



Part I
SAFETY DATA SHEET
ATF DCT

Dated December 13, 2014 and numbered 29204, "Ministry of Environment and Urbanization Regarding Hazardous Substances and Mixtures
It has been arranged in accordance with the provisions of the "Regulation on Safety Data Sheets".

PART 1: Identity of the substance / mixture and company / distributor

1.1. Substance / Mixture identity

Name of the product ATF DCT
Item number 12212

1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses

Transmission oil.

Uses not recommended This product can be used without the recommendation of the supplier in advance.

It should not be used outside of applications. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. This product has been designed for automotive applications only, and no provision has been made for aerospace application requirements.

1.3. Information of the supplier of the safety data sheet Contact

person Customer Service: mineiyag@petrolofisi.com.tr
Producer PETROL OFİSİ A.Ş.
Ünalın Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar / İstanbul Tel: +90 850 339 1919
Fax: +90 216 275 3854
miningiyag@petrolofisi.com.tr

1.4. Emergency phone number

Emergency phone number Mineral Oil Customer Service: 0850 339 1919 (office hours)
National emergency phone Emergency Health Services: 112 National Poison Information Center (UZEM): 114

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification TC 28848

Physical damages Not classified as harmful
Health hazards Not classified as harmful
Environmental damages Not classified as harmful

2.2. Label elements

Hazard Statements EUH208 Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, 2-Ethylhexyl methacrylate. May cause an allergic reaction.

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Precautionary statements

P273 Avoid release to the environment.
P501 Dispose of contents / container in accordance with national regulations. P401 Store in accordance with national regulations.
P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves / protective clothing / eye protection / face protection. P301 + P312 IF SWALLOWED: If you feel unwell, call 114 THE NATIONAL POISON ADVICE CENTER or a doctor / physician.

2.3. Other damages

SECTION 3: Composition / information on ingredients

3.2. Mixtures

Distillates (petroleum), hydrogen treated heavy paraffinic base oil	60-80%	
CAS number: 64742-54-7	EC number: 265-157-1	REACH registration number: 012119484627-25-0065
Classification	Asp. Full. 1- H304	
Paraffin oils	10-20%	
CAS number: -	Mineral oil in this material can be identified by one or more of the following CAS Numbers: 6474254-7, 64742-65-0, 64742-55-8 and 64742-56-9.	
Classification	Asp. Full. 1- H304	
bis (nonylphenyl) amine	1-5%	
CAS number: 36878-20-3	EC number: 253-249-4	
Classification	Aquatic Chronic 4- H413	
Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tertnonanethiol	1-5%	
CAS number: 91648-65-6	EC number: 293-927-7	
Classification	Aquatic Chronic 3 - H412	

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Ethanol, 2,2-iminobis-, N-tallow alkyl derivatives	<1%
CAS number: 1218787-32-6	EC number: 620-540-6
M factor (acute) = 10	
Classification Acute Tox. 4- H302 Skin Corr. 1C- H314 Eye Dam. 1- H318 Aquatic Acute 1- H400 Aquatic Chronic 2- H411	

The full text of the hazard statements is given in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Emergency first aid is mandatory. Seek medical help immediately. Bring the exposed person to fresh air and keep them warm and at rest in a position where they can breathe comfortably.
Breathing	Move the exposed person to fresh air and keep them warm and at rest in a position where they can breathe comfortably. Seek medical help. Artificial respiration and / or oxygen may be required.
Swallowing	Rinse mouth thoroughly with water. Remove any dentures. Provide fresh air, warmth and, if possible, sit comfortably upright and rest. If the material has been swallowed and the victim is conscious, give small amounts of water to drink. Stop vomiting if the victim feels unwell, as vomiting can be dangerous. If vomiting occurs, the head should be kept low so that the vomit does not enter the lungs. If symptoms are severe or persistent, seek medical attention. Never give anything by mouth to an unconscious person. If the victim is unconscious, place in a rescue position and seek immediate medical attention. Keep the airways clear. Loosen tight parts of clothing such as a collar, tie or belt.
Skin contact	If any discomfort occurs, seek medical advice immediately. Take off contaminated clothing and wash before reuse. In case of contact, the skin should be washed with plenty of water for at least 15 minutes.
Eye contact	Flush eyes immediately with plenty of water for at least 15 minutes. Open and close the eyelids occasionally during the washing process.
First aid workers preservation	First aid personnel should wear appropriate protective equipment during rescue. Performing mouth-to-mouth respiration can be dangerous for first aid personnel.

4.2. Most important symptoms and effects, both acute and delayed General

information	See Section 11 for additional information on health hazards.
Breathing	There are no specific symptoms known.
Swallowing	There are no specific symptoms known.
Skin contact	There are no specific symptoms known.

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Eye contact There are no specific symptoms known.

4.3. Indication of any immediate medical attention and special treatment needed

Information to be given to the doctor The effect of decomposition products that may be released during fire may be delayed. The exposed person may need to be under medical observation for 48 hours.

Special treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Fire extinguishers

Suitable extinguishing agents Use a suitable extinguishing agent to extinguish the fire. Using water jet may be

Unsuitable extinguisher substances inconvenient.

5.2. Special hazards arising from the substance or mixture

Harmful combustion products Carbon dioxide (CO₂). Carbon monoxide (CO). Hydrogen sulfide (H₂S). Metal oxide (s). Nitrogen oxides. Phosphorus oxides.

5.3. Advice for firefighters

During fire fighting preservative to be taken measures Clear the area. Without proper training or in any action involving personal danger should not be found.

For firefighters Positive pressure self-contained breathing apparatus and suitable protective clothing

special protective equipment get dressed.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Make sure procedures and emergency training for on-site cleaning and disposal are in place. Be aware that floors and other surfaces can be slippery in case of spillage.

Emergency personnel for those who are not Necessary precautions should be taken so that personnel who do not have proper training do not interfere.

For emergency responders Stop the source of the leak if it can be done without risk. Limit the spill to prevent further contamination of the soil, surface or underground water. Clean up the spilled material as soon as possible, following the precautions in the Exposure Controls / Personal Protection section. Use non-flammable absorbent materials or appropriate techniques such as pumping. Whenever possible or see fit, dig out the contaminated soil from the area. Place contaminated items in disposable containers and dispose of them in accordance with regulations. In the event of a spill of heated substance, allow it to cool before handling by disposal methods.

6.2. Environmental measures

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Environmental measures Apply appropriate protective measures to prevent spilled material from entering water sources, drains, drains, soil. The product contains a substance that is very toxic to aquatic organisms. The release of large quantities to nature may cause environmental pollution. The environmental authority must be notified for all significant spills. If the product reaches the water or sewage system, inform the relevant authorities.

6.3. Methods and materials for containment and cleaning

Spill removal methods Provide adequate ventilation. Remove all sources of flame from the environment. Small
For spills: Stop leak if not at risk. Remove sources of leak from area. Absorb with inert dry material and place in a suitable waste disposal container. Dispose through a licensed waste disposal contractor. Large spills: Stop leak if not at risk. Remove sources of leak from area. Approach with the wind behind you. Prevent from entering drains, water sources, basements or confined areas. Wash the spillage in a waste water treatment plant or proceed as follows. Collect spills with non-flammable, absorbent material and store in packaging according to legal regulations. Dispose of via a licensed waste disposer. Contaminated absorbent material may present hazard similar to spilled product. Inform authorities in case of large spillages.

6.4. Reference to other sections

Reference to other sections See Section 1 for emergency contact information. For personal protection see section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Do not swallow. It should not be flushed with the mouth. Avoid contact with skin, eyes and clothing. Do not breathe dust or mist. Avoid release to the environment. Keep only in the original packaging or in an alternative packaging that has been approved to be compatible with the material, keep containers closed when not in use. Product residues left in emptied containers can be dangerous. Do not reuse empty containers.

Advice on general occupational hygiene Avoid breathing the vapor / mist of the product. Proper ventilation should be provided in the areas where the product is used. Do not eat, drink or smoke anything while using this product. Eye wash units and emergency shower facilities should be available when working with this product. Wash contaminated skin thoroughly after handling. Take off immediately all contaminated clothing and wash before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Good personal hygiene procedures should be followed.

7.2. Conditions for safe storage, including any incompatibilities

Storage measures Store in accordance with local regulations. Keep only in the original container in a cool, well-ventilated place. Protect from freezing and direct sunlight. Keep away from incompatible materials (see Chapter 10). Containers that have been opened must be handled carefully and kept upright to prevent leakage. Do not store in unlabeled containers. Store in a way that prevents release to the environment.

Storage class Not applicable.

7.3. Specific end use (s)

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Specific end use (s) The identified uses for this product are detailed in Section 1.2. It should be used as specified in the
Directions for use product data sheet.

SECTION 8: Exposure Controls / personal protection

8.1. Control parameters

Occupational exposure limits

Base Oil- respirable fraction: TWA: 5 mg / m³ (Source: US. ACGIH Threshold Limit Values (02 2012)) Distillates (petroleum)
hydrotreated heavy paraffinic: EU OEL (Europe) TWA: 5 mg / m³, 8 hours.
Distillates (petroleum) solvent-dewaxed heavy paraffinic: EU OEL (Europe) TWA: 5 mg / m³, 8 hours / STEL: 10 mg / m³, 15 minutes.

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

There is no suitable information.

DNEL

64742-54-7 Distillates (petroleum), hydrotreated heavy paraffinic DNEL: 2.7 (8h) mg / m³
(long term inhalation working systemic) DNEL: 5.4 (8h) mg / m³ (long term inhalation
working local) DNEL : 1.2 (24h) mg / m³ (long term inhalation consumer local) DNEL:
0.74 (24h) mg / kg / day (long term oral consumer systemic) DNEL: 1.0 (8h) mg / kg (long
term inhalation consumer local) period dermal working systemic)

Distillates (petroleum), hydrogen treated heavy paraffinic base oil (CAS: 64742-54-7)

Content notes	There is no suitable information.
Biological limit values	There is no suitable information.
DNEL	Staff - Breathing; Long term systemic effects: 2.7 (8h) mg / m ³ Workers - Inhalation; Long term local effects: 5.4 (8h) mg / m ³ Consumer - Inhalation; Long term local effects: 1,2 (24h) mg / m ³ Consumer - Oral; Long term systemic effects: 0.74 (24h) mg / kg / day Workers - Dermal; Long term systemic effects: 1.0 (8h) mg / kg
DMEL	There is no suitable information.
PNEC	There is no suitable information.

8.2. Exposure controls Protective

equipment



Proper engineering controls

Since the product contains components with exposure limits; If dust, smoke, gases, vapors or mists are generated during use, the process area, local exhaust ventilation or other technical controls should be applied to keep worker exposure below legal or recommended limits. There should be adequate general ventilation to control workers' exposure to air pollution.

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Personal protection	Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers. Keep away from foodstuffs, food and drink. Instantly remove contaminated and impregnated clothing. Wash hands during breaks and after work. Store protective equipment separately.
Eye / Face protection	Under normal conditions, eye protection equipment is not required. Wear goggles with side lenses for safe work when there is a risk of splash. If this material is heated, use chemical goggles, goggles or a face shield. (EN 166)
Hand protection	Protective gloves: Nitrile gloves should have a minimum thickness of 0.4 mm and the expected contact time is 480 minutes, depending on the frequency of contact during use. or less. This information does not replace conformity tests performed by the end user. Because the protection of the glove may vary depending on the usage conditions of the product. Follow good industrial hygiene rules.
Other skin and body protection	Avoid contact with skin. Personal protective equipment for the body should be selected depending on the work being done and this risk, and approved by a specialist before using this product.
Health measures	Good personal hygiene procedures should be followed. Wash hands thoroughly after handling. Take off contaminated clothing and wash before reuse. Remove contaminated clothing and protective equipment before entering eating areas. Eye wash units and emergency shower facilities should be available when working with this product.
Respiratory system preservation	If there is potential to exceed exposure limits, wear appropriate respiratory protection. Select respirator according to suitability to ensure adequate worker safety for given working conditions and airborne contaminant level. Seek professional advice prior to gas mask selection and use.
Thermal damages	If there is danger of contact with hot product, all protective equipment suitable for use with high temperatures should be used. All personal protective equipment should be suitable for use at low temperatures if there is a risk of contact with refrigerated products.
Environmental exposure controls	Compliance of ventilation emissions and work process equipment with environmental protection legislation requirements should be checked. In some cases, technical changes to fume cleaners, filters or process equipment are required to reduce emissions to acceptable levels. Store in a confined area with a bund to prevent leakage into drains and / or water sources. Containers should be kept tightly sealed when not in use.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties Appearance

	Clear liquid.
Color	Brownish.
Smell	Odorless or very light like petroleum oil
Odor threshold	Insufficient data.
pH	Scientifically unjustified.
Melting point / freezing point	= - 42 ° C

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Initial boiling point and Insufficient data.

boiling range

Flash point ~ 218 ° C Cleveland open cup.

Evaporation rate Insufficient data.

Evaporation factor Insufficient data.

Flammability (solid, gas) Insufficient data.

**Upper / Lower flammability or
explosive limits** Insufficient data.

Other flammability Insufficient data.

Vapor pressure Insufficient data.

Vapor density Insufficient data.

Relative density Insufficient data.

Volumetric density ~ 0.85 g / ml

Resolution (s) Insufficient data.

Partition coefficient Insufficient data.

**Self ignition
temperature** Insufficient data.

Decomposition temperature Insufficient data.

Viscosity > 25 cSt @ 40 ° C

Explosive properties It is not considered explosive. No data

**Explosive under the influence
of flame** available.

Oxidizing properties Not known.

9.2. Other informations

Other informations Required information is not available.

Refractive index Insufficient data.

Particle size Insufficient data.

Molecular weight Insufficient data.

Volatility Insufficient data.

Saturation concentration Insufficient data.

Critical temperature Insufficient data.

Volatile organic compound Insufficient data.

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SECTION 10: Stability and reactivity

10.1. Reaction

Reaction There is no specific test data on the available reactivity of this product or its ingredients.

10.2. Chemical stability

Stability This substance is considered stable under normal environmental conditions and under the prescribed storage and handling conditions.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Hazardous reaction will not occur under normal conditions of storage and use.

10.4. Conditions to avoid

Conditions to avoid Avoid exposure to high heat or direct sunlight. Heat, flame and other
Avoid sources of ignition.

10.5. Incompatible materials Materials to avoid Strong oxidizing agents. Strong reducing agents. Strong acids.

10.6. Hazardous decomposition products

Hazardous decomposition products Smoke, carbon monoxide, carbon dioxide, irritating vapors and other incomplete combustion products may be released as a result of thermal decomposition or combustion. Sulfur oxides Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Toxic

effects The information given is based on the data of the components and similar products.

Other health effects There is no suitable information.

Acute toxicity - oral Summary

Based on available data, the classification criteria are not met. Based on

Notes (oral LD₅₀) available data, the classification criteria are not met.

Acute toxicity - dermal Summary

Based on available data, the classification criteria are not met. Based on

Notes (dermal LD₅₀) available data, the classification criteria are not met.

Acute toxicity - inhalation

Summary Based on available data, the classification criteria are not met. Based on

Notes (inhalation LC₅₀) available data, the classification criteria are not met.

Skin corrosion / irritation

Summary Based on available data, the classification criteria are not met. May cause
Skin corrosion / irritation sensitization or allergic reactions.

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Animal data	There is no suitable information.
Human skin model test Extreme	There is no suitable information.
pH	There is no suitable information.
Serious eye damage / irritation	
Summary	Based on available data, the classification criteria are not met. May cause
Serious eye damage / irritation	sensitization or allergic reactions.
Respiratory sensitization	
Summary	Based on available data, the classification criteria are not met. Based on
Respiratory tract sensitization	available data, the classification criteria are not met.
Skin sensitization	
Summary	Based on available data, the classification criteria are not met.
Skin sensitization	May cause sensitization or allergic reactions in sensitive individuals.
Germ cell mutagenicity	
Summary	Based on available data, the classification criteria are not met. Based on
Genotoxicity - in vitro	available data, the classification criteria are not met. Based on available data,
Genotoxicity - in vivo	the classification criteria are not met.
Carcinogenicity	
Summary	Based on available data, the classification criteria are not met. There is no specific
Carcinogenicity	test data available.
Target for carcinogenicity organs	There are no known specific target organs.
Reproductive toxicity	
Summary	Based on available data, the classification criteria are not met. There is no specific
Reproductive system toxicity fertility	test data available.
Reproductive system toxicity developmental	Required information is not available.
Specific target organ toxicity - single exposure Summary	
	Based on available data, the classification criteria are not met.
BHOT- single exposure	There is no specific test data available.
Target organs	There are no known specific target organs.
Specific target organ toxicity - repeated exposure Summary	
	Based on available data, the classification criteria are not met.

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BHOT- repeated exposure Target organs	There is no specific test data available. There are no known specific target organs.
Aspiration hazard	
Summary	Based on available data, the classification criteria are not met. May be fatal if swallowed
Aspiration hazard	and if it enters the respiratory tract.
Toxicokinetics	Required information is not available.
General information	The information given is based on the data of the components and similar products. May be
Breathing	harmful if inhaled.
Swallowing	Aspiration hazard if swallowed.
Contact with skin	May cause sensitization or allergic reactions in sensitive individuals. May cause
Eye contact	sensitization or allergic reactions in sensitive individuals.
Acute and chronic health hazards	There is not enough data.
Contact ways	Ingestion Inhalation Skin and / or eye contact.
Target organs	There are no known specific target organs.
Medical symptoms	There is not enough information.
Medical opinions	There is not enough information.

Toxicological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Toxic effects	The information given is based on the data of the components and similar products. Required information
Other health effects	is not available.
<u>Acute toxicity - oral Summary</u>	
	Based on available data, the classification criteria are not met. LD ₅₀ > 5000
Notes (oral LD₅₀)	(OECD 401) / API 1982a mg / kg, Oral, Rat
<u>Acute toxicity - dermal Summary</u>	
	Based on available data, the classification criteria are not met. LD ₅₀ > 5000
Notes (dermal LD₅₀)	(OECD 402) / API 1982a mg / kg, Dermal, Rabbit
<u>Acute toxicity - inhalation</u>	
Summary	Based on available data, the classification criteria are not met.
Notes (inhalation LC₅₀)	LC50, 4h 5.53 (OECD 403) / Exxon Biomedical Sciences, Inc. (1988a) mg / l, Inhalation, Rat

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Skin corrosion / irritation

Summary Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Skin corrosion / irritation available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Animal data the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Human skin model test classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Excessive pH criteria are not met.

Serious eye damage / irritation

Summary Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Serious eye damage / irritation available data, the classification criteria are not met.

Respiratory sensitization

Summary Based on available data, the classification criteria are not met.

Respiratory tract sensitization Based on available data, the classification criteria are not met.

Skin sensitization

Summary Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Skin sensitization available data, the classification criteria are not met.

Germ cell mutagenicity

Summary Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Genotoxicity - in vitro available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Genotoxicity - in vivo the classification criteria are not met.

Carcinogenicity

Summary Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met. Based on available data, the classification criteria are not met.

Carcinogenicity available data, the classification criteria are not met. There are no known specific target organs.

Target for carcinogenicity organs specific target organs.

IARC carcinogenicity Not listed.

NTP carcinogenicity Not listed.

Reproductive toxicity

Summary Based on available data, the classification criteria are not met.

Reproductive system toxicity fertility Based on available data, the classification criteria are not met.

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Reproductive system toxicity Based on available data, the classification criteria are not met.
developmental

Specific target organ toxicity - single exposure Summary

Based on available data, the classification criteria are not met.

BHOT- single exposure Based on available data, the classification criteria are not met.

Target organs There are no known specific target organs.

Specific target organ toxicity - repeated exposure Summary

Based on available data, the classification criteria are not met.

BHOT- repeated exposure stay Based on available data, the classification criteria are not met.

Target organs There are no known specific target organs.

Aspiration hazard

Summary In case of inhalation, slight irritation of the respiratory tract may occur. Fatal if it enters
Aspiration hazard the respiratory tract and is swallowed.

Toxicokinetics Required information is not available.

General information Required information is not available.

Breathing Required information is not available.

Swallowing Required information is not available.

Contact with skin Required information is not available.

Eye contact Required information is not available.

Acute and chronic health hazards Required information is not available.

Contact ways Required information is not available.

Target organs There are no known specific target organs. Required

Medical symptoms information is not available.

Medical opinions Required information is not available.

Paraffin oils

Skin sensitization

Skin sensitization Classification: Not allergic to skin. (Cross-reading) (Supplier information)

Specific target organ toxicity - single exposure

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BHOT- single exposure If the material is misted or vapors are generated by heating, exposure may cause irritation to mucous membranes and upper respiratory tract. (Supplier information)

Aspiration hazard

Aspiration hazard Material may cause aspiration in the lungs during the swallowing or vomiting process. (Supplier information)

bis (nonylphenyl) amine

Germ cell mutagenicity

Genotoxicity - in vitro This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier information)

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

Germ cell mutagenicity

Genotoxicity - in vitro This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier information)

Reaction products of fatty acids, with C14-C18 (branched and linear) and tetraethylenepentamine (linear, branched, cyclic)

C18 (unsaturated)

Serious eye damage / irritation

Serious eye damage / irritation Considered irritating to eyes. Measured Rabbit Supplier information.

Skin sensitization

Skin sensitization Classification: Not allergic to skin. Measured Supplier information.

C14-18 alpha-olefin epoxide, reaction products with boric acid

Skin sensitization

Skin sensitization Skin Sensitive. 1B- H317

2-Ethylhexyl methacrylate

Serious eye damage / irritation

Serious eye damage / irritation Causes eye irritation.

Skin sensitization

Skin sensitization Skin Sensitive. 1B- H317

Germ cell mutagenicity

Genotoxicity - in vitro This material did not show mutagenic or genotoxic potential in laboratory tests. (Supplier information)

Specific target organ toxicity - single exposure Target

organs Respiratory system, lung.

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Ethanol, 2,2-iminobis-, N-tallow alkyl derivatives

Acute toxicity - oral ATE

oral (mg / kg) 500,0

Serious eye damage / irritation

Serious eye damage / irritation It is considered to be corrosive to the eyes. Cross-reading data. Rabbit Supplier information.

Skin sensitization

Skin sensitization Classification: Not allergic to skin. (Cross-reading) (Supplier information)

Germ cell mutagenicity

Genotoxicity - in vitro Negative. Supplier information.

Specific target organ toxicity - single exposure

BHOT- single exposure If the material is misted or vapors are generated by heating, exposure may cause irritation to mucous membranes and upper respiratory tract. (Supplier information)

SECTION 12: Ecological information

Ecotoxicity Based on available data, the classification criteria are not met.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Ecotoxicity Based on available data, the classification criteria are not met.

12.1. Toxicity

Toxicity Based on available data, the classification criteria are not met.

Acute aquatic toxicity

Summary Based on available data, the classification criteria are not met. Based on

Acute toxicity - fish available data, the classification criteria are not met. Based on available data,

Acute toxicity - aquatic invertebrates the classification criteria are not met.

Acute toxicity - aquatic plants Based on available data, the classification criteria are not met. Based on

Acute toxicity microorganisms available data, the classification criteria are not met.

Acute toxicity - terrestrial organisms Required information is not available.

Chronic aquatic toxicity

Summary Based on available data, the classification criteria are not met.

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**Chronic toxicity- in fish
early life stage** Required information is not available.

**Short term toxicity - embryo
and early larval stages** Required information is not available.

**Chronic toxicity- aquatic
invertebrates** Based on available data, the classification criteria are not met.

Toxicity to soil Required information is not available.

Toxicity to terrestrial plants Ecological Required information is not available.

information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Toxicity Based on available data, the classification criteria are not met.

Acute aquatic toxicity

Summary Based on available data, the classification criteria are not met.

Acute toxicity - fish LL₅₀,> 100 mg / l, Fish
LL₅₀, 96 (OECD 203) hours:> 100 mg / l, Pimephales promelas (Golyan Fish)

**Acute toxicity - aquatic
invertebrates** LL₅₀, 24 (OECD 202) hours:> 10000 mg / l, Aquatic shrimp EL50, 24
(OECD 202) hours:> 10000 mg / l, Water flea

Acute toxicity - aquatic plants Required information is not available.

**Acute toxicity
microorganisms** LL₅₀,> 100 mg / l, Micro-organisms

**Acute toxicity - on land
living organisms** Required information is not available.

Chronic aquatic toxicity

Summary Based on available data, the classification criteria are not met.

**Chronic toxicity- in fish
early life stage** Required information is not available.

**Short term toxicity
embryo and early larval
stages** Required information is not available.

**Chronic toxicity- aquatic
invertebrates** Required information is not available.

Toxicity to soil Required information is not available.

**For terrestrial plants
toxicity** Required information is not available.

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Paraffin oils

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 100 mg / l, Kocabaş carp

Acute toxicity - aquatic invertebrates EC₅₀, 2 days:> 10000 mg / l, Water flea EC₅₀, 21 days:> 10 mg / l, Water flea NOEC, 21 days:> 10 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days:> 100 mg / l, Green algae

bis (nonylphenyl) amine

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 100 mg / l, Danio rerio (Zebrafish) EC₅₀, 2 days:> 100 mg / l, Water flea

Acute toxicity - aquatic invertebrates 100 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days: 600 mg / l, Selenastrum capricornutum (Green algae)

Acute toxicity microorganisms EC₅₀, 0.1 days:> 1000 mg / l, sediment

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 1000 mg / l, Kocabaş carp NOEC, 4 days: 1000 mg / l, Kocabaş carp

Acute toxicity - aquatic invertebrates EC₅₀, 2 days: 41 mg / l, Water flea NOEC, 2 days: 32 mg / l, Water flea

Acute toxicity - aquatic plants NOEC, 3 days: 100 mg / l, Selenastrum capricornutum (Green algae)
EC₅₀, 3 days:> 100 mg / l, Selenastrum capricornutum (Green algae)

Acute toxicity microorganisms EC₅₀, 0.7 days:> 8000 mg / l, pseudomonas putida

Reaction products of fatty acids, with C14-C18 (branched and linear) and tetraethylenepentamine (linear, branched, cyclic)

C18 (unsaturated)

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 1000 mg / l, Kocabaş carp

Acute toxicity - aquatic invertebrates EC₅₀, 2 days:> 10000 mg / l, Water flea EC₅₀, 21 days:> 32 mg / l, Water flea NOEC, 21 days: 32 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 4 days: 94 mg / l, Selenastrum capricornutum
NOEC, 4 days: 23 mg / l, Selenastrum capricornutum

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Thiophene, tetrahydro-, 1,1-dioxide, 3- (C9-11-isoalkyloxy) derivatives, C10-rich

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days: 2.4 mg / l, Salmo gairdneri (Rainbow trout) LC₅₀, 4 days: 3.3 mg / l, Sheep Head Carp
NOEC, 4 days: 1 mg / l, Salmo gairdneri (Rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 2 days: 4.6 mg / l, Water flea NOEC, 2 days: 0.63 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days: 63 mg / l, Selenastrum capricornutum
NOEC, 3 days: 0.313 mg / l, Selenastrum capricornutum

C14-18 alpha-olefin epoxide, reaction products with boric acid

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days:> 100 mg / l, Oncorhynchus mykiss (rainbow trout)

Acute toxicity - aquatic invertebrates EC₅₀, 2 days:> 100 mg / l, Water flea EC₅₀, 21 days: 20 mg / l, Water flea NOEC, 2 days: 100 mg / l, Water flea NOEC, 21 days: 10 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days:> 100 mg / l, Selenastrum capricornutum

Acute toxicity microorganisms EC₅₀, 0.1 days:> 10000 mg / l, sediment

2-Ethylhexyl methacrylate

Acute aquatic toxicity

Acute toxicity - fish LC₅₀, 4 days: 2.78 mg / l, Red freshwater bait fish

Acute toxicity - aquatic invertebrates EC₅₀, 21 days: 0.105 mg / l, daphnia NOEC, 21 days: 0.105 mg / l, daphnia

Ethanol, 2,2-iminobis-, N-tallow alkyl derivatives

Acute aquatic toxicity

L (E) C₅₀ 0.01 <L (E) C₅₀ ≤ 0.1 10

M factor (acute)

Acute toxicity - fish LC₅₀, 4 days: 0.1 mg / l, Brachydanio rerio (Zebrafish)

Acute toxicity - aquatic invertebrates EC₅₀, 2 days: 0.043 mg / l, Water flea EC₁₀, 21 days: 0.0107 mg / l, Water flea

Acute toxicity - aquatic plants EC₅₀, 3 days: 0.0538 mg / l, Pseudokirchneriella subcapitata
NOEC, 3 days: 0.0156 mg / l, Pseudokirchneriella subcapitata

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**Acute toxicity
microorganisms** EC₅₀, 3 hours: 167 mg / l, sediment

12.2. Persistence and degradability

Persistence and degradability There is no information on the degradability of the product. There is no
Phototransformation specific test data available.
Stability (hydrolysis) There is no specific test data available. There is
Biodegradation no specific test data available. There is no
Biological oxygen demand specific test data available. There is no specific
Chemical oxygen demand test data available.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Persistence and degradability OECD 301B: 2-4%, 28 d; OECD 301F: 31%, 28 d
Phototransformation Insufficient data.
Stability (hydrolysis) Insufficient data.
Biodegradation Insufficient data.
Biological oxygen demand Insufficient data.
Chemical oxygen demand Insufficient data.

Paraffin oils

Biodegradation Carbon dioxide formation - 31: 28 days, OECD TG 301B

bis (nonylphenyl) amine

Biodegradation Carbon dioxide formation - 0%: 28 days, OECD TG 301B

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

Biodegradation Oxygen discharge - 2: 28 days, OECD TG 301 C

C14-18 alpha-olefin epoxide, reaction products with boric acid

Biodegradation Dissolved organic carbon (DOC) - 17.3: 28 days Dissolved
organic carbon (DOC) - 26.7: 28 days

2-Ethylhexyl methacrylate

Biodegradation Oxygen discharge - 88: 28 days, OECD TG 301 C

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Ethanol, 2,2-iminobis-, N-tallow alkyl derivatives

Biodegradation Oxygen discharge - 63%: 28 days, OECD TG 301 D

12.3. Bioaccumulative potential

Bioaccumulative potential There is no specific test data available.

Partition coefficient Insufficient data.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Bioaccumulative potential Insufficient data.

Partition coefficient Insufficient data.

bis (nonylphenyl) amine

Bioaccumulative potential BCF: 1584.89, Measured

Reaction products with 1,3,4-Thiadiazolidine-2,5-dithione, hydrogen peroxide and tert-nonanethiol

Partition coefficient log Kow: Measured 9.4

C14-18 alpha-olefin epoxide, reaction products with boric acid

Partition coefficient log Kow: 9.4

2-Ethylhexyl methacrylate

Bioaccumulative potential BCF: 37, Measured

Partition coefficient log Kow: 4.95

Ethanol, 2,2-iminobis-, N-tallow alkyl derivatives

Bioaccumulative potential BCF: 110,2, Fish, Calculation method. log Kow:

Partition coefficient 3.6

12.4. Mobility in soil

Mobility No data available.

Adsorption / desorption coefficient There is no specific test data available.

Henry's law constant There is no specific test data available. There is

Surface tension no specific test data available.

Ecological information on ingredients

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Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Mobility	No data available.
Adsorption / desorption coefficient	Insufficient data.
Henry's law constant	Insufficient data.
Surface tension	Insufficient data.

12.5. Results of PBT and vPvB assessment

PBT and vPvB results of the assessment Not applicable.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

PBT and vPvB of evaluation results	It is not relevant.
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12.6. Other adverse effects Other

adverse effects May cause little damage to water. Dangerous for the environment.

Ecological information on ingredients

Distillates (petroleum), hydrogen treated heavy paraffinic base oil

Other adverse effects	This product contains components that have an aquatic effect. Prevent from entering soil, rivers and sewers.
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SECTION 13: Disposal considerations

13.1. Waste treatment methods General

information Waste generation should be minimized or avoided wherever possible. Wastes, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents. Dispose of waste in a licensed waste disposal facility in accordance with the requirements of the local Waste Disposal Authorities.

Waste treatment methods Avoid spillage or runoff entering drains, sewers or watercourses. The disposal of this product, process solutions, residues and by-products must always comply with environmental protection requirements, waste disposal legislation and the requirements of local authorities. Reuse or recycle products wherever possible. Dispose of contents / container according to national regulations. During the handling of wastes, the safety precautions applied for the handling of the product should be considered.

Waste class Waste code classification should be carried out according to the European Waste Catalog (EWC).

SECTION 14: Transport information

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General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR / RID).

Road shipment notes Not edited.

Railway shipment notes Not classified.

Sea shipment notes Air Not classified.

shipment notes Not classified.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class (es)

There is no required transport warning sign.

Shipping labels

There is no required transport warning sign.

14.4. Packing group

Not applicable.

14.5. Environmental damages

14.6. Special precautions for user

Make sure that the people who ship the product know what to do in the event of an accident or spill. Always transport in closed containers upright and securely.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code

MARPOL 73/78 Annex II and IBC Not applicable.

pouring by code

transportation

SECTION 15: Regulatory information

15.1. Safety, health and environmental legislation specific for the substance or mixture

National regulations Republic of Turkey Ministry of Environment and Urbanization, Regulation on Classification, Labeling and Packaging of Substances and Mixtures, dated 11 December 2013 and numbered 28848.
Republic of Turkey Ministry of Environment and Urbanization Regulation on Safety Data Sheets Regarding Hazardous Substances and Mixtures
Republic of Turkey Ministry of Environment and Urbanization Safe Storage Guide
Republic of Turkey Ministry of Labor and Social Security, Regulation on the Use of Personal Protective Equipment at Workplaces, dated 2 July 2013 and numbered 28695
Republic of Turkey Ministry of Labor and Social Security, Regulation on Health and Safety Measures in Working with Chemicals, dated 12 August 2013 and numbered 28733

EU legislation <https://echa.europa.eu>

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Guide Safety Data Sheet for substances and preparations.

SECTION 16: Other information

**In the safety data sheet
used abbreviations and
acronyms**

EU: European Union DMSO:
Dimethyl sulfoxide
PPE: Personal protective equipment
TC: Republic of Turkey
TWA: Workplace exposure limits UZEM: National
Poison Information Center
ADR: European Agreement on the International Carriage of Dangerous Goods by Road. CAS: Chemical
Abstracts Service.
DNEL: Derived no-effect level. GHS: Global Harmonized
System.
IATA: International Air Transport Association.
ICAO: Technical Specifications for the Safe Transport of Dangerous Goods by Air. IMDG: International
Maritime Dangerous Goods.
LC50: The concentration of the substance causing 50% (half) death in the test animal group.
LD50: Dose of substance (Median Lethal Dose) that caused 50% (half) death in the test animal group.

PBT: Persistent, Bioaccumulative and Toxic substance.
REACH: EU Regulation (EC) No 1907/2006 on Registration, Evaluation, Authorization and Restriction of
Chemicals.
RID: European Agreement Relating to the International Carriage of Dangerous Goods by Rail. vPvB: Very Persistent, Very
Bioaccumulative.
MARPOL 73/78: International Convention for the Prevention of Pollution from Ships, 1973, as amended by the 1978
Protocol.
NOAEL: No Side Effects Level. NOEC: No-Effect
Concentration.

Asp. Full. = Aspiration hazard Skin Irrit.
= Skin irritation
Aquatic Chronic = Harmful to the aquatic environment (chronic) Eye Dam.
= Eye damage
Skin Corr. = Skin abrasion
Repr. Fog. Full. = Reproductive System Toxicity Aquatic
Acute = Harmful to the aquatic environment (acute) Skin
Sens. = Skin sensitization Acute Tok. = Acute toxicity

BHOT Single Mrz. = Specific Target Organ Toxicity - Single exposure

Abbreviations and acronyms

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General information Only trained personnel should use this material. This document contains important information for the safe storage, transport and use of this product. The information in this document should be brought to the attention of the person responsible for security issues in your organization. Uses and Restrictions: This product should not be used outside of the applications recommended in Section 1 without the prior recommendation of the supplier. This product is not used as a solvent or cleaning agent to set fire or to make it brighter and to clean the skin. Material Safety Data Sheet Distribution: The information in this document should be made available to all persons who can handle this product. Disclaimer: This information is based on our current knowledge and the product is described for the purpose of health, safety and environmental requirements only.

Main literature references and sources of information This SDS is based on the information received from our raw material suppliers.

Dated December 11, 2013 and 28848 EUH208: Calculation method., Supplier information

According to the regulation numbered classification conditions

Revision comments by Revised classification.

Sevda ŞAHAN Certified Safety Data Sheet Maker (Certificate No: GBF01.23.08; Date: 03.11.2018-03.11.2021)

New date of issue 03.01.2020

How many regulations one

Preparation date 01.01.2019

SDS No 20410

All of the hazard statements H302 Harmful if swallowed.
H304 Fatal if swallowed and enters respiratory tract. H314 Causes severe skin burns and eye damage. H315 Causes skin irritation.

H317 May cause an allergic skin reaction. H318 Causes serious eye damage. H319 Causes serious eye irritation.
H335 May cause respiratory irritation. H400 Very toxic to aquatic environment.
H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic environment.
EUH208 Contains C14-18 alpha-olefin epoxide, reaction products with boric acid, 2-Ethylhexyl methacrylate. May cause an allergic reaction.

This information relates only to a specific specific substance and should not be used in a composition or any process where the same substance is used in combination with other substances. This information is accurate and reliable as of the date specified, within the firm's high level of knowledge and opinion. However, no warranty or representation can be made for its accuracy, reliability and completeness. It is the user's own responsibility to be satisfied that this information is suitable for his own use.