1. PRODUCT AND COMPANY IDENTIFICATI	ON			
1. PRODUCT AND COMPANY IDENTIFICATION Product Name	UN : MOLYGREEN PERFECT 10	0W-60 SN		
Product Code	: 50-E-118	00 50		
Recommended Use	: Engine oil			
Identification of the supplier	: CHUGAI YUKAGAKU KOGYO	Co., Ltd.		
Address		-City, Saitama Pref. JAPAN		
Phone number	: +81-48-924-5211	., .		
Facsimile number	: +81-48-924-5212			
Emergency telephone number	: +81-48-929-0051			
2. Hazards identification				
GHS CLASSIFICATION PHYSICAL/CHEMICAL HAZARDS	: Not classified			
HISICAL/CHEMICAL HAZARDS HEALTH HAZARDS	: Not classified			
ENVIRONMENTAL HAZARDS	: Not classified			
GHS LABELING	. Not classified			
Precautionary pictograms	: Not applicable			
Signal word	: Not applicable			
Hazard Statement	: Not applicable			
Precautionary Statements				
Prevention	: Not applicable			
Response	: Not applicable			
Storage	: Not applicable			
Disposal	: Not applicable			
💥 Even when there is no mentionin	g in the above instructi	ions by GHS classification ple	ase consider sufficiently to	
prevention /response/storage/disp	0			
3. Composition/information on ingre				
Substance/Mixture	: Mixture	1 11 1 4 1 1 • . •		
The name of a chemical substance	: <u>Mixture of lubricant</u> : Ingredients	base oils and Additives Cas No.	Concentration (mass%)	
Ingredients and Concentration	Polvalphaolefin	151006-63-2	65-75	
	Polymer Ester	non-disclosure	3-13	
	Fatty acid Ester	non-disclosure	2-8	
	Additives	(Mixture)	12-22	
Chemical formula	: nonidentifiable			
Hazardous substances				
Poisonous and Deleterious Substa		: Not Regulated		
Pollutant Release and Transfer R Japan Industrial Safety and	egister (PRIR) : Ingredients	: Not Regulated Cabinet Order No.	Concentration (mass%)	
Health Act	Mineral oil	Article 18, 1, Attached	3-8	
nearth het	millerar off	table 9-168 of Cabinet	5 0	
		order (Labeling, etc)		
	Molybdenum and	Article 18, 1, Attached	0.4-0.8	
	its compounds	table 9-603 of Cabinet	(as Molybdenum	
		order(Labeling, etc)	:0.018-0.036)	
4. First-aid measures				
Inhalation	1 Remove victim to free	h air and keen at rest in a no	sition comfortable for breathing.	
matation			. If you feel unwell, seek medical	
	advice.	Talificop to heep warm and quite	. II jou looi annoil, been mealear	
Skin Contact	1 Immediately take off	the polluted clothes and flush	skin with large amounts of water	
	and soapy water.			
	2 Wash contaminated clo			
Eye Contact		er carefully for several minute		
		if present and if removal is at a minimum and seek medical		
Ingestion		at a minimum and seek medical		
ingestion		he mouth is polluted, it's wash		
5. Fire-fighting measures				
Extinguishing Media	-	l, dry chemicals, carbon dioxid	e, fire foam, and dry sand are	
	effective.		1	
Extinguishing Media to Avoid	0	of water can cause a risk of	spreading fire.	
Specific hazards arising Peculiar fire extinguishing method		e, may release irritant gases.		
recurrar rife extinguishing method		urce in fife. urrounding facilities for cooli	ng.	
			e of fire and the surroundings.	
Precautions for fire fighters		ward direction while wearing pr		
-	with skin is expected	l, wear impervious protective e	quipment and gloves.	
	2 Use air-breathing app	paratus and protective clothing	whenever necessary.	
C Assidents 1 1				
6. Accidental release measures	. Woor protective are	mont when working		
Personal precautions Environmental precautions	: Wear protective equip 1 Prevent spreading of	oil spill with earth and sand,	sandbags, or other proper	
productions		e not to allow the oil spill t		
	systems, and rivers.		,±	

Methods and materials for containment and cleaning up Prevention of second accident	<ul> <li>2 At sea, install oil spill containment booms to prevent spr absorb with absorption mat or other proper materials.</li> <li>1 Make a person evacuate from a dangerous area.</li> <li>2 Stretch a rope and prohibit person's entering around the of 3 In case of spillage in small quantity, collect spillage by sand, sawdust, waste, or other proper materials.</li> <li>4 In case of spillage in large quantity, enclose with embank of spillage and collect spillage in empty containers to th</li> <li>1 In case of spillage, immediately inform the organizations to prevent possible accidents and spreading of spillage.</li> <li>2 Remove nearby potential ignition sources immediately and m agents available.</li> <li>3 Remove spillage completely, and ventilate and clean the si</li> </ul>	dangerous area. 7 absorbing with earth, 8 ment to prevent spreading 10 ne extent possible. 10 concerned of the spillage 11 nake fire-extinguishing
7. Handling and storage		
Handling		
Technical measures	<ol> <li>Keep away from any possible contact with sparks, open flam materials, and do not allow release of vapor without justi</li> <li>Use personal protective equipment as required.</li> <li>Use pumps or other proper equipment for taking out from co with your mouth using a tube. Do not drink.</li> <li>When mist is generated, use respiratory equipment to preve</li> </ol>	ification. ontainers. Do not siphon
Ventilation/Exhaust measure	<ol> <li>Maintain adequate ventilation when handling indoors.</li> <li>In case of vapor/mist dispersion, install a closed system, and/or other proper equipment for the sources of vapor/mis</li> </ol>	local ventilation system,
Precautions	<ol> <li>Wash hands and face thoroughly after handling.</li> <li>Wear protective gloves when opening containers to eliminat</li> <li>Avoid rough handling of containers such as falling, droppi and dragging.</li> </ol>	te a risk of hand injury.
Storage		
Storage Conditions	<ol> <li>Store in a well ventilated, cool, dry, dark place, protect</li> <li>Avoid every kind of potential ignition sources and high-te</li> <li>Keep containers tightly closed after use to prevent possib dust and moisture.</li> </ol>	emperature materials.
Precautions	<ol> <li>Avoid contact and storage in the same place with Halogens, and Oxidizers.</li> <li>Enpty containers may contain combustible product residues. drill, cut or perform similar operations unless they have be</li> </ol>	Do not weld, solder,
8. Exposure controls and personal	protection	
Engineering controls	<ol> <li>In case of mist generation, enclose the source of mist gen ventilation system.</li> <li>Install eye cleaning and body cleaning equipment near the</li> </ol>	
Control parameters	: None established Assessment Criteria of Working Environment (Ministry of Labor, Notification No.79 in 27-Mar-95)	
Threshould Limit Values	<ol> <li>Time Weighted Average 3mg/m<sup>3</sup> (Mineral Oil Mist) (Japan Society for Occupational Health /2010 year editional Health /2010 year editional Content of the second seco</li></ol>	ons)
Protective Equipment	(HOGIN / BOTO JOHI CHICIONS)	
Respiratory Protection	: Not needed under normal conditions, but wear a gas mask (a whenever required.	
Hand protection Eye protection	: In case of prolonged or repeated exposure, wear oil-resist : In case of exposure to splashes, wear ordinary type goggle	
Skin Protection	: In case of handling over a prolonged period of time or in	
Hygiene Measures	wear oil-resistant, long-sleeved work clothing. 1 Take off contaminated clothing and wash thoroughly before 2 Wash hands thoroughly after handling.	-
9. Physical and chemical propertie	98	
Appearances		
Physical state	: Liquid	
Form Color	: Viscous fluid : Clear brown	
Odor Odor	: Clear brown : Slight odor	
Density (at 15 C)	1.511 g/cm <sup>3</sup> JIS K	2249
Flash Point	: 264 °C JIS K	2265-4 (COC)
Viscosity (at 40°C)	: 154 mm <sup>2</sup> /s JIS K	
(at 100°C)	$: 22 \qquad \text{mm}^2/\text{s} \qquad \text{JIS K}$	
Pour Point: Upper/lower flammability or expl		2269
Solubility	: Explosion Limit (1-7%) : Water/insoluble	
10. Stability and reactivity		
	: Stable when stored or preserved in a dark place at room te	

Chemical stability: Stable when stored or preserved in a dark place at room temperature.Possibility of hazardous reactions : Keep away from any possible contact with strong oxidizing agents.<br/>Conditions to avoid1 Contact with incompatible hazard substances.

Hazardoni decomposition products : When burnt, may release carbon monoxide and other gases. Total obtained information is based on a safety data sheet of each ingredient? (Marcolarised information is based on a safety data sheet of each ingredient? (Marcolarised information is based on a safety data sheet of each ingredient? (Marcolarised information is based on data of a similar chemical structure. Acute toxicity(demal) Acute toxicity(femal) Acute toxicity(is every low. This data is based on data of a similar chemical structure. Acute toxicity(is every low. This data is based on data of a similar chemical structure. Appration hazard The toxicity is very low. This data is based on data of a similar chemical structure. This data is based on data of a similar chemical structure. This data is based on data of a similar chemical structure. This data is based on data of a similar chemical structure. This data is based on data of a similar chemical structure. This data is based on data of a similar chemical structure. There is a fear that heur pleasant feeling which is short the 's slightness is This data is based on data of a similar chemical structure. There is a fear that heur pleasant feeling which is short the 's slightness is The data is based on data of a similar chemical structure. There is a fear that heur pleasant feeling which is a barder dor to cause it under the usual conditions for use according to a study at a laboratory by a substance of the important of the important is to its development of the important in the safe of the a staff of a caute toxicity based on available data. Acute toxicity (Brand) Kontooin/Irritation Kontooin/	Incompatible materials	2 Prolonged heating, open flames, and ignition sources : Use care to keep away from any possible contact with halogens, strong acids, alkalis, and Oxidizers.
(The obtained information is based on a safety data sheet of each inpredict) For sitters, heaved actionary we identified based on the classification criteria for mitures. For sitters, heaved actionary we identified based on the classification criteria for situres. Addite toxicly (cont) : LBSO: 2 you may Larget 1. The toxicity is very low. This data is based on data of a similar chemical structure. Auto toxicly (dermal) : LBSO: 2 you may Larget 1. The toxicity is very low. This data is based on data of a similar chemical structure. Assistantion hasard : The toxicity is very low. Clar room temperature) Assistantion hasard : The toxicity is very low. Clar room temperature? Skin corrosion/irritation : There is a four that the unpleasant feeling which is short ins's alightness is assistantion the safety is based on data of a similar chemical structure. Serious eye damge/irritation : There is a four that the unpleasant feeling which is abort ins's alightness is assistant on eyes. Serious eye damge/irritation : There is a based on data of a similar chemical structure. Serious eye damge/irritation : There is a based on data of a similar chemical structure. Serious eye damge/irritation : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified for acute toxicity based on available data. Acute toxicity (Data Lioo) : Not classified as a primary skin irritant. Exemption hand acute toxicity (Single cuposure) Seriois eye heampe/Eye : Not data available Germ consent that for a lioo (Data available Acute toxicity (Chemical Cuposure) Acute toxicity (Chemical Cuposure) Serie turget orean toxicity (Copectal acuted acuted acuted as a pri	Hazardous decomposition products	
Product Tor mixture, heard category was identified based on the classification criteria for mixtures. IncredinatorObjathaloiding Active toricity(orm) Active toricity(orm) Active toricity(orm) Active toricity(orm) Active toricity(orm) Active toricity(orm) Active toricity(finalation) : L000 m2/Ag(rst) The toricity is very low. This duta is based on data of a similar chemical structure. Active toricity(finalation) : L000 db/2000 m2/Ag(rst) The toricity is very low. Active toricity(finalation) : L000 db/2000 m2/Ag(rst) The toricity is very low. Active toricity(finalation) : L000 db/2000 m2/Ag(rst) The toricity is very low. This duta is based on data of a similar chemical structure. Serious ere damage/irritation : There is a form that the undensant follong which is abbratory by a substance of This data is based on data of a similar chemical structure. : Practically Nome Chronic toricity : There is a form that the undensant follong which is abbratory by a substance of the usal conditions for accu conclusion to a study at a laboratory by a substance of : Practically Nome Chronic toricity : Not determined Chronic toricity is not toricity the usal conditions for accuse it under the usal conditions for accuse toricity based on available data. Active toricity (Inhalation) : Not classified for accute toricity based on available data. Active toricity(Inhalation) : Not classified for accute toricity based on available data. Active toricity(Inhalation) : Not classified for accute toricity based on available data. Active toricity(Inhalation) : Not classified for accute toricity based on available data. Active toricity(Inhalation) : Not classified for accute toricity based on available data. Active toricity(Inhalation) : Not data sailable : Not datermined : Not determined : Not	1. Toxicological information	
For mitures, hazard category was identified based on the classification oriteria for mitures.           Interdistication publication           Acute toxicity(oral)           Acute toxicity(oran)           This data is based on data of a similar chemical structure.           Assistion           Stin corression/irritation           This data is based on data of a similar chemical structure.           Stin corression/irritation           This data is based on data of a similar chemical structure.           Cherroit toxicity           The isolations for use necording to a study at a laboratory by a substance of resemined.           Cherroit toxicity           The isolations for use necording to a study at a laboratory by a substance of resemined.           Cherroit toxicity (Chern)           The isolation of a study at a laboratory by a substance of resemined.           Margenist(Y)           The isolation of a study at a laboratory by a substance of resemined.           Margenisty           Not determine		ed on a safety data sheet of each ingredient)
Aute toxicity(orm1)         : LB0:≥ 2000 mg/kg[rst] The toxicity is very low.           Acute toxicity(dermal)         : D0:≥ 2000 mg/kg[rst] The toxicity is very low.           Acute toxicity(dermal)         : D0:≥ 2000 mg/kg[rst] The toxicity is very low.           Acute toxicity(Inholation)         : D0:≥ 2000 mg/kg[rst]. The toxicity is very low.           Ashvation basard         : The toxicity is very low.           Ashvation basard         : The toxicity is very low.           Skin corroadom/irritation         : The toxicity is very low.           Skin corroadom/irritation         : The toxicity is very low.           Serious eye damago/irritation         : The toxicity is very low.           Serious eye damago/irritation         : The toxicity is very low.           Serious eye damago/irritation         : The toxicity is very low.           Carcingerity         : Not deburnand           Carcingerity         : Not deburnand           Carcingerity         : Not deburnand           The toxicity (Down1)         : Not classified for acute toxicity based on available data.           Acute toxicity(Down1)         : Not classified for acute toxicity mass on available data.           Acute toxicity(Down1)         : Not classified for acute toxicity mass on available data.           Acute toxicity(Down1)         : Not classified for acute toxicity mass on available data.		as identified based on the classification criteria for mixtures.
Aduet oxicity (Inhalation) Aduet oxicity (Inhalation) Aduet oxicity (Inhalation) Aduet oxicity (Inhalation) Applration hazard The toxicity is very low. Aduet oxicity (Inhalation) Applration hazard The toxicity is very low. (In room temperature) This data is hazed on data of a similar cheanical structure. Skin corrosion/Irritation The toxicity is very low. (In room temperature) This data is hazed on data of a similar cheanical structure. Skin corrosion/Irritation The toxicity is very low. (In room temperature) This data is hazed on data of a similar cheanical structure. Serious eye demage/Irritation The is data is hazed on data of a similar cheanical structure. Serious eye demage/Irritation The is data is hazed on data of a similar cheanical structure. Serious eye demage/Irritation The is data is hazed on data of a similar cheanical structure. Serious eye demage/Irritation The is dotted is is demained on data of a similar cheanical structure. Serious eye demage/Irritation The is dotted is is demained in the unal conditions for use according to a study at a laboratory by a substance of Mategoricity Active toxicity Active toxicity Active toxicity (Inhalation) Active toxicity (Inhalation) Active toxicity (Inhalation) Skin corrosion/Irritation Skin corrosion hazard Acute toxicity (Inhalation)	Ingredients(Polyalphaolefin)	
Acute toxicity (demul)       10.05:2: 2000 mg/kg[rml] The toxicity is very low.         Acute toxicity (Inhalaton)       11.550(M) 54000 mg/kg. (011 mint) The toxicity is very low.         Assistation hazard       11.550(M) 54000 mg/kg. (011 mint) The toxicity is very low.         Assistation hazard       11.550(M) 54000 mg/kg. (011 mint) The toxicity is very low.         Skin corrosion/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Scious cyce damge/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Scious cyce damge/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Scious cyce damge/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Scious cyce damge/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Scious cyce damge/Irritation       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 54000 mg/kg. (111 mint) The toxicity is very low.         Matusonicity       11.550(M) 5400 mg/kg. (111 mint) 5400	Acute toxicity(oral)	
Acute taxiely (Indulation) Acute taxiely (Indulation) LC50(40) 5000 ag/mS (01) mixt) The toxicity is very low. This data is based on data of a similar chemical structure. The toxicity is very on data (In som Incrementure) The toxicity is very on data of a similar chemical structure. Stin corrector/irritation This data is based on data of a similar chemical structure. Scious very damage/irritation This data is based on data of a similar chemical structure. Scious very damage/irritation This data is based on data of a similar chemical structure. Difference of eyes. This data is based on data of a similar chemical structure. Currence of eyes. This data is based on data of a similar chemical structure. Difference of eyes. This data is based on data of a similar chemical structure. Currence of eyes. This data is based on data of a similar chemical structure. Currence of eyes. This data is based on data of a similar chemical structure. Currence of eyes. This data is based on data of a similar chemical structure. The important influence on healt his identical or is certisated not to cause it under the important influence on healt his identical or is certisated not to cause it under the important is to determined Currence based? Tertatogeneis based? Sorius by Damage based on data of a similar chemical structure. Structure to take the important influence to take the on available data. Acute toxicity (Denal lation) Structures the one of the one could based on available data. Acute toxicity (Denal lation) Structures the could be a primery eye irritant. Tructure Tertation is most itazian No data available Cerm coll matagenicity is do data available Cerm coll matagenicity is do data available Cerm coll matagenicity is do data available Acute toxicity (and exist) Sto dotermined Structure toxicity (Indul 1) Acute toxicity (Indul 1) Acute toxicity (Indul 2) Acute toxicity (Indul	Acute toxicity(dermal)	
This data is based on data of a similar chemical structure. Aspiration based Skin corrosion/iritiation The toxicity is very location of a similar chemical structure. Serious eye demse/iritation Serious eye demse/iritation The toxicity is very location of a similar chemical structure. Serious eye demse/iritation Serious eye demse/iritation Carcinogenicity The important influence to health is identical or is estimated not to cause it under the sami conditions for sea excerding to a study at a laboratory by a substance of Carcinogenicity The data is hased on data of a similar chemical attructure. Practical conditions for sea excerding to a study at a laboratory by a substance of Tortogeneous Sci determined Dareddents(Volymer Seree) Aste toxicity (Drahl in the classified for acute toxicity hased on available data. Aste toxicity (Drahl in the classified for acute toxicity hased on available data. Aste toxicity (Drahl in the classified as a primary skin irritant. Serious Eye Demse/Eye Serious Eye Demse/Eye Serious Eye Demse/Eye Serious Eye Demse/Eye Serious Eye Demse/Eye Serious Eye Demse/Eye Serious Eye Demse/Eye So data available Serious Eye Demse/Eye So data available Serious Eye Demse/Eye Serious Eye Demse/Eye So data available Serious Eye De		
Assiriation heard       : The toxicity is very low. (In room temperature) This data is heard on data of a similar chemical structure.         Skin corrosion/irritation       : The toxicity is very low. (In room temperature) This data is heard on data of a similar chemical structure.         Serious eye damage/irritation       : There is a fear that the unpleasant feeling which is short time's slightness is the toxicity         Sumitization       : The important influence to health is idontical or is estimated not to cause it under the usual conditions for use according to a study at a laboratory by a substance of creamblance.         Mutagenicity       : Not dotramined Incredient XO/INF       : Not dotramined Incredient XO/INF         Incredient XO/INF Chemical Tectoscenesis       : Not dotramined Incredient XO/INF       : Not dotramined Incredient XO/INF         Acute toxicity (Dermit)       : Not classified for usute toxicity based on available data. Acute toxicity (Dermit)       : Not classified for usute toxicity based on available data. Acute toxicity (Dermit)         Shin Corrosin/Irritation       : No data available Shin corrosin/Irritation       : No data available Corresponder to toxicity         Shin corrosin/Irritation       : No data available Shin sensitization       : No data available Corresponder to toxicity         Specific target organ toxicity (Bingle exposure) : No data available       : No data available Corresponder to toxicity         Acute toxicity (Chall)       : No data available Specific target organ toxicity (Single exposure) : No data available Corresponde	Acute toxicity(Inhalation)	
Skin corrosion/irritation       This data is based on data of a similar chemical structure.         Serious eye damage/irritation       The idsoft is based on data of a similar chemical structure.         Sensitization       The idsoft is based on data of a similar chemical structure.         Caronic toxicity       The important influence to health is identical or is estimated not to cause it under three solutions for use according to a study at a laboratory by a substance of resemblance.         Mutagenicity       Not applicable (IARC,NPF, Japan Society for Occupational Health)         Reproductive (volcit)       Not determined         Acute toxicity (Oran)       Not classified for acute toxicity based on available data.         Acute toxicity (Intellation)       Not classified for acute toxicity based on available data.         Acute toxicity (Intellation)       Not classified for acute toxicity based on available data.         Acute toxicity (Intellation)       Not classified for acute toxicity based on available data.         Strineers (Son/Irritation)       Not classified for acute toxicity based on available data.         Strineers (Son/Irritation)       No data available         Strineers (Son/Irritation)       No data available         Carcinogonicity       No data available         Carcinogonicity       No data available         Carcinogonicity       No data available         Strineers (Son/Irritation)       No da	Aspiration hazard	
Serious ery dansge/iritation Serious ery dansge/iritation Sensitization Chronic toticity Longertem toticity Matagenicity Reproductive toticity Actuate toticity Home provide toticity Actuate toticity A		
Serious eye damage/irritation : There is a fear that the unpleasant feeling which is short time's slightness is asserted on eyes. This data is based on data of a similar chemical structure. Practically None : Practically None : Practically None : Practically None : Practically None : Carcinogenicity : Not determined the usual conditions for use according to a study at a laboratory by a substance of the usual conditions for use according to a study at a laboratory by a substance of the usual conditions for use according to a study at a laboratory by a substance of the usual conditions for use according to a study at a laboratory by a substance of the usual conditions for use according to a variable data. Mutagenicity : Not determined to acute toxicity based on available data. Acute toxicity (Cranl) : Not classified for acute toxicity based on available data. Acute toxicity (Cranl) : Not classified for acute toxicity based on available data. Shin corrosion/Irritation : Not classified for acute toxicity based on available data. Shin corrosion/Irritation : No data available Germ cell mutagenicity : No data available Germ cell mutagenicity : No data available Garcinogenicity : No data available Carcinogenicity : No data available Carcinogenicity : No data available Carcinogenicity (Repeated exposure) : No data available Sheeific target organ toxicity (Repeated exposure) : No data available She corrosion/Irritation : No determined Not determined She corrosion/Irritation : Not determined She corrosion/Irritation : Not determined She corrosion/Irritation : Not determined Reportative (Const) : LD50 > 2000mg/kg bw(ref) (DECD 401:Polyeauter) Acute toxicity (Conral) : Not determined She corrosion/Irritation : Not determined Reportative toxicity : Not determined Reportat	Skin corrosion/irritation	
service on eves.         This data is based on data of a similar chemical structure.           Sensitization         This data is based on data of a similar chemical structure.           Chronic toxicity         The important influence to health is identical or is estimated not to cause it under transmitter toxicity           Managonicity         The important influence to health is identical or is estimated not to cause it under transmitter toxicity           Managonicity         The important influence to health is identical or is estimated not to cause it under transmitter toxicity           Market toxicity         The important influence to health is identical or is estimated not to cause it under transmitter toxicity based on available data.           Acute toxicity (Derme Ester)         Tot classified for acute toxicity based on available data.           Acute toxicity (Derma)         Tot classified for acute toxicity based on available data.           Acute toxicity (Derma)         Tot classified for acute toxicity based on available data.           Acute toxicity (Derma)         Tot classified for acute toxicity based on available data.           Serious Eve Damage/Eye         Remarks: Not classified as a primary eye irritant.           I'ritation         The data available           Garcinogenicity         To data available           Garcinogenicity         No data available           Specific target orgon toxicity         (Bata available           Remarks: Not cla	Serious eve damage/irritation	
Sensitization         : Practically None           Chronic toricity         : The important influence to health is identical or is estimated not to cause it under Long-term toxicity           Matagenicity         : Not determined           Carcinogenicity         : Not determined           Reproductive toxicity         : Not determined           Incredingenicity         : Not determined           Acute toxicity (Dran)         : Not classified for acute toxicity based on available data.           Acute toxicity (Drand)         : Not classified for acute toxicity based on available data.           Acute toxicity (Drand)         : Not classified as a primary of an available data.           Acute toxicity (Drand)         : Not classified as a primary of initiat.           Serious Exp Damage/Exp         : Remarks: Not classified as a primary or irritant.           Irritation         : No data available           Serious Exp Damage/Exp         : No data available           Carcinogenicity         : No data available           Specific target organ toxicity (Repeated exposure)         : No data available           Aspiration bazard         : No data available           Aspiratio	Serious eye damage/iiiitation	
Chronic toxicity       : The important influence to health is identical or is estimated not to cause it under resemblance.         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Mardenicity       : Not determined         Imredients(Follower Ester)       : Not determined         Auteronicity (Inhalian)       : Not classified for acute toxicity based on available data.         Acute toxicity (Inhalian)       : Not classified for acute toxicity based on available data.         Skin Corrosion/Irritation       : When being long or touching repeatedly, a stimulus sometimes forms.         Respiratory sensitization       : No data available         Garcingenicity       : No data available         Specific target organ toxicity (Single capsure)       : No data available         Acute toxicity(dermal)       : No data available         Acute toxicity dermal       : No data available         Appredictity formal       : No data available         Acute toxicity dermal       : No data available         Appredictity formal       : Not determined         Appredint Appredint A		
Long-term toxicity       the usual conditions for use according to a study at a laboratory by a substance of resemblance.         Matagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Acute toxicity (Oral)       : Not classified for acute toxicity based on available data.         Acute toxicity (Durmal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Durmal)       : Not classified for acute toxicity based on available data.         Skin Corrosion/Irritation       : Ment being long or toxching repeatedly, a stimulus sometimes forms.         Respiratory sensitization       : No data available         Skin corrosion/Irritation       : No data available         Skin sonsitization       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Aspiration hazard       : No data available         Reproductive toxicity       : No data available         Aspiration hazard       : No data available         Reproductive toxicity (Single exposure)       : No data available         Aspiration hazard       : No data available         Reproductive toxicity (Single exposure)       : Not data available         Skin corrosion/Irritation       : Not data available		
matagenicity       : Not determined         Carcinogenicity       : Not applicable (LARC, NTP, Japan Society for Occupational Health)         Reproductive toxicity       : Not determined         Impredients(Polymer Ester)       : Not classified for acute toxicity based on available data.         Acute toxicity (Ormal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Dermal)       : Not classified for acute toxicity based on available data.         Skin Corrosion/Irritation       : When being loag or touching repeatedly, a stimulus sometimes forms.         Respiratory sensitization       : No data available         Skin Corrosy sensitization       : No data available         Skin Corrosy applicative toxicity       : No data available         Serious Exp Damage/Exp       : Remarks: Not classified as a primary skin irritant.         Respiratory sensitization       : No data available         Shein Grow applicative toxicity       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Specific target organ toxicity (Gata available       : No data available         Ingredients(Patty acid ester)       : No data available         Acute toxicity(Inhalation)       : LD50 2000mg/kg bw(rat) (0ECD 401:Polyesuter)         Acute toxicity (Inhalation)       : Not determined		
Carcingenicity       : Not applicable (LARC, NTP, Japan Society for Occupational Health)         Reproductive toxicity       : Not determined         Ingredicts(Polymor Esco)       : Not classified for acute toxicity based on available data.         Acute toxicity (Oral)       : Not classified for acute toxicity based on available data.         Acute toxicity (Dermal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Dermal)       : Not classified as a primary skin irritent.         Respiratory sensitization       : No data available         Skin Corrosy sensitization       : No data available         Garcinogenicity       : No data available         Garcinogenicity       : No data available         Skin corrosign toxicity (Garge det exposure)       : No data available         Garcinogenicity       : No data available         Specific target organ toxicity (Garge det exposure)       : No data available         Acute toxicity(ormal)       : Dio 20200mg/kg bw(rat) (OECD 401:Polyesuter)         Acute toxicity(formal)       : Not determined         Nordata available       : Not determined         Respirator sensitization       : Not determined         Reground: toxicity(ormal)       : Dio 20200mg/kg bw(rat) (OECD 403:Reed accros from Supporting substance)         Skin corrosion/irritation       : Not determined	Long torm toxicity	
Reproductive toxicity       : Not determined         Ingredients (Polymer Ester)       : Not classified for acute toxicity based on available data.         Acute toxicity (Ormal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Dermal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Inhalation)       : Not classified as a primary skin irritant.         Skin corrosion/Irritation       : No data available         Skin sensitization       : No data available         Carcinogenity       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Acute toxicity(Germal)       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Acute toxicity(Germal)       : No data available         Reproductive toxicity(Germal)       : No data available         Reproductive toxicity(Germal)       : No data available         Acute toxicity(Germal)       : No data available         Reproductive toxicity       : No data available         Reproductive toxicity       : Not determined         Acute toxicity(Germal)       : Not determined         Mare toxicity(Germal)       :		
Teratogenesis in the second se		
<pre>Impredients(Polymer Ester) Acute toxicity (Oral) : Not classified for acute toxicity based on available data. Acute toxicity (Opermal) : Not classified for acute toxicity based on available data. Acute toxicity (Inhalation) : Not classified for acute toxicity based on available data. Skin Corrosion/Irritation : When being long or touching repeatedly, a stimulus sometimes forms.</pre>		
Acute toxicity (Dermal)       : Not classified for acute toxicity based on available data.         Acute toxicity (Inhalation)       : Not classified as a primary skin irritant.         Skin Corrosion/Irritation       : When being long or touching repeatedly, a stimulus sometimes forms.         Benarks: Not classified as a primary skin irritant.       : Remarks: Not classified as a primary skin irritant.         Irritation       : No data available         Skin sensitization       : No data available         Garcinogenicity       : No data available         Garcinogenicity       : No data available         Specific target organ toxicity (Ringle exposure)       : No data available         Specific target organ toxicity (Ringle exposure)       : No data available         Acute toxicity(oral)       : Do data available         Acute toxicity(oral)       : Do data available         Ingredients(Fatty acid ester)       : No data available         Acute toxicity(oral)       : Do Do 2000mg/kg bw(rat) (OECD 401:Polyesuter)         Acute toxicity(oral)       : Do Do 2000mg/kg bw(rat) (OECD 403:Reed accros from Supporting substance)         Skin sensitization       : Not determined         Ski	Ingredients(Polymer Ester)	
Acute toxicity(Inhalation)       : Not classified for acute toxicity based on available data.         Skin Corrosion/Irritation       : When being long or toxiching repeatedby, a stimulus sometimes forms. : Remarks: Not classified as a primary skin irritant.         Irritation       : Remarks: Not classified as a primary skin irritant.         Respiratory sensitization       : No data available         Skin sensitization       : No data available         Garcinogenicity       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Acute toxicity(clarmal)       : No data available         Acute toxicity(clarmal)       : No data available         Respirator hazard       : No data available         Acute toxicity(clarmal)       : LD50 >2000mg/kg bw(rat) (DECD 401:Polyesuter)         Acute toxicity(clarmal)       : LD50 >2000mg/kg bw(rat) (DECD 403:Reed accros from Supporting substance)         Skin corrosion/irritation       : Not determined         Serious eye damage/irritation       : Not determined         Serious eye damage/irritation       : Not determined         Respiratory sensitization       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxic		
Skin Corrosion/Irritation: When being long or touching repeatedly, a stimulus sometimes forms. : Remarks: Not classified as a primary skin irritant.Serious Eye Damage/Eye: Remarks: Not classified as a primary skin irritant.Irritation: No data availableSkin sensitization: No data availableGerm cell mutagenicity: No data availableReproductive toxicity: No data availableSpecific target organ toxicity(Single exposure) : No data availableSpecific target organ toxicity: No data availableSpecific target organ toxicity: No data availableAspiration hazard: No data availableImpredients(Fatty acid ester): No data availableAcute toxicity(oral): No data availableAcute toxicity(dremal): No deta availableSkin corrosion/irritation: Not determinedSkin sensitization: Not determinedSkin sensitization: Not determinedSkin sensitization: Not determinedSpecific target organ toxicity (Single exposure) : Not determinedSkin sensitization: Not determinedSkin sensitization: Not determinedSpecific target organ toxicity (Single exposure) : Not determined <td></td> <td></td>		
Serious Eye Damage/Eye       : Remarks: Not classified as a primary eye irritant.         Irritation       : No data available         Skin sensitization       : No data available         Germ cell mutagenicity       : No data available         Germ cell mutagenicity       : No data available         Reproductive toxicity       : No data available         Reproductive toxicity       : No data available         Specific target organ toxicity       : No data available         Specific target organ toxicity       : No data available         Aspiration hazard       : No data available         Impredients/Gatty acid ester)       : No data available         Acute toxicity(oral)       : No data available         Acute toxicity(dermal)       : Not determined         Acute toxicity(dermal)       : Not determined         Skin considictive toxicity       : Not determined         Mutagenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       : Not determined		
Irritation       : No data available         Skin sensitization       : No data available         Germ cell mutagenicity       : No data available         Garcinogenicity       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Specific target organ toxicity (Repeated exposure)       : No data available         Aspiration hazard       : No data available         Ingredients(Fatty acid ester)       : No data available         Acute toxicity (dermal)       : No tdetermined         Acute toxicity(Inhalation)       : LD50 >2000mg/kg bw(rat) (OECD 401;Polyesuter)         Acute toxicity(Inhalation)       : No determined         Skin sensitization       : Not determined         Skin sensitization       : Not determined         Skin sensitization       : Not determined         Repiratory sensitization       : Not determined         Repoductive toxicity       : Not determined         Skin sensitization       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Single exposure)       : Not determ		
Respiratory sensitization       : No data available         Skin sensitization       : No data available         Germ cell mutagenicity       : No data available         Carcinogenicity       : No data available         Reproductive toxicity       : No data available         Specific target organ toxicity       : No data available         Specific target organ toxicity       : No data available         Aspiration hazard       : No data available         Aspiration hazard       : No data available         Acute toxicity(cral)       : LD50 >2000mg/kg bw(rat) (0ECD 401:Polyesuter)         Acute toxicity(dermal)       : Not determined         Acute toxicity(dermal)       : Not determined         Skin corrosion/irritation       : Not determined         Skin sensitization       : Not determined         Skin sensitization       : Not determined         Mutagenicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity       : No		: Remarks: Not classified as a primary eye irritant.
Skin sensitization       : No data available         Germ cell mutagenicity       : No data available         Reproductive toxicity       : No data available         Specific target organ toxicity (Single exposure)       : No data available         Specific target organ toxicity (Repeated exposure)       : No data available         Aspiration hazard       : No data available         Aspiration hazard       : No data available         Acute toxicity (argan toxicity (Repeated exposure)       : No data available         Acute toxicity(dermal)       : DSD >2000mg/kg bw(rat) (OECD 401:Polyesuter)         Acute toxicity(dermal)       : Not determined         Acute toxicity(dermal)       : Not determined         Skin sensitization       : Not determined         Skin sensitization       : Not determined         Skin sensitization       : Not determined         Gercinogenicity       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined		: No data available
Carcinogenicity: No data availableReproductive toxicity: No data availableSpecific target organ toxicity(Single exposure) : No data availableSpecific target organ toxicity(Repeated exposure) : No data availableAspiration hazard: No data availableAcute toxicity(oral): LD50 >2000mg/kg bw(rat) (0ECD 401:Polyesuter) Acute toxicity(Inhalation)Acute toxicity(Inhalation): Not determined : NoneRespiratory sensitization: Not determined : Not determined MutagenicityReproductive toxicity: Not determined : Specific target organ toxicitySpecific target organ toxicity: Not determined : Not determin		
Reproductive toxicity       : No data available         Specific target organ toxicity       (Single exposure)         : No data available         Specific target organ toxicity       (Repeated exposure)         : No data available         Aspiration hazard       : No data available         Ingredient:[Catty acid ester]         Acute toxicity(camal)       : LD50 >2000mg/kg bw(rat) (OECD 401:Polyesuter)         Acute toxicity(dermal)       : Not determined         Acute toxicity(dermal)       : No data available         Skin corrosion/irritation       : None         Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Reproductive toxicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Long chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Specific target organ toxicity (Single exposure)         Specific target organ toxicity (Repeated exposure)         Specific target organ toxicity (Repeated exposure)         Aspiration hazard       : No data available         Aspiration hazard       : No data available         Acute toxicity(oral)       : LD50 22000mg/kg bw(rat) (0ECD 401:Polyesuter)         Acute toxicity(Inhalation)       : LC50(4h) >5. lmg/l(rat) (0ECD 403:Reed accros from Supporting substance)         Skin corrosion/irritation       : Not determined         Skin sensitization       : Not determined         Mutagenicity       : Not determined         Mutagenicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         (long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Specific target organ toxicity       (Repeated exposure)         Aspiration hazard       : No data available         Ingredients(Fatty acid ester)       : LD50 >2000mg/kg bw(rat) (0ECD 401;Polyesuter)         Acute toxicity(oral)       : LD50 >2000mg/kg bw(rat) (0ECD 403;Reed accros from Supporting substance)         Skin corrosion/irritation       : Not determined         Serious eye damage/irritation       : Not determined         Respiratory sensitization       : Not determined         Mutagencity       : Not determined         Carcinogenicity       : Not determined         Specific target organ toxicity       : Not determined         Ingredient (Additives)       : Not determined         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Aspiration hazard       : No data available         Ingredients(Fatty acid ester)       : No data available         Acute toxicity(oral)       : LD50 >2000mg/kg bw(rat) (OECD 401;Polyesuter)         Acute toxicity(Inhalation)       : LC50(4h) >5. lmg/l(rat) (OECD 403;Reed accros from Supporting substance)         Skin corrosion/irritation       : None         Respiratory sensitization       : Not determined         Acute toxicity (Repeated exposure)       : Not determined         Skin sensitization       : Not determined         Garcinogenicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         specific target organ toxicity       : Not determined         Ingredient (Additives)       : Not determined         Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Aspiration hazard: No data availableIngredients(Fatty acid ester): LD50 >2000mg/kg bw(rat) (OECD 401;Polyesuter)Acute toxicity(dermal): Not determinedAcute toxicity(Inhalation): LC50(4h) >5. lmg/l(rat) (OECD 403;Reed accros from Supporting substance)Skin corrosion/irritation: NoneSerious eye damage/irritation: Not determinedMutagenicity: Not determinedMutagenicity: Not determinedCarcinogenicity: Not determinedSpecific target organ toxicity (Single exposure): Not determinedSpecific target organ toxicity: Not determinedSpecific target organ toxicity: Not determinedImgredient (Additives): LD50 mat: > 0, om g/kg(Long-chain arcarylamine/The content in the product : 0, 1- <1, 2 %)	Specific target organ toxicity	
Ingredients(Fatty acid ester)         Acute toxicity(oral)       : LD50 > 2000mg/kg bw(rat) (0ECD 401;Polyesuter)         Acute toxicity(demal)       : Not determined         Acute toxicity(demal)       : LD50 > 1mg/1(rat) (0ECD 403;Reed accros from Supporting substance)         Skin corrosion/irritation       : None         Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       (Repeated exposure)         : Not determined       : Not determined         Specific target organ toxicity       (Repeated exposure)         : Not determined       : Not determined         spiration hazard       : Not determined         Ingredient (Additives)       : Not determined         (Long-chain arcarylamine/The content in the product : 0.1 - <1.2 %)	Aspiration hazard	
Acute toxicity(dermal)       : Not determined         Acute toxicity(Inhalation)       : LC50(4h) >5.1mg/1(rat) (0ECD 403:Reed accros from Supporting substance)         Skin corrosion/irritation       : None         Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       (Bepated exposure)         : Not determined       : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)       (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)	Ingredients(Fatty acid ester)	
Acute toxicity (Inhalation)       : LC50 (4h) >5. lmg/l (rat) (OECD 403;Reed accros from Supporting substance)         Skin corrosion/irritation       : None         Serious eye damage/irritation       : None         Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Carcinogenicity       : Not determined         Report toxicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Acute oral toxicity       : Not determined         Acute oral toxicity       : LD50 Rat: > 5,000 mg/kg         Method: OECD Test Guideline 401       Test substance: Read-across (Analogy)         Remarks: Based on available data, the classification criteria are not met.         Acute dermal toxicity       : LD50 Rat: > 2,000 mg/kg         Method: OECD Test Guideline 402       Test substance: Read-across (Analogy)         Remarks: Based on available data, the classification criteria are not met.         Acute inhalation toxicity       : LD50 Rat: > 2,000 mg/kg         Method: OECD Test Guideline 402       Test substance: Read-across (Analogy)         Remarks: Based on available data, the classification criteria are not met.         Acute inhalation toxicity       : study scientif		
Skin corrosion/irritation       : None         Serious eye damage/irritation       : None         Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity       (Repeated exposure)         : Not determined         Specific target organ toxicity       (Repeated exposure)         : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Respiratory sensitization       : Not determined         Skin sensitization       : Not determined         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)       (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Skin sensitization       : Not determined         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)       : Not determined         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)	Serious eye damage/irritation	: None
Skin sensitization       : Not determined         Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)       : Not determined         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)	Respiratory sensitization	· Not determined
Mutagenicity       : Not determined         Carcinogenicity       : Not determined         Reproductive toxicity       : Not determined         Specific target organ toxicity (Single exposure)       : Not determined         Specific target organ toxicity (Repeated exposure)       : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)       (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
Reproductive toxicity       : Not determined         Specific target organ toxicity       (Single exposure)         : Not determined         Specific target organ toxicity       (Repeated exposure)         : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)	Mutagenicity	
Specific target organ toxicity (Single exposure)         : Not determined         Specific target organ toxicity (Repeated exposure)         : Not determined         Aspiration hazard       : Not determined         Ingredient (Additives)         (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		
: Not determined Specific target organ toxicity (Repeated exposure) : Not determined Aspiration hazard : Not determined Ingredient (Additives) (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %) Acute oral toxicity : LD50 Rat: > 5,000 mg/kg Method: OECD Test Guideline 401 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met. Acute dermal toxicity : LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met. Acute inhalation toxicity : study scientifically unjustified Skin corrosion/irritation : Species: Rabbit	-	
Aspiration hazard: Not determinedIngredient (Additives): Not determined(Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)		: Not determined
Aspiration hazard: Not determinedIngredient (Additives): LD50 Rat: > 5,000 mg/kg(Long-chain arcarylamine/The content in the product : 0.1- <1.2 %)	Specific target organ toxicity	
Ingredient (Additives) (Long-chain arcarylamine/The content in the product : 0.1- <1.2 %) Acute oral toxicity : LD50 Rat: > 5,000 mg/kg Method: OECD Test Guideline 401 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met. Acute dermal toxicity : LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met. Acute inhalation toxicity : study scientifically unjustified Skin corrosion/irritation : Species: Rabbit	Aspiration bazard	
Acute oral toxicity: LD50 Rat: > 5,000 mg/kg Method: OECD Test Guideline 401 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute dermal toxicity: LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity: study scientifically unjustified : Species: Rabbit	Ingredient (Additives)	
Method: OECD Test Guideline 401 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute dermal toxicity: LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity Skin corrosion/irritation: study scientifically unjustified : Species: Rabbit	(Long-chain arcarylamine/The cont	
Acute dermal toxicityTest substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute dermal toxicity: LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity Skin corrosion/irritation: study scientifically unjustified : Species: Rabbit	Acute oral toxicity	
Acute dermal toxicityRemarks: Based on available data, the classification criteria are not met.Acute dermal toxicity: LD50 Rat: > 2,000 mg/kg Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity Skin corrosion/irritation: study scientifically unjustified : Species: Rabbit		
Method: OECD Test Guideline 402 Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity Skin corrosion/irritation: study scientifically unjustified : Species: Rabbit		
Test substance: Read-across (Analogy) Remarks: Based on available data, the classification criteria are not met.Acute inhalation toxicity Skin corrosion/irritation: study scientifically unjustified : Species: Rabbit	Acute dermal toxicity	
Acute inhalation toxicity Skin corrosion/irritationRemarks: Based on available data, the classification criteria are not met. : study scientifically unjustified : Species: Rabbit		
Acute inhalation toxicity: study scientifically unjustifiedSkin corrosion/irritation: Species: Rabbit		
		: study scientifically unjustified
Result. NO SKIN ITTILATION	Skin corrosion/irritation	
		Result. NO SKIN ITTILUTON

Serious eye damage/eye irritation	Method: OECD Test Guideline 404 Test substance:yes : Species: Rabbit Result: No eye irritation Method: OECD Test Guideline 405 Test substance: yes Based on available data, the classification criteria are not met.
Respiratory or skin sensitisation	: Test Method: Maximisation Test Species: Guinea pig Result: Does not cause skin sensitisation. Method: OECD Test Guideline 406 Test substance: Read-across (Analogy) Based on available data, the classification criteria are not met.
Germ cell mutagenicity	
Genotoxicity in vitro	: Result: negative Test substance: Read-across (Analogy) Based on available data, the classification criteria are not met.
Genotoxicity in vivo	: Test species: MouseTest substance: Read-across (Analogy) Result: negativeBased on available data, the classification criteria are not met.
Carcinogenicity Reproductive toxicity	: study scientifically unjustified : Test substance: Read-across (Analogy) Based on available data, the classification criteria are not met.
(Zinc alkyl dithiophosphateate)/The Acute oral toxicity	<pre>content in the product : 0.1- &lt;1.2 %) : LD50 Rat, male: 2,600 mg/kg Method: Tested according to Annex V of Directive 67/548/EEC. Test substance: yes GLP: yes Remarks: May be harmful if swallowed.</pre>
Acute dermal toxicity	: LD50 Rabbit, male and female: > 3,160 mg/kg Method: OECD Test Guideline 402 Test substance: yes Remarks: Based on available data, the classification criteria are not met.
Acute inhalation toxicity	<pre>kemarks: based on available data, the classification criteria are not met. : LC50 Rat, male: &gt; 2 mg/l Exposure time: 1 h Method: OECD Test Guideline 403 Test substance: Read-across (Analogy) GLP: no Remarks: Based on available data, the classification criteria are not met.</pre>
Skin corrosion/irritation	: Species: Guinea pig Exposure time: 4 h Result: Causes skin irritation. Method: OECD Test Guideline 404 Test substance:Read-across (Analogy) Specific concentration limits : Skin Irrit. 2 H315 >= 6.25 -100%.
Serious eye damage/eye irritation	: Species: Rabbit Exposure time: 504 h Result: Causes serious eye damage. Method: 16 CFR 1500.42 Test substance: Read-across (Analogy)
Carcinogenicity (Molybdenum polysulphide long chair Skin corrosion/irritation	No data available alkyl dithiocarbamate complex/The content in the product: <0.13 %) Exposure time: 4 h Result: Skin irritation Method: OECD Test Guideline 404 Test substance:yes Causes skin irritation.
Respiratory or skin sensitisation	: Test Method: Maximisation Test (GPMT) Classification: May cause sensitisation by skin contact. Result: Causes sensitisation. Method: Maximisation Test (GPMT) Test substance: yes May cause an allergic skin reaction.

**12. Ecological information** (The obtained information is based on a safety data sheet of each ingredient) ProductFor mixtures, hazard category was identified based on the classification criteria for mixtures. Ingredients(Polyalphaolefin) : It isn't estimated by hydrobios to be harmful. Ecotoxicity Bioaccumulative potential : It's predicted that there is biodegradablility essentially. Mobility : There is no useful information. Other adverse effect : Important influence and toxicity aren't reported. Ingredients(Polymer Ester) Ecotoxicity : No data available : No data available Biodegradation : No data available : No data available Bioaccumulative potential Mobility Other adverse effect : No data available

Ingredients(Fatty acid ester)	
Ecotoxicity	: EL(50) >100mg/L (daphnia) (OECD 202) LL50(96h) >10,000mg/L(fish) (OECD 203) : 72% (OECD 301B,degradation;28days)
Biodegradation Bioaccumulative potential	: There is no useful information.
Mobility	: There is no useful information.
Other adverse effect	: There is no useful information.
Ingredient (Additives)	: There is no useful information.
	ant in the product : 0.1- <1.2 %)
Toxicity to fish	: LC50 (Danio rerio (zebra fish)): > 100 mg/l Exposure time: 96 h
	Test Method: static test Test substance: Read-across (Analogy)
	Method: OECD Test Guideline 203
Toxicity to daphnia and	Based on available data, the classification criteria are not met. : EC50 (Daphnia magna (Water flea)): > 100 mg/l
other aquatic invertebrates	Exposure time: 48 h
	Test Method: static test
	Test substance: yes Method: OECD Test Guideline 202
	Based on available data, the classification criteria are not met.
Toxicity to algae	: EC50 (Desmodesmus subspicatus (green algae)): > 100 mg/l
	Exposure time: 72 h Test Method: static test
	Test substance: Read-across (Analogy)
	Method: OECD Test Guideline 201
Persistence and degradability	Based on available data, the classification criteria are not met.
Biodegradability	: aerobic
	activated sludge
	Result: Not biodegradable Biodegradation: 1 %
	Exposure time: 28 d
	Test substance: Read-across (Analogy) According to the granults of tests of high-modelility this product is not prodile
	According to the results of tests of biodegradability this product is not readily biodegradable.
Bioaccumulative potential	: Accumulation in aquatic organisms is expected.
Webilite in seil	Partition coefficient: noctanol/water log Pow: > 7.6
Mobility in soil Results of PBT and vPvB	: After release, adsorbs onto soil. : This substance is not considered to be persistent,bioaccumulating and toxic (PBT).,
assessment	This substance is not considered to be very persistent and very bioaccumulating (vPvB).
	e content in the product : 0.1- <1.2 %)
Ecotoxicity Toxicity to fish	: LC50 (Oncorhynchus mykiss (rainbow trout)): 4.5 mg/l
	Exposure time: 96 h Test Method: semi-static test
	Analytical monitoring: no
	Test substance: Read-across (Analogy)
	Method: OECD Test Guideline 203
	GLP: yes Toxic to aquatic life.
Toxicity to daphnia and	: EL50 (Daphnia magna (Water flea)): 5.4 mg/l
other aquatic invertebrates	Exposure time: 48 h Test Method: static test
	Analytical monitoring: yes
	Test substance: Read-across (Analogy)
	Method: OECD Test Guideline 202 GLP: yes
	Toxic to aquatic life.
Toxicity to algae	: EbC50 (Selenastrum capricornutum (green algae)): 2.1 mg/l
	Exposure time: 96 h Test Method: static test
	Analytical monitoring: yes
	Test substance: Read-across (Analogy)
	Method: OECD Test Guideline 201 GLP: yes
	Toxic to aquatic life.
Persistence and degradability Biodegradability	: aerobic
Diodegrauaullity	activated sludge
	Concentration: 10 mg/l
	Result: Not readily biodegradable. Biodegradation: 1.5 %
	Exposure time: 28 d
	Method: OECD Test Guideline 301B
	Test substance: yes GLP: yes

	According to the results of tests of biodegradability this product is not readily
	biodegradable.
Bioaccumulative potential	: Due to the distribution coefficient n-octanol/water, accumulation in organisms is not expected.
Mobility in soil	Partition coefficient: noctanol/water log Pow: 0.9 at 23 ° C : After release, adsorbs onto soil.
Results of PBT and vPvB	: This substance is not considered to be persistent, bioaccumulating and toxic (PBT).,
assessment (Molybdenum polysulphide long chair Ecotoxicity	This substance is not considered to be very persistent and very bioaccumulating (vPvB). n alkyl dithiocarbamate complex/The content in the product : <0.13 %)
Toxicity to fish	: NOEC (Oncorhynchus mykiss (rainbow trout)): 94.8 mg/l Exposure time: 96 h
	Test Method: semi-static test
	Test substance: Read-across (Analogy) Method: OECD Test Guideline 203
Toxicity to daphnia and	: EL50 (Daphnia magna (Water flea)): 50 mg/l
other aquatic invertebrates	Exposure time: 48 h Test Method: static test
	Test substance: yes Method: OECD Test Guideline 202
	Harmful to aquatic life.
Toxicity to algae	: EbC50 (Pseudokirchneriella subcapitata (green algae)): 9.62 mg/l
	Exposure time: 72 h Test Method: Growth inhibition
	Test substance: Read-across (Analogy)
Toxicity to bacteria	Method: OECD Test Guideline 201 : IC50 : > 100 mg/l
Toxicity to bacteria	Exposure time: 3 h
	Test Method: Respiration inhibition Test substance: Read-across (Analogy)
Toxicity to daphnia and	: NOEC: 100 mg/l
other aquatic invertebrates (Chronic toxicity)	Exposure time: 21 d Species: Daphnia magna (Water flea) Test substance: yes
Persistence and degradability	
Biodegradability	: aerobic activated sludge
	Result: Not readily biodegradable. Biodegradation: 22.75 %
	Exposure time: 29 d
	Method: OECD Test Guideline 301 Test substance: Read-across (Analogy)
	According to the results of tests of biodegradability this product is not readily
Bioaccumulative potential	biodegradable. : Species: Cyprinus carpio (Carp)
	Temperature: 25 ° C Concentration: 0.05 mg/l
	Bioconcentration factor (BCF): 88
	Test substance: Read-across (Analogy) Method: OECD Test Guideline 305
	Accumulation in aquatic organisms is unlikely.
Mobility in soil Results of PBT and vPvB	: After release, adsorbs onto soil. : This substance is not considered to be persistent, bioaccumulating and toxic (PBT).,
assessment	This substance is not considered to be very persistent and very bioaccumulating (vPvB).
3. Disposal considerations Disposal methods	1 Dispose of contents/container in accordance with local/regional/national/
	international regulations.
	2 Don't throw away. 3 Every customer/user of the product should dispose of industrial waste on its own
	responsibility, otherwise it must rely on a company authorized by prefectural governor for treating industrial waste or a local public body involved in the
	disposal of industrial waste for proper disposal.
	4 Before disposal of used container, remove contents completely.
14. Transport information	N
UN classification LAND - Precautionary Transportation	: Not applicable n Measures & Conditions
	: Do not co-load together with dangerous substances categorized in Fire Cat. 1 and/or 6, and/or High Pressure Gases.
NOTE: Comply with applicable law SEA (IMDG)	vs and regulations. Not Regulated for Sea Transport according to IMDG-Code
Marine Pollutant	: No
AIR (IATA) Specific security precaution and co	: Not Regulated for Air Transport Indition of transportation
specific scenicy precaution and co	: Transport containers without causing any significant friction or shaking.
15. Regulatory information	

National Laws and Regulations	
Fire Service Law	: Category 4, Flammable Liquids, Class III (#4 Petroleum)
Industrial Safety and Health Act	: Notified Substances
Pollutant Release and Transfer	: Not Regulated
Register (PRTR)	
Water Pollution Contro Act	: Regulations on emissions
Sewerage Act	: Regulations on emissions
Marine Pollution Prevention Low	: Regulations on emissions
Waste Management and Pablic	: Industrial waste treatment regulation
Cleaning Law	

### 16. Other information (references)

Globally Harmonized System of Classification and Labelling of Chemicals(GHS) (2013 year editions) The National Institute of Technology and Evaluation (NITE) /GHS relevant information Japan Personnel management & Safety information /GHS relevant information The others; Additionally the information a literature search gave.

We would like every customer/user of the product to refer to the information and understand the necessity of taking appropriate measures for the actual handling conditions on their own responsibilities for optimum practical application of the product of interest.

Consequently, the Safety Data Sheet is not intended to guarantee the safety of the product referenced to herein.