



REPSOL ELITE EVOLUTION V 0W-30

Printing: 27/09/2024 Date of compilation: 27/09/2024 Version: 1

SECTION 1: IDENTIFICATION

- 1.1 GHS Product identifier:** REPSOL ELITE EVOLUTION V 0W-30
Other means of identification:
RP_0056E
- 1.2 Recommended use of the chemical and restrictions on use:**
Relevant uses: Lubricant; automotive applications
Uses advised against: All uses not specified in this section or in section 7.3
- 1.3 Supplier's details:**
REPSOL LUBRICANTES Y ESPECIALIDADES, S.A.
Méndez Álvaro, 44
28045 MADRID - Madrid - Spain
Phone: +34 917538000 / +34 917538100 - Fax: +34 902303145
FDSRLESA@repsol.com
- 1.4 Emergency phone number:** CARECHEM (Japan, 24/7) 0120 015 230; CARECHEM (Asia, 24/7) +65 3158 1074

SECTION 2: HAZARDS IDENTIFICATION

The product has been classified in accordance with the information contained in the suppliers' SDS and the additional information from tests carried out by said suppliers

- 2.1 Classification of the substance or mixture:**
JIS Z 7252:2019:
Classification of this product has been carried out in accordance with JIS Z 7252:2019
Eye Irrit. 2B: Eye irritation, category 2B, H320
Muta. 2: Germ cell mutagenicity, Category 2, H341
STOT RE 1: Specific target organ toxicity, repeated exposure, Category 1, H372
STOT SE 2: Specific target organ toxicity — single exposure, Category 2, H371

2.2 GHS label elements, including precautionary statements:

JIS Z 7252:2019:

Danger



Hazard statements:

Eye Irrit. 2B: H320 - Causes eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
STOT SE 2: H371 - May cause damage to organs.

Precautionary statements:

P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P201: Obtain special instructions before use.
P264: Wash thoroughly after handling.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P501: Dispose of the contents/containers according to the separated collection system used in your municipality.

Substances that contribute to the classification

Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (IP 346 < 3 %, < 20.5 cSt @ 40°C); Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, < 3 % DMSO

2.3 Other hazards which do not result in classification:

Not relevant

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

- 3.1 Substances:**
Non-applicable

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS (continued)

3.2 Mixtures:

Chemical description: Oil/s

Components:

In accordance with JIS Z 7252:2019, the product contains:

Identification	Chemical name/Classification	Concentration
CAS: 64742-54-7	Distillates (petroleum), hydrotreated heavy paraffinic , < 3 % IP 346, < 20.5 cSt @ 40°C Asp. Tox. 1: H304 - Danger	35,923 - <41,28 %
CAS: 68037-01-4	Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated Asp. Tox. 1: H304 - Danger	22%
CAS: 72623-87-1	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (IP 346 < 3 %, < 20.5 cSt @ 40°C) Acute Tox. 4: H332; Asp. Tox. 1: H304; Eye Irrit. 2B: H320; Muta. 2: H341; Skin Irrit. 3: H316; STOT RE 1: H372; STOT SE 2: H371 - Danger	5,97 - <9,95 %
CAS: 72623-86-0	Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, < 3 % DMSO Acute Tox. 4: H332; Asp. Tox. 1: H304; Eye Irrit. 2B: H320; Muta. 2: H341; Skin Irrit. 3: H316; STOT RE 1: H372; STOT SE 2: H371 - Danger	5,97 - <9,95 %
CAS: 64742-56-9	Distillates (petroleum), solvent-dewaxed light paraffinic, < 3 % IP 346 Asp. Tox. 1: H304 - Danger	0,153 - <1,53 %
CAS: 64742-65-0	Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C) Asp. Tox. 1: H304 - Danger	0,153 - <1,53 %
CAS: 64742-70-7	Paraffin oils (petroleum), catalytic dewaxed heavy (IP 346 < 3 %, < 20.5 cSt @ 40°C) Asp. Tox. 1: H304 - Danger	0,153 - <1,53 %
CAS: Non-applicable	C14-16-18 Alkyl phenol Skin Sens. 1B: H317; STOT RE 2: H373 - Warning	0,0153 - <0,153 %

To obtain more information on the hazards of the substances consult sections 11, 12 and 16.

The product contains less than 3% DMSO extract measured according to IP-346.

SECTION 4: FIRST AID MEASURES

4.1 Description of necessary first-aid measures:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

By inhalation:

Remove the affected person from the area of exposure, provide them with fresh air, and keep them at rest. In severe cases such as cardiorespiratory arrest, administer artificial respiration techniques if properly trained (mouth-to-mouth respiration, CPR, oxygen provision, etc.) and seek immediate medical assistance.

By skin contact:

Remove contaminated clothing and footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

By eye contact:

This product does not contain substances classified as hazardous for eye contact. Rinse eyes thoroughly for at least 15 minutes with lukewarm water, ensuring that the person affected does not rub or close their eyes.

By ingestion/aspiration:

Request medical assistance immediately, showing the SDS of this product. Induce vomiting (ONLY IN CONSCIOUS PEOPLE!) and then ingest large quantities of liquid to dilute the toxin. Keep the person affected at rest.

4.2 Most important symptoms/effects, acute and delayed:

Acute and delayed effects are indicated in sections 2 and 11.

4.3 Indication of immediate medical attention and special treatment needed, if necessary:

Not relevant

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SECTION 5: FIRE-FIGHTING MEASURES

5.1 Suitable extinguishing media:

Suitable extinguishing media:

If possible use polyvalent powder (ABC powder), alternatively use foam or carbon dioxide (CO₂) in accordance with the Regulation on fire protection systems.

Unsuitable extinguishing media:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Specific hazards arising from the chemical:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk: *Carbon monoxide, carbon dioxide, sulfur oxides, zinc and phosphorus.*

5.3 Special protective actions for fire-fighters:

Depending on the magnitude of the fire it may be necessary to use full protective clothing and individual respiratory equipment. Minimum emergency facilities and equipment should be available (fire blankets, portable first aid kit,...)

Additional provisions:

Act in accordance with the Internal Emergency Plan and the Information Sheets on actions to take after an accident or other emergencies. Destroy any source of ignition. In case of fire, refrigerate the storage containers and tanks for products susceptible to inflammation, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures:

For non-emergency personnel:

Isolate leaks provided that there is no additional risk for the people performing this task. Personal protection equipment must be used against potential contact with the spilt product (See section 8). Evacuate the area and keep out those who do not have protection.

For emergency responders:

Wear protective equipment. Keep unprotected persons away. See section 8.

6.2 Environmental precautions:

This product is not classified as hazardous to the environment. Keep product away from drains, surface and underground water.

6.3 Methods and materials for containment and cleaning up:

It is recommended:

Prevent the entrance of product in drains, sewers or watercourses. Absorb the spill using sand or inert absorbent and move it to a safe place. Do not absorb in sawdust or other combustible absorbents. Collect the product in appropriate containers and manage it according to current legislation.

Spillages in water or sea:

Small spillages:

Contain spillage using barriers or similar equipment. Use suitable absorbents for collection and treat the waste in accordance with current regulations.

Large spillages:

If possible, contain spillage in open water using barriers or similar equipment. If this is not possible, try to control its spread and collect the product with suitable mechanical means. Always consult experts before using dispersants and make sure you have the necessary approvals if they are to be used. Treat the waste according to current regulations.

6.4 Reference to other sections:

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

A.- General precautions for safe use

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SECTION 7: HANDLING AND STORAGE (continued)

Comply with the current legislation concerning the prevention of industrial risks with regards manually handling weights. Maintain order, cleanliness and dispose of using safe methods (section 6).

B.- Technical recommendations for the prevention of fires and explosions

Non-flammable product. It is recommended to transfer at slow speeds to avoid the generation of electrostatic charges that could affect flammable products. See section 10 of the SDS for conditions and materials to be avoided.

C.- Technical recommendations on general occupational hygiene

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Technical recommendations to prevent environmental risks

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Conditions for safe storage, including any incompatibilities:

A.- Specific storage requirements

Store in a cool, dry, well-ventilated location

B.- General conditions for storage

Store in well-ventilated areas, protected from sunlight and heat, and away from ignition sources. Avoid contact with food. For additional information see subsection 10.5.

7.3 Specific end use(s):

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Substances whose occupational exposure limits have to be monitored in the workplace

There are no applicable occupational exposure limits for the substances contained in the product

8.2 Appropriate engineering controls:


A.- Individual protection measures, such as personal protective equipment (PPE)

The choice of the most appropriate personal protective equipment in each case depends, among other factors, on the nature of the work to be done and the conditions in which it is carried out. To do so, take the relevant risk analyses into account and consult the safety officer and/or equipment suppliers, if necessary, to make the right choice. In any case, the equipment must comply with the currently applicable CEN standards. Workers using this equipment must have received the required training in the use of the same.

B.- Respiratory protection


The use of protection equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Specific protection for the hands

Pictogram	PPE	Remarks
 Mandatory hand protection	Chemical protection gloves	Replace gloves in case of any sign of damage. For prolonged periods of exposure to the product for professional users/industrials, we recommend using chemical protection gloves

As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability and has therefore to be checked prior to the application.

D.- Eye and face protection

Pictogram	PPE	Remarks
 Mandatory face protection	Safety glasses and/or face shield	Clean daily and disinfect periodically according to the manufacturer's instructions. Use if there is a risk of splashing.

E.- Bodily protection

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES (continued)

Decomposition temperature: Not relevant *
Melting point/freezing point: -48 °C (typical)

Flammability:

Flash Point: >200 °C (ASTM D-92) *It will burn if affected by flames.*
Flammability (solid, gas): Not relevant *
Autoignition temperature: Not relevant *
Lower flammability limit: Not relevant *
Upper flammability limit: Not relevant *

Particle characteristics:

Median equivalent diameter: Non-applicable

9.2 Other information:

Information with regard to physical hazard classes:

Explosive properties: Not relevant *
Oxidising properties: Not relevant *
Corrosive to metals: Not relevant *
Heat of combustion: Not relevant *
Aerosols-total percentage (by mass) of flammable components: Not relevant *

Other safety characteristics:

Surface tension at 20 °C: Not relevant *
Refraction index: Not relevant *

*Not relevant for classification purposes.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:

No hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7 from Safety Data Sheet.

10.2 Chemical stability:

Chemically stable under the indicated conditions of storage, handling and use.

10.3 Possibility of hazardous reactions:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Conditions to avoid:

Applicable for handling and storage at room temperature:

Shock and friction	Contact with air	Increase in temperature	Sunlight	Humidity
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

10.5 Incompatible materials:

Acids	Water	Oxidising materials	Combustible materials	Others
Avoid strong acids	Not applicable	Not applicable	Not applicable	Avoid alkalis or strong bases

10.6 Hazardous decomposition products:

See subsection 10.3, 10.4 and 10.5 to find out the specific decomposition products. Depending on the decomposition conditions, complex mixtures of chemical substances can be released: carbon dioxide (CO₂), carbon monoxide and other organic compounds.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

The product has been classified in accordance with the information contained in the suppliers' SDS and the additional information from tests carried out by said suppliers

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Dangerous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than recommended by the occupational exposure limits, it may result in adverse effects on health depending on the means of exposure:

- A- Ingestion (acute effect): *If ingested it may cause discomfort.*
 - Acute toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for consumption. For more information see section 3
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.
- B- Inhalation (acute effect):
 - Acute toxicity : Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for inhalation. For more information see section 3.
 - Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- C- Contact with the skin and the eyes (acute effect):
 - Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as hazardous for skin contact. For more information see section 3.
 - Contact with the eyes: Produces eye damage after contact.
- D- CMR effects (carcinogenicity, mutagenicity and toxicity to reproduction):
 - Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for the effects mentioned. For more information see section 3.
 - Mutagenicity: Exposure to this product can cause genetic modifications. For more specific information on the possible health effects see section 2.
 - Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- E- Sensitizing effects:
 - Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous with sensitising effects. For more information see section 3.
 - Skin: Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous with sensitising effects. For more information see section 3.
- F- Specific target organ toxicity (STOT) - single exposure:

Harmful effects for health in the case of ingestion, contact with the skin or inhalation after a single exposure, resulting in depression of the central nervous system causing headache, dizziness, vertigo, nausea, vomiting, confusion and, in serious cases, loss of consciousness.
- G- Specific target organ toxicity (STOT)-repeated exposure:
 - Specific target organ toxicity (STOT)-repeated exposure: Serious health effects in the case of prolonged consumption, including death, serious functional disorders or morphological changes of toxicological importance.
 - Skin: Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.
- H- Aspiration hazard:

Based on available data, the classification criteria are not met. However, it does contain substances classified as hazardous for this effect. For more information see section 3.

Other information:

Not relevant

Product-specific toxicological information:

Acute toxicity		Genus
LD50 oral	>5000 mg/kg	
LD50 dermal	>2000 mg/kg	

Specific toxicology information on the substances:

Identification	Acute toxicity		Genus
	LD50 oral	LD50 dermal	
Dec-1-ene, homopolymer, hydrogenated Dec-1-ene, oligomers, hydrogenated CAS: 68037-01-4	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

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SECTION 11: TOXICOLOGICAL INFORMATION (continued)

Identification	Acute toxicity		Genus
	Route	Dose	
Distillates (petroleum), hydrotreated heavy paraffinic, < 3 % IP 346, < 20.5 cSt @ 40°C CAS: 64742-54-7	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rat
	LC50 inhalation	>20 mg/L (4 h)	Rat
Distillates (petroleum), solvent-dewaxed light paraffinic, < 3 % IP 346 CAS: 64742-56-9	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Distillates (petroleum), solvent-dewaxed heavy paraffinic, < 3 % DMSO (> 7 cSt 40°C, < 20.5 cSt 40°C) CAS: 64742-65-0	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Paraffin oils (petroleum), catalytic dewaxed heavy (IP 346 < 3 %, < 20.5 cSt @ 40°C) CAS: 64742-70-7	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	Rabbit
	LC50 inhalation	>20 mg/L	
Lubricating oils (petroleum), C15-30, hydrotreated neutral oil-based, < 3 % DMSO CAS: 72623-86-0	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based (IP 346 < 3 %, < 20.5 cSt @ 40°C) CAS: 72623-87-1	LD50 oral	>5000 mg/kg	Rat
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	
C14-16-18 Alkyl phenol CAS: Non-applicable	LD50 oral	>5000 mg/kg	
	LD50 dermal	>5000 mg/kg	
	LC50 inhalation	>20 mg/L	

SECTION 12: ECOLOGICAL INFORMATION

The experimental information related to the eco-toxicological properties of the product itself is not available

Based on available data, the classification criteria are not met, as it does not contain substances classified as hazardous for this effect. For more information see section 3.

The product has been classified in accordance with the information contained in the suppliers' SDS and the additional information from tests carried out by said suppliers

12.1 Toxicity:

Not available

12.2 Persistence and degradability:

Not available

12.3 Bioaccumulative potential:

Not available

12.4 Mobility in soil:

Not available

Insoluble in water

12.5 Results of PBT and vPvB assessment:

Non-applicable

12.6 Other adverse effects:

Not described

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Disposal methods:

Waste management (disposal and evaluation):

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SECTION 13: DISPOSAL CONSIDERATIONS (continued)

Consult the authorized waste service manager on the assessment and disposal operations. In case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-hazardous residue. Waste should not be disposed of to drains. See epigraph 6.2.

Regulations related to waste management:

Legislation related to waste management:

Refer to national and local regulations on waste management.

SECTION 14: TRANSPORT INFORMATION

Transport of dangerous goods by land:

With regard to Dangerous goods regulations

- | | |
|---|---------------|
| 14.1 UN number: | Not relevant |
| 14.2 UN proper shipping name: | Not relevant |
| 14.3 Transport hazard class(es): | Not relevant |
| Labels: | Not relevant |
| 14.4 Packing group, if applicable: | Not relevant |
| 14.5 Environmental hazard: | No |
| 14.6 Special precautions for user | |
| Physico-Chemical properties: | see section 9 |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: | Not relevant |

Transport of dangerous goods by sea:

With regard to IMDG 41-22:

- | | |
|---|---------------|
| 14.1 UN number: | Not relevant |
| 14.2 UN proper shipping name: | Not relevant |
| 14.3 Transport hazard class(es): | Not relevant |
| Labels: | Not relevant |
| 14.4 Packing group, if applicable: | Not relevant |
| 14.5 Marine pollutant: | No |
| 14.6 Special precautions for user | |
| Special regulations: | Not relevant |
| EmS Codes: | |
| Physico-Chemical properties: | see section 9 |
| Limited quantities: | Not relevant |
| Segregation group: | Not relevant |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: | Not relevant |

Transport of dangerous goods by air:

With regard to IATA/ICAO 2024:

- | | |
|---|---------------|
| 14.1 UN number: | Not relevant |
| 14.2 UN proper shipping name: | Not relevant |
| 14.3 Transport hazard class(es): | Not relevant |
| Labels: | Not relevant |
| 14.4 Packing group, if applicable: | Not relevant |
| 14.5 Environmental hazard: | No |
| 14.6 Special precautions for user | |
| Physico-Chemical properties: | see section 9 |
| 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: | Not relevant |

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SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations specific for the product in question:

- Chemical Substances Control Law: Existing chemical substances: Not relevant
- Deleterious substances - Poisonous and Deleterious Substances Control Law: Not relevant
- Industrial Safety and Health Act: existing chemical substances: Not relevant
- Poisonous substances - Poisonous and Deleterious Substances Control Law: Not relevant
- Specified Poisonous Substances - Poisonous and Deleterious Substances Control Law: Not relevant

Specific provisions in terms of protecting people or the environment:

It is recommended to use the information included in this safety data sheet as data used in a risk evaluation of the local circumstances in order to establish the necessary risk prevention measures for the manipulation, use, storage and disposal of this product.

Other legislation:

PRTR method
Chemical Substances Control Law
Industrial Safety and Health Act
Poisonous and Deleterious Substances Control Law
Law Concerning Prevention of Marine Pollution and Maritime Disasters
Water Pollution Control Law
Export Trade Control Ordinance
Industrial Safety and Health Act
Fire Service Act

SECTION 16: OTHER INFORMATION

Legislation related to safety data sheets:

This safety data sheet has been designed in accordance with JIS Z 7253:2019.

Texts of the legislative phrases mentioned in section 2:

H372: Causes damage to organs through prolonged or repeated exposure.
H341: Suspected of causing genetic defects.
H371: May cause damage to organs.
H320: Causes eye irritation.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes and refer to the individual components which appear in section 3

JIS Z 7252:2019:

Acute Tox. 4: H332 - Harmful if inhaled.
Asp. Tox. 1: H304 - May be fatal if swallowed and enters airways.
Eye Irrit. 2B: H320 - Causes eye irritation.
Muta. 2: H341 - Suspected of causing genetic defects.
Skin Irrit. 3: H316 - Causes mild skin irritation.
Skin Sens. 1B: H317 - May cause an allergic skin reaction.
STOT RE 1: H372 - Causes damage to organs through prolonged or repeated exposure.
STOT RE 2: H373 - May cause damage to organs through prolonged or repeated exposure.
STOT SE 2: H371 - May cause damage to organs.

Advice related to training:

Minimal training is recommended to prevent industrial risks for staff using this product, in order to facilitate their comprehension and interpretation of this safety data sheet, as well as the label on the product.

Principal bibliographical sources:

<http://www.meti.go.jp/>, <http://www.safe.nite.go.jp>

Abbreviations and acronyms:

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Safety data sheet

According to JIS Z 7252:2019 (THIS SDS IS ONLY FOR JAPAN. THE SDS SHALL BE SUPPLIED IN AN OFFICIAL LANGUAGE OF THE COUNTRY WHERE THE PRODUCT IS PLACED ON THE MARKET)

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SECTION 16: OTHER INFORMATION (continued)

ADR: European agreement concerning the international carriage of dangerous goods by road
IMDG: International maritime dangerous goods code
IATA: International Air Transport Association
ICAO: International Civil Aviation Organisation
COD: Chemical Oxygen Demand
BOD5: 5-day biochemical oxygen demand
BCF: Bioconcentration factor
LD50: Lethal Dose 50
CL50: Lethal Concentration 50
EC50: Effective concentration 50
Log-POW: Octanol-water partition coefficient
Koc: Partition coefficient of organic carbon
IARC: International Agency for Research on Cancer
PBT: persistent, bioaccumulative and toxic

The information contained in this safety data sheet is based on sources, technical knowledge and current legislation, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology and conditions for users of this product are not within our awareness or control, and it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use and disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.

END OF SAFETY DATA SHEET

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