



SAFETY DATA SHEET

according to the REACH Regulation (EC) 1907/2006
amended by Regulation (EU) 2020/878

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Version: 1.0

Date of compilation: 03.08.2024.

Engine Oil 5W-40

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product identifier:

- Trade name: Engine Oil 5W-40 - Petrol

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

Relevant identified uses: engine oil.

Uses advised against: do not use this chemical for any purpose other than as described in the "Relevant identified uses".

1.3. Details of the supplier of the safety data sheet

Supplier: Würth Gulf FZE
Address: P.O.Box:17036, Jebel Ali Freezone,South 6, Dubai, U.A.E
Telephone number: +971 50 858 2034
Email address for a competent person responsible for the safety data sheet: info@wurth.ae

1.4. Emergency telephone number

Unified emergency number: 112

SECTION 2. HAZARD IDENTIFICATION

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]:

Serious eye damage / eye irritation, Category 2; H319

Full text of H-statements: see Section 16.

Physical and chemical hazards: the chemical is not classified as hazardous based on its physical and chemical properties.

Human health hazards: causes serious eye irritation. Sensitive people may develop an allergic reaction in dermal contact with the chemical.

Environmental hazards: the chemical is not classified as hazardous to the environment.

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]:

Product identifier:

- Trade name: Engine Oil 5W-40

Engine Oil 5W-40Hazard pictograms:

GHS07

Signal word: WARNINGHazard statements:

H319: Causes serious eye irritation.

Precautionary statements:

P102: Keep out of reach of children.

P264: Wash hands thoroughly after handling.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313: If eye irritation persists: Get medical advice/attention.

Supplemental information: EUH208: Contains benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts. May produce an allergic reaction.**2.3. Other hazards**

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration \geq 0,1 %.

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

Other hazards which do not result in classification: the chemical is not classified as flammable but supports burning.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. Substances**

Not applicable.

3.2. Mixtures

Product identifier	Chemical name	Classification ¹	SCL, M-factor, ATE	Concentration, % (m/m)
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¹ According to Regulation (EC) No. 1272/2008 (CLP)

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Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 REACH: -	Distillates (petroleum), hydrotreated heavy paraffinic <i>(Note L)</i>	not classified	-	< 55
Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 REACH: -	Distillates (petroleum), solvent-dewaxed heavy paraffinic <i>(Note L)</i>	not classified	-	< 45
Index: 649-471-00-X CAS: 64742-62-7 EC: 265-166-0 REACH: -	Residual oils (petroleum), solvent-dewaxed <i>(Note L)</i>	not classified	-	< 7
Index: 649-465-00-7 CAS: 64742-52-5 EC: 265-155-0 REACH: -	Distillates (petroleum), hydrotreated heavy naphthenic <i>(Note L)</i>	not classified	-	< 5
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 REACH: -	Distillates (petroleum), solvent-dewaxed light paraffinic <i>(Note L)</i>	Asp. Tox. 1; H304	-	< 5
Index: - CAS: 85940-28-9 EC: 288-917-4 REACH: 01- 2119521201-61	zinc bis(O,O-2-ethylhexyl and isobutyl and isopropyl dithiophosphate)	Skin Irrit. 2; H315 Eye Dam. 1; H318 Aquatic Chronic 2; H411	-	0,8 < C < 1,5
Index: - CAS: 70024-69-0 EC: 274-263-7 REACH: -	Benzenesulfonic acid, mono-C16-24-alkyl derivs., calcium salts	Skin Sens. 1B; H317	² Skin Sens. 1B; H317: 10 % ≤ C ≤ 100 %	0,8 < C < 1,5
Index: - CAS: 68411-46-1 EC: 270-128-1 REACH: 01- 2119491299-23	Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Repr. 2; H361f	-	0,4 < C < 0,9

² SCL is taken from the C&L (EU) Classification and Labeling Inventory.

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Note L: The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ('Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method' Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

Substances *Distillates (petroleum), hydrotreated heavy paraffinic*, *Distillates (petroleum), solvent-dewaxed heavy paraffinic*, *Residual oils (petroleum), solvent-dewaxed*, *Distillates (petroleum), hydrotreated heavy naphthenic* and *Distillates (petroleum), solvent-dewaxed light paraffinic* are not classified as carcinogenic substances, because contain less than 3% of dimethyl sulphoxide extract as measured by IP 346 method.

Full text of H- and EUH-statements: see Section 16.

SECTION 4. FIRST AID MEASURES**4.1. Description of first aid measures**

First-aid measures after inhalation: remove affected person to fresh air, keep warm and rest. If the injured person is unconscious, place him in the recovery position, loosen tight clothing, control and maintain airway patency. In case of difficulty breathing, give oxygen. If respiratory arrest occurs, apply artificial respiration by adequately trained personnel. In case of loss of consciousness, breathing disorders or persistent symptoms, provide immediate medical assistance.

First-aid measures after skin contact: remove contaminated clothing and shoes immediately. Wash the exposed parts of the skin with mild soap and rinse well with water. Consult a doctor if symptoms occur and persist.

First-aid measures after eye contact: rinse the eyes thoroughly with running water. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. During flushing, keep the eyelids wide open and move eyeballs. Consult a doctor if symptoms occur and persist. When rinsing, do not use a strong jet of water, as it can damage the cornea.

First-aid measures after ingestion: do not induce vomiting. Seek immediate medical attention. In cases of spontaneous vomiting, lower the head as low as possible to the ground to prevent aspiration into the lungs. Never give anything by mouth to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious. If the person is conscious, give them a large amount of water to drink. Do not give milk, fat or alcohol. If any of the following delayed signs and symptoms appear within the next 6 hours, transport the injured person to the nearest medical facility: fever greater than 38,3°C, shortness of breath, chest congestion, continuous coughing or wheezing.

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

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Symptoms / effects after inhalation: the chemical may be harmful when inhaled, it may cause irritation of the respiratory tract.

Symptoms / effects after skin contact: repeated or prolonged exposure may cause dermatitis, due to the degreasing properties of the chemical. Signs and symptoms may include a burning sensation and/or a dry/cracked skin appearance. Sensitive people may develop an allergic reaction in dermal contact with the chemical.

Symptoms / effects after eye contact: direct contact of the chemical with the eyes leads to serious irritation of a reversible character. Exposure symptoms may include a burning sensation, increased tearing and redness.

Symptoms / effects after ingestion: irritation of the gastrointestinal tract, nausea, vomiting and diarrhea may occur. Through ingestion or vomiting after ingestion, the chemical may get into the lungs, causing chemical pneumonia. If the chemical gets into the lungs, signs and symptoms may include: coughing, choking, wheezing, difficulty breathing, chest tightness, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed several hours after exposure.

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

Symptomatic treatment.

SECTION 5. FIREFIGHTING MEASURES**5.1. Extinguishing media**

Suitable extinguishing media: alcohol-resistant foam, dry chemical powder extinguishers, carbon dioxide (CO₂). Use water spray or water mist for cooling. Sand or earth may be used for small fires.

Unsuitable extinguishing media: strong water jet, because it may expand the fire.

5.2. Special hazards arising from the substance or mixture

The chemical is not classified as flammable but supports burning. Fumes containing carbon oxides and other unidentified thermal decomposition products of higher hydrocarbons are released in the fire area. Do not inhale combustion products as they are a health hazard.

5.3. Advice for firefighters

Follow the procedures applicable to extinguishing fires involving chemicals.

In the event of a large fire, remove all persons not involved in the extinguishing process. Call emergency brigades and firefighters. If possible, cool containers exposed to fire or high temperature using water spray from a safe distance and remove them from the endangered area. Used fire extinguishing agents and fire residues must not be discharged into drains, sewers or water systems. It is necessary to collect them separately and dispose of in accordance with the applicable regulations.

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Special protective equipment for firefighters: wear full fireproof protective clothing and self-contained breathing apparatus (SCBA).

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1. Personal precautions, protective equipment and emergency procedures**

For non-emergency personnel: ensure that the sanitation of the accident and the elimination of its consequences are carried out exclusively by personnel trained for it.

For emergency responders: restrict access to the affected area until appropriate clean-up and removal measures have been implemented. Avoid contact of spilled material with eyes, skin and clothing. Do not breathe vapors and mists. Ensure adequate ventilation (especially in small, confined spaces). Remove all sources of ignition. Do not smoke.

6.2. Environmental precautions

Avoid spreading of the spilled chemical, its runoff and contact with the soil, waterways, drains or sewers. Notify the competent authorities if there is pollution of the environment (soil, watercourses or sewage).

6.3. Methods and material for containment and cleaning up

Advice on how to contain a spill: if safe and possible, prevent the spread of the spilled chemical by building barriers of adequate containment material.

Advice on how to clean-up a spill: cover small spills with non-flammable, inert absorbent material (sand, earth, vermiculite) and collect in a suitable, closed and labeled container for disposal of this type of waste. Clean the contaminated area with water and a special detergent, then rinse with water. Collect large amounts of spilled chemical by pumping them out. Dispose of the collected content in accordance with applicable regulations. If necessary, provide the help of experts who deal with the sanitation of this type of accident.

Other information relating to spills and releases: not data available.

6.4. Reference to other sections

See Section 8 for information on personal protection measures.

See Section 13 for information on waste treatment and disposal.

SECTION 7. HANDLING AND STORAGE**7.1. Precautions for safe handling**

Precautions for safe handling: prevent the formation of vapors and mists in concentrations that are higher than the occupational exposure limits. Avoid breathing vapors and mists. Avoid contact with eyes, skin and clothing. Keep containers tightly closed when not in use. Protect the chemical from heat, flames, sparks and extreme temperatures.

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Hygiene measures: observe safety measures at work, fire prevention and general hygiene measures. Do not eat, drink or smoke during handling. Before taking a break and after finishing work, wash your hands thoroughly. Remove contaminated clothing and protective equipment before entering eating areas. Wash soiled clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Keep the chemical in the original, well-closed and adequately labeled packaging. Store in a cool, dry and well-ventilated area away from incompatible materials (for more information, see Section 10 of this safety data sheet). Protect from heat, flames, sparks, extreme temperatures and direct sunlight. Keep separately from food, drink and animal feeding stuffs. Containers that have been opened must be carefully closed and kept in an upright position to avoid chemical leakage.

7.3. Specific end use(s)

Identified uses are listed in Subsection 1.2.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. Control parameters**

The following data are available for mineral oil mist: TWA: 5 mg/m³; STEL: 10 mg/m³.

DNEL		
Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)		
Oral	Long term exposure - systemic effects	0,74 mg/kg bw/day (general population)
Dermal	Long term exposure - systemic effects	0,97 mg/kg bw/day (workers)
Inhalation	Long term exposure - local effects	5,58 mg/m ³ (workers)
	Long term exposure - systemic effects	2,73 mg/m ³ (workers)

PNEC	
Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)	
PNEC oral (secondary poisoning, predators)	9,33 mg/kg food

8.2. Exposure controls

Appropriate engineering controls: provide local exhaust or general ventilation in rooms where the chemical is stored and used. Engineering control measures should always be given priority over personal protection measures.

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Individual protection measures: adopt and follow good work and personal hygiene habits to control chemical exposure. Do not eat, drink or smoke during handling. Wash hands thoroughly before breaks, before eating or drinking and at the end of workday. Use adequate personal protective equipment. Ensure the availability of eyewash stations near the work area.

Personal protective equipment:

- *Eye/face protection:* use safety glasses as protection against splashing liquid chemical into the eyes (EN 166).
- *Skin protection:*
 - *Hand protection:* wear protective gloves that meet the requirements of the relevant standard (EN 374). The glove material must be impermeable and resistant to the chemical. Gloves must be periodically inspected and replaced in case of wear, perforation or contamination.
 - *Body protection:* wear a protective suit made of chemical-resistant materials. Wear non-slip and oil-resistant safety shoes.
- *Respiratory protection:* under normal conditions of use, no special respiratory protective equipment is required. In case that vapors/mist concentrations are above the threshold values of exposure or in case of inadequate ventilation, use an approved respirator equipped with a suitable filter (EN 14387, EN 141). If exposure levels cannot be determined or estimated with adequate confidence, or if, for any reason, oxygen deficiency is possible, only self-contained breathing apparatus should be used. The selection of respiratory protective equipment should be made on the basis of specific activities, levels and expected duration of exposure.
- Thermal hazards: no data available.

Environmental exposure controls: do not allow the chemical to enter the environment by applying appropriate control measures.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	no data available
Odour:	no data available
Melting point/freezing point:	no data available
Boiling point or initial boiling point and boiling range:	no data available
Flammability:	not classified as flammable

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Lower and upper explosion limit:	no data available
Flash point:	228°C
Auto-ignition temperature:	no data available
Decomposition temperature:	no data available
pH:	no data available
Kinematic viscosity:	95,78 mm ² /s at 40°C 14,7 mm ² /s at 100°C
Solubility:	no data available
Partition coefficient n-octanol/water (log value):	no data available
Vapour pressure:	no data available
Density and/or relative density:	no data available
Relative vapour density:	no data available
Particle characteristics:	not applicable

9.2. Other information

Viscosity index: 160

Pour point: - 39°C

SECTION 10. STABILITY AND REACTIVITY**10.1. Reactivity**

The chemical is not reactive under normal conditions.

10.2. Chemical stability

The chemical is stable under recommended conditions of use and storage.

10.3. Possibility of hazardous reactions

No known hazardous reactions.

10.4. Conditions to avoid

Avoid exposure to high temperatures, open flames, sparks and other sources of ignition, as well as storage and mixing with incompatible materials.

10.5. Incompatible materials

Strong oxidizing agents.

10.6. Hazardous decomposition products

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Under the recommended conditions of storage and handling, hazardous decomposition products should not be produced.

SECTION 11. TOXICOLOGICAL INFORMATION**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008**

Acute toxicity: based on available data, the classification criteria are not met. Available data on the acute toxicity of the ingredients of the mixture are listed in the following table.

Product identifier	Chemical name	Acute toxicity
Index: 649-467-00-8 CAS: 64742-54-7 EC: 265-157-1 REACH: -	Distillates (petroleum), hydrotreated heavy paraffinic	LD ₅₀ : > 5000 mg/kg (rat, oral) LD ₅₀ : > 2000 mg/kg (rabbit, dermal) LC ₅₀ /4h: > 5,53 mg/l (rat, inhalation)
Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 REACH: -	Distillates (petroleum), solvent-dewaxed heavy paraffinic	LD ₅₀ : > 5000 mg/kg (rat, oral) LD ₅₀ : > 2000 mg/kg (rabbit, dermal) LC ₅₀ /4h: > 5,53 mg/l (rat, inhalation)
Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 REACH: -	Distillates (petroleum), solvent-dewaxed light paraffinic	LD ₅₀ : > 5000 mg/kg (rat, oral) LD ₅₀ : > 2000 mg/kg (rabbit, dermal) LC ₅₀ /4h: > 5,53 mg/l (rat, inhalation)

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

Serious eye damage/irritation: the chemical is classified in Category 2 of this hazard class. Causes serious eye irritation.

Respiratory or skin sensitisation: based on available data, the classification criteria are not met.

Germ cell mutagenicity: based on available data, the classification criteria are not met.

Carcinogenicity: based on available data, the classification criteria are not met.

Reproductive toxicity: based on available data, the classification criteria are not met.

STOT-single exposure: based on available data, the classification criteria are not met.

STOT-repeated exposure: based on available data, the classification criteria are not met.

Aspiration hazard: based on available data, the classification criteria are not met.

Information on likely routes of exposure: ingestion (swallowing), inhalation, skin/eye exposure.

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Symptoms related to the physical, chemical and toxicological characteristics: if known, symptoms of exposure are listed in Subsection 4.2.

Delayed and immediate effects as well as chronic effects from short and long-term exposure: if known, the effects of exposure are listed in Subsection 4.2

Interactive effects: no data available.

Absence of specific data: no data available.

Mixtures: no data available.

Mixture versus substance information: no data available.

11.2. Information on other hazards

Endocrine disrupting properties: the mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

Other information: no data available.

SECTION 12. ECOLOGICAL INFORMATION**12.1. Toxicity**

Based on the available data, the classification criteria are not met. The chemical is not classified as dangerous to the environment.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

Available data for the ingredients of the mixture are listed in the table below.

Product identifier	Chemical name	Partition coefficient n-octanol/water (Log Kow)	Bioconcentration factor (BCF)
Index: 649-474-00-6 CAS: 64742-65-0 EC: 265-169-7 REACH: -	Distillates (petroleum), solvent-dewaxed heavy paraffinic	> 6 (literature data, potentially bioaccumulative)	no data available



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Index: 649-469-00-9 CAS: 64742-56-9 EC: 265-159-2 REACH: -	Distillates (petroleum), solvent-dewaxed light paraffinic	> 6 (literature data, potentially bioaccumulative)	no data available
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12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB in a concentration \geq 0,1 %.

12.6. Endocrine disrupting properties

The mixture does not contain substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is not identified as having endocrine disrupting properties in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or greater than 0,1 %.

12.7. Other adverse effects

No additional information available.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste treatment methods: waste generation should be avoided or minimized whenever possible. For further disposal and treatment of contaminated packaging and unused chemicals, contact an authorized operator. All waste disposal procedures must be in accordance with the requirements of environmental protection and applicable regulations.

Avoid discharge into the sewage system.

Waste treatment of contaminated packaging: the treatment and disposal of contaminated packaging must comply with the regulations in force.

Regulations related to waste management:

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste, as amended.

SECTION 14. TRANSPORT INFORMATION

The chemical is not classified as dangerous according to the current regulations governing the transport of dangerous goods by road (ADR), rail (RID), sea (IMDG), air (ICAO TI) and inland waterways (ADN).

Engine Oil 5W-40**14.1. UN number or ID number**

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Mixture is environmentally hazardous (ADR / RID / ADN): NO.

Marine pollutant (IMDG): NO.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15. REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18th December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, as amended
Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16th December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006, as amended
COMMISSION REGULATION (EU) 2020/878 of 18 June 2020 amending Annex II to Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

15.2. Chemical safety assessment

No chemical safety assessment has been carried out for this mixture.

Engine Oil 5W-40**SECTION 16. OTHER INFORMATION**

Indication of changes: not applicable; first edition (first version).

Abbreviations and acronyms:

CAS: **C**hemical **A**bstracts **S**ervice

GHS: **G**lobally **H**armonized **S**ystem of Classification and Labelling of Chemicals

CLP: **C**lassification, **l**abeling and **p**ackaging of substances and mixture

SCL: **S**pecific **C**oncentration **L**imit

ATE: **A**cute **T**oxicity **E**stimate

PBT: **P**ersistent, **B**ioaccumulative and **T**oxic

vPvB: **V**ery **P**ersistent and **V**ery **B**ioaccumulative

REACH: **R**egistration, **E**valuation, **A**uthorisation and **R**estriction of Chemicals Regulation (EC) No 1907/2006

Asp. Tox. 1: **A**spiration hazard, **C**ategory 1

Repr. 2: **R**eproductive toxicity, **C**ategory 2

Skin Irrit. 2: **S**kin corrosion/irritation, **C**ategory 2

Skin Sens. 1B: **S**kin sensitization, **S**ub-category 1B

Eye Dam. 1: **S**erious eye damage/eye irritation, **C**ategory 1

Aquatic Chronic 2: **H**azardous to the aquatic environment — **C**hronic Hazard, **C**ategory 2

TWA: **T**ime **W**eighted **A**verage

STEL: **S**hort-**T**erm **E**xposure **L**imit

DNEL: **D**erived-**N**o **E**ffect **L**evel

PNEC: **P**redicted **N**o-**E**ffect **C**oncentration

bw: **b**odyweight

LD₅₀: **M**edian lethal dose

LC₅₀: **M**edian lethal concentration

ADR: **E**uropean **A**greement concerning the **I**nternational **C**arriage of **D**angerous **G**oods by **R**oad

RID: **R**egulations concerning the **I**nternational **C**arriage of **D**angerous **G**oods by **R**ail

ADN: **E**uropean **A**greement concerning the **I**nternational **C**arriage of **D**angerous **G**oods by **I**nland **W**aterways

IMDG: **I**nternational **M**aritime **D**angerous **G**oods

ICAO-TI: **I**nternational **C**ivil **A**viation **O**rganization - **T**echnical **I**nstruction

Key literature references and sources for data:

Classification and procedure used to derive the classification for mixtures according to Regulation (EC)



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1272/2008 [CLP]:

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Serious eye damage / eye irritation, Category 2; H319	Calculation method

Relevant H-statements (number and full text):

H304: May be fatal if swallowed and enters airways.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H361f: Suspected of damaging fertility

H411: Toxic to aquatic life with long lasting effects.

Relevant EUH-statements (number and full text): not applicable.

Advice on any training appropriate for workers: taking into account the information from this safety sheet as well as all other relevant data, define and implement appropriate training for employees for each workplace.

The information contained in this safety data sheet is based on our knowledge and experience as of the date of the last version and describes the chemical from a safety perspective. As the use of the chemical is not under our direct control, it is the responsibility of the user to comply with applicable laws and measures related to hygiene and safety.