



SAFETY DATA SHEET

ATF 3

According to the REACH etc. (Amendment etc.) (EU Exit) Regulations 2020 No. 1577, as amended.
Commission Regulation (EU) 2020/878 of 18 June 2020.

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name ATF 3
Product number 12222

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

Identified uses Automatic Transmission Fluid

Uses advised against This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. This product is designed only to suit automotive applications and no provision is made for the requirements of aviation applications.

1.3. Details of the supplier of the safety data sheet

Supplier PETROL OFİSİ A.Ş.
Ünalán Mahallesi, Libadiye Caddesi No: 82F Kat: 2-3-4, 34700 Üsküdar/ İstanbul
Tel: +90 850 339 1919
Fax: +90 216 275 3854
madeniyag@petrolofisi.com.tr

Contact person Customer Services: madeniyag@petrolofisi.com.tr

1.4. Emergency telephone number

Emergency telephone Madeni Yağ Müşteri Hizmetleri: 0850 339 19 19 (mesai saatleri)

National emergency telephone number Emergency Medical Services: 112

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Sens. 1 - H317
Environmental hazards Not Classified

Environmental The product is not expected to be hazardous to the environment.

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H317 May cause an allergic skin reaction.



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Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
Contains	Reaction product of:polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates

2.3. Other hazards

Not applicable.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

distillates (petroleum),solvent-dewaxed heavy paraffinic	1-5%
CAS number: —	
Classification	
Asp. Tox. 1 - H304	
Reaction product of:polyethylene-polyamine-(C16-C18)-alkylamides with monothio-(C2)-alkyl phosphonates	<1%
CAS number: — EC number: 417-450-2	
Classification	
Skin Irrit. 2 - H315	
Eye Irrit. 2 - H319	
Skin Sens. 1A - H317	
Aquatic Chronic 3 - H412	

The full text for all hazard statements is displayed in Section 16.

Composition comments	Some substances are not classified by legislation.They are self classified by the manufacturer. The DMSO extract by IP 346 of the oil is less than 3%
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SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Get medical attention if any discomfort continues.
Inhalation	Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.
Ingestion	Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.



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Eye contact Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

Protection of first aiders First aid personnel should wear appropriate protective equipment during any rescue.

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

General information Treat symptomatically.

Inhalation No specific symptoms known.

Ingestion No specific symptoms known.

Skin contact No specific symptoms known.

Eye contact No specific symptoms known.

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

Notes for the doctor Treat symptomatically.

Specific treatments Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Extinguish with the following media: Water spray, foam, dry powder or carbon dioxide.

Unsuitable extinguishing media Do not use the following: Water.

5.2. Special hazards arising from the substance or mixture

Specific hazards Oxides of the following substances: Carbon.

Hazardous combustion products Carbon monoxide (CO). Oxides of sulphur. Unidentified organic or inorganic compounds.

5.3. Advice for firefighters

Protective actions during firefighting Avoid breathing fire gases or vapours.

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Necessary precautions should be taken to ensure that non-educated personnel do not intervene.

For emergency responders Notification: In case of spillage, notify the local authorities as appropriate or as necessary. Stop the leakage source if it can be done without risk. Limit spillage to prevent further contamination of soil, surface or ground water. Remove any spilled material as soon as possible by following the precautions in the section Exposure Controls / Personal Protection. Use suitable techniques such as non-flammable absorbent materials or pumping. When possible or appropriate, remove the contaminated soil from the area. Place contaminated products in disposable boxes and dispose of in accordance with regulations. If a heated material is spilled, allow it to cool before handling with disposal methods.

6.2. Environmental precautions



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Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.

6.4. Reference to other sections

Reference to other sections Not applicable.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

Advice on general occupational hygiene In the areas where the product is handled, food should not be eaten, beverages should not be drink and smoke should not be smoked. Good personal hygiene procedures should be implemented.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place.

Storage class Chemical storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

Usage description The product must be used as specified in the data sheet.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

There is no available data.

Ingredient comments

Oil Mist TWA: 5 mg /m³ (ACGIH). Distillates (petroleum) hydrotreated heavy parafinic: EU OEL (Eu.) TWA: 5 mg/m³ (8 h.)

Biological limit values

There is no available data.

DNEL

There is no available data.

DMEL

There is no available data.

PNEC

There is no available data.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.



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Personal protection	Keep away from foodstuffs, beverages and foods. Instantly remove any soiled and impregnated garments. Wash hands during breaks and at the end of the work. Store protective clothing separately. The effectiveness of personal protective equipment, together with other elements, depends on the degree of ventilation. Depending on the particular situation in question, Get professional support.
Eye/face protection	Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles or face shield.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of skin contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.
Thermal hazards	If there is a risk of contact with hot product, all protective equipment worn should be suitable for use with high temperatures.
Environmental exposure controls	There is no available data.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Red.
Odour	Characteristic.
Odour threshold	Inconclusive data.
pH	Inconclusive data.
Melting point	Inconclusive data.
Initial boiling point and range	Inconclusive data.
Flash point	135°C Closed cup.
Evaporation rate	Inconclusive data.
Evaporation factor	Inconclusive data.
Flammability (solid, gas)	Inconclusive data.
Upper/lower flammability or explosive limits	Inconclusive data.
Other flammability	Inconclusive data.
Vapour pressure	Inconclusive data.
Vapour density	Inconclusive data.
Relative density	0,851 g/ml @ 15°C



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Bulk density	~0,84 g/ml @15°C
Solubility(ies)	Insoluble in water.
Partition coefficient	Inconclusive data.
Auto-ignition temperature	Inconclusive data.
Decomposition Temperature	Inconclusive data.
Viscosity	35 cSt @ 40°C
Explosive properties	Inconclusive data.
Explosive under the influence of a flame	No suitable data is available.
Oxidising properties	No data available.
Comments	Information declared as "Not available" or "Not applicable" is not considered to be relevant to the implementation of the proper control measures.
Particle characteristic	Not applicable.
9.2. Other information	
Other information	No information required.
Refractive index	No information available.
Particle size	No information available.
Molecular weight	No information available.
Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid excessive heat for prolonged periods of time. Avoid contact with strong oxidising agents.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents.

10.6. Hazardous decomposition products



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Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Information on hazard classes as defined in Regulation (EC) No 1272/2008

Other health effects No relevant information available.

Toxicological effects Not applicable.

Acute toxicity - oral

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

Notes (oral LD₅₀)

64742-54-7 distillates (petroleum), hydrotreated heavy paraffinic: LD₅₀ >2000 mg/kg, Oral, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate): LD₅₀ 3100 mg/kg, Oral, Rat 2,6-di-tertiary-butylphenol: LD₅₀ >5000 mg/kg, Oral, Rat Distillates (petroleum), hydrotreated heavy paraffinic: LD₅₀ >5000 mg/kg, Oral, Rat bis(nonylphenyl)amine: LD₅₀ >5000 mg/kg, Oral, Rat phenol, dodecyl-,sulfurized,carbonates,calcium salts,overbased: LD₅₀ >5000 mg/kg, Oral, Rat Polyglycol ether: LD₅₀ 300- 2000 mg/kg, Oral, Rat Calcium bis(dinonylnaphtalinesulphonate): LD₅₀ >5000 mg/kg, Oral, Rat phenol, (tetrapropenyl) derivatives: LD₅₀ 2200 mg/kg, Oral, Rat

Acute toxicity - dermal

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

Notes (dermal LD₅₀)

64742-54-7: Distillates (petroleum), hydrotreated heavy paraffinic: LD₅₀ > 2000 mg/kg, Dermal, Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate) : LD₅₀ >5000 mg/kg, Dermal, Rabbit 2,6-di-tertiary-butylphenol: LD₅₀ >10000 mg/kg, Dermal, Rabbit Distillates (petroleum) hydrotreated heavy paraffinic: LD₅₀ >5000 mg/kg, Dermal, Rabbit Bis(nonylphenil)amine: LD₅₀ >5000 mg/kg, Dermal, Rat Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased LD₅₀ >2000 mg/kg, Dermal, Rabbit Polyglycol ether: LD₅₀ >2000 mg/kg, Dermal, Rabbit Calcium bis (dinonylnaftalinesulphonate): LD₅₀ >20000 mg/kg, Dermal, Rat phenol, (tetrapropenyl) derivatives: LD₅₀ 15000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

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

Notes (inhalation LC₅₀)

Distillates (petroleum), hydrotreated heavy paraffinic: LC50 5,53 (4 sa.) mg/l, Inhalation, Rat Calcium bis(dinonylnaftalinesulphonate): LC50 >18 (1 sa.) mg/l, Inhalation, Rat

Skin corrosion/irritation

Summary Basen on the available data, the classification criteria are not met. In case of frequent and / or often contact with skin, irritation symptoms may occur.

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

Animal data No information available.

Human skin model test No information available.

Extreme pH No information available.

Serious eye damage/irritation

Summary Based on available data, the classification criteria are not met. Eye contact may cause irritation.

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



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Respiratory sensitisation	
Summary	Based on available data, the classification criteria are not met. Mist may cause slight irritation if inhaled.
Respiratory sensitisation	Based on available data the classification criteria are not met.
Skin sensitisation	
Summary	Based on the available data, the product is not expected to have a skin sensitizing effect.
Skin sensitisation	Based on available data the classification criteria are not met.
Germ cell mutagenicity	
Summary	It is not expected to cause genetic damage in the light of current data.
Genotoxicity - in vitro	Based on available data the classification criteria are not met.
Genotoxicity - in vivo	Based on available data the classification criteria are not met.
Carcinogenicity	
Summary	This product mainly consists of mineral based base oils. The base oils in this product are refined. The base oils in the product content contain less than 3% DMSO according to IP 346.
Carcinogenicity	Based on available data the classification criteria are not met.
Target organ for carcinogenicity	No specific target organs known.
Reproductive toxicity	
Summary	There is no test data indicating that this product has a toxic effect on the reproductive system.
Reproductive toxicity - fertility	No information available.
Reproductive toxicity - development	No information is required.
Specific target organ toxicity - single exposure	
Summary	There is no available data.
STOT - single exposure	Based on available data the classification criteria are not met.
Target organs	No specific target organs known.
Specific target organ toxicity - repeated exposure	
Summary	There is no available data.
STOT - repeated exposure	Based on available data the classification criteria are not met.
Target organs	No specific target organs known.
Aspiration hazard	
Summary	Based on available data, the classification criteria are not met. Slight irritation of the respiratory tract may occur, if mists are inhaled.
Aspiration hazard	Based on available data, the classification criteria are not met.
Toxicokinetics	No information is required.
General information	Information given is based on data of the components and of similar products.
Inhalation	Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.



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Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	No specific health hazards known.
Acute and chronic health hazards	There is not enough data.
Route of exposure	There is no available data.
Target organs	No specific target organs known.
Medical symptoms	No specific tes data are available.
Medical considerations	No specific tes data are available.

11.2 Information on other hazards

Information on other hazards	This substance does not have endocrine disrupting properties.
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SECTION 12: Ecological information

Ecotoxicity	Not regarded as dangerous for the environment.
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12.1. Toxicity

Toxicity	There is not enough data.
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Acute aquatic toxicity

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

bis(dithiophosphate):
 LL₅₀, 96 hours: 4,4 mg/l, Oncorhynchus mykiss (Rainbow trout)
 2,6-di-tertiary-butylphenol:
 LC₅₀, 96 hours: 1,4 mg/l, Pimephales promelas (Fat-head Minnow)
 Distillates (petroleum), hydrotreated heavy parafinic:
 LL₅₀, 96 hours: >100 mg/l, Pimephales promelas (Fat-head Minnow)
 Bis(nonylphenyl)amine:
 LL₅₀, 96 hours: >100 mg/l, Danio rerio (Zebrafish)
 Polyglycol ether:
 LL₅₀, 96 hours: >1000 mg/l, Pimephales promelas (Fat-head Minnow)
 LL₅₀, 96 hours: 104 mg/l, Danio rerio (Zebrafish)
 Calcium bis(dinonylnaftalinsulphonate):
 LC₅₀, 98 hours: >0,28 mg/l, Cyprinus carpio (Common carp)
 phenol, (tetrapropenyl) derivatives:
 LL₅₀, 96 hours: 40 mg/l, Pimephales promelas (Fat-head Minnow)
 Supplier's information.



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Acute toxicity - aquatic invertebrates

bis(dithiophosphate):
EL50, 48 hours: 75 mg/l, Daphnia magna
NOEC, 21 days: 0,4 mg/l, Daphnia magna
2,6-di-tertiary-butylphenol:
LC₅₀, 48 hours: 0,45 mg/l, Daphnia magna
Bis(nonylphenyl)amine:
EL50, 48 hours: >100 mg/l, Daphnia magna
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased
EL50, 48 hours: >1000 mg/l, Daphnia magna
Polyglycol ether:
EL50, 48 hours: >100 mg/l, Daphnia magna
Calcium bis(dinonylnaftalinsulphonate):
EC₅₀, 48 hours: >0,27 mg/l, Daphnia magna
phenol, (tetrapropenyl)derivatives:
EL50, 48 hours: 0,037 mg/l, Daphnia magna
Supplier's information.

Acute toxicity - aquatic plants

Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate):
EL50, 72 hours: 410 mg/l, Desmodemus subspicatus
2,6-di-tertiary-butylphenol:
EC₅₀, 96 hours: 1,2 mg/l, Pseudokirchneriella subcapitata
Bis(nonylphenyl)amine:
EL50, 72 hours: >100 mg/l, Desmodemus subspicatus
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased:
EL50, 96 hours: >500 mg/l, Pseudokirchneriella subcapitata
Polyglycol ether:
EL50, 96 hours: 326 mg/l, Selenastrum capricornutum
Calcium bis(dinonylnaftalinsulphonate):
EC₅₀, 72 hours: >1,2 mg/l, Pseudokirchneriella subcapitata
phenol, (tetrapropenyl) derivatives:
EL50, 72 hours: 0,36 mg/l, Desmodemus subspicatus
Supplier's information.

Acute toxicity - microorganisms

Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate):
EL50, 16 hours: 380 mg/l, Micro-organisms
2,6-di-tertiary-butylphenol:
EC₅₀, 3 hours: >1000 mg/l, Micro-organisms
Bis(nonylphenyl)amine:
IC₅₀, 3 hours: >100 mg/l, Micro-organisms
Phenol, tetrapropylene-,sulfurized, carbonates, calcium salts, overbased:
EL50, 3 hours: >10000 mg/l, Micro-organisms
Polyglycol ether:
EL50, 10 minutes: >1000 mg/l, Micro-organisms
Calcium bis(dinonylnaftalinsulphonate):
EL50, 3 hours: 560 mg/l, Micro-organisms
phenol, (tetrapropenyl)derivatives:
EL50, 3 hours: >1000 mg/l, Micro-organisms
Supplier's information.

Acute toxicity - terrestrial

No information required.

Chronic aquatic toxicity Summary

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



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Chronic toxicity - fish early life stage	No information required.
Short term toxicity - embryo and sac fry stages	No information required.
Chronic toxicity - aquatic invertebrates	2,6-di-tertiary-butylphenol: NOEC, 21 day: 0,64 mg/l, Daphnia magna Distillates (petroleum),hydrotreated heavy parafinic: NOEL, 21 day: 10 mg/l, Daphnia magna Calcium bis(dinonylnaftalinsulphonate): NOEL, 21 day: 4,6 mg/l, Daphnia magna phenol, (tetrapropenyl) derivatives: NOEL, 21 day: 0,0037 mg/l, Daphnia magna
Toxicity to soil	There is not enough data.
Toxicity to terrestrial plants	There is not enough data.
12.2. Persistence and degradability	
Persistence and degradability	Not applicable.
Phototransformation	No specific test data are available.
Stability (hydrolysis)	No specific test data are available.
Biodegradation	Not readily biodegradable.
Biological oxygen demand	No specific test data are available.
Chemical oxygen demand	No specific test data are available.
12.3. Bioaccumulative potential	
Bioaccumulative potential	Not applicable.
Partition coefficient	Inconclusive data.
12.4. Mobility in soil	
Mobility	The product is immiscible with water and will spread on the water surface.
Adsorption/desorption coefficient	No specific test data are available.
Henry's law constant	No specific test data are available.
Surface tension	No specific test data are available.
12.5. Results of PBT and vPvB assessment	
Results of PBT and vPvB assessment	Supplier data:This product does not contain PBT and vPvB.
12.6 Endocrine disrupting properties	
Endocrine disrupting properties	This product does not have endocrine disrupting properties.
12.6. Other adverse effects	
Other adverse effects	Not applicable.

SECTION 13: Disposal considerations



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13.1. Waste treatment methods

General information	The generation of waste should be minimised or avoided wherever possible.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	The waste code classification is to be carried out according to the European Waste Catalogue (EWC).

SECTION 14: Transport information

General	The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).
Road transport notes	Not classified.
Rail transport notes	Not classified.
Sea transport notes	Not classified.
Air transport notes	Not classified.

14.1. UN number

UN number or ID number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

Transport labels

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Maritime transport in bulk according to IMO instruments Not applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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



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National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
EU legislation	Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
Guidance	Workplace Exposure Limits EH40. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. Safety Data Sheets for Substances and Preparations.
Health and environmental listings	Hazardous ingredients are listed.

15.2. Chemical safety assessment

Not applicable.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	E.U. : European union DMSO: Dimethyl sulfoxide KKE: Personal protective equipment T.C. : Republic of Turkey TWA: Workplace exposure limits UZEM: National Poison Information Center CAS: Chemical Abstracts Service. GHS: Globally Harmonized System. LC ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). PBT: Persistent, Bioaccumulative and Toxic substance. REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
Classification abbreviations and acronyms	Asp. Tox. = Aspiration hazard Skin Corr. = Skin corrosion Skin Sens. = Skin sensitisation Skin Irrit. = Skin irritation Eye Dam. = Serious eye damage Aquatic Chronic = Hazardous to the aquatic environment (chronic) Aquatic Acute = Hazardous to the aquatic environment (acute) Acute Tox. = Acute toxicity Eye Irrit. = Eye irritation Repr. = Reproductive toxicity



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General information	Only trained personnel should use this material. This document contains important information to ensure the safe storage, handling and use of this product. The information in this document should be brought to the attention of the person in your organisation responsible for advising on safety matters. Uses and Restrictions : This product must not be used in applications other than those recommended in Section 1, without first seeking the advice of the supplier. This product is not to be used as a solvent or cleaning agent; for lighting or brightening fires; as a skin cleanser. Disclaimer : This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.
Key literature references and sources for data	This SDS is prepared based on the information received from raw material suppliers.
Classification procedures according to Regulation (EC) 1272/2008	Not classified for environmental hazards., Not classified for physical hazards., Not classified for health hazards., Supplier information, Calculation method.: Calculation method.
Training advice	Untrained personnel should not use.
Revision comments	Revised classification.
Issued by	Sena Ezgi Selçuk Chemical Assessment Specialist (Certificate No: KDU01.29.06 17.12.2027)
Revision date	19/03/2024
Revision	3
Supersedes date	17/06/2011
SDS number	10107
SDS status	Approved.
Hazard statements in full	H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.