

According to REACH Regulation (EC) No. 1907/2006

1) Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: R236fa

Chemical name: 1,1,1,3,3,3-Hexafluoropropane

CAS number: 690-39-1

EC number: 614-909-0

Product type and use: Non-flammable refrigerant, Fire Extinguishing

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

Relevant identified uses: Fire Extinguishing

Uses advised against: Not identified.

1.3. Details of the supplier of the safety data sheet

Supplier address: Cantaş Kimya Sanayi ve Ticaret A.Ş.

Supplier address: Demirciler OSB Mevkii, Gebze V(Kimya) İhtisas OSB, Fatma Börü Caddesi No:5/1
Dilovası/Kocaeli/Türkiye

Phone Number : 0 (212) 910 12 76

Fax Number : 0 (212) 219 30 61

E-mail address : info@cantaskimya.com

Contact Person : Elif Ekinici

1.4. Emergency telephone number

Cantaş Kimya : 0 (212) 910 12 60

National Poison Consultation Center Turkey: 114

Emergency Health Services Turkey: 112

Fire Brigade Turkey : 112

2) Hazards identification

2.1. Classification of the substance or mixture

Classification in accordance with (EC) Regulation 1272/2008

Press. Gas liq.; H280

Specific Target Organ Toxicity -single exposure Category 3 H336

2.2. Label Elements

Label In Accordance with (EC) No. 1272/2008

Hazard pictograms:

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Signal Word: Warning

Hazard Statements:

H280 Contains gas under pressure; may explode if heated.

H336 May cause drowsiness or dizziness.

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE/doctor/... if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P501 Dispose of contents/container to

2.3.Other hazards

High vapor concentrations can cause headaches, dizziness, drowsiness and nausea and may lead to loss of consciousness. It may cause heart rhythm disturbance.

Based on the available data, the product does not contain any PBT (Persistent, Bioaccumulative and Toxic substances) or vPvB (very Persistent and very Bioaccumulative substances) at concentrations exceeding 0.1%

Based on the available data, the product does not contain any endocrine disrupting at concentrations exceeding 0.1%

3) Composition/information on ingredients

3.1. Substances

Product name: R236fa

Chemical name: 1,1,1,3,3,3-Hexafluoropropane

CAS number: 690-39-1

EC number: 614-909-0

Concentration%: min. 99.50%<

Hazard Classes & Codes In Accordance with CLP ((EC) No. 1272/2008): Press. Gas liq.; H280

3.2. Mixtures

Nonapplicable.

4) First aid measures

General information

Get medical help immediately. Show this Safety Data Sheet to healthcare personnel.

4.1. Description of first aid measures

Inhalation: Remove victim from source of contamination. Remove the exposed person to fresh air and keep warm and at rest in a comfortable breathing position. Loosen tight parts of clothing, such as collars, ties or belts. When breathing is difficult, oxygen can be given to the victim by appropriately trained personnel. Place the unconscious person on his side in the first aid position and allow breathing to occur. If you feel unwell, call the NATIONAL POISON CENTER/doctor/physician at 114.

Skin Contact: Wash immediately with plenty of water. Thaw frozen sections with warm water. Do not wipe the affected area. Wash all contaminated clothing and clean shoes before reuse. Get medical help.

Eye Contact: Rinse immediately with plenty of water. Remove any contact lenses and open the eyelids wide. Wash with water for at least 10 minutes.

Ingestion: Do not induce vomiting unless directed by healthcare personnel. Never give anything by mouth to an unconscious person. Get medical help.

Protection of first aid workers

First aid personnel should wear appropriate protective equipment during rescue

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

General information

It may cause drowsiness or dizziness.

For additional information on health hazards, see Section 11. The severity of the symptoms described may vary depending on the concentration and duration of exposure.

Inhalation: Prolonged inhalation of high concentrations may cause damage to the respiratory system.

Ingestion: Due to the physical properties of this product, the risk of ingestion is very low.

Skin contact: Prolonged contact with skin may cause skin dryness.

Eye contact: May cause temporary eye irritation.

4.3.Indications for immediate medical attention and special treatment

Call a POISON CENTRE/doctor/... if you feel unwell.

Treatment:

Apply symptomatic treatment.

5) Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Equipment: Use an extinguishing agent suitable for the surrounding fire.

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The extinguishing equipment should be of the conventional kind: CO₂, foam, powder and water mist.

Unsuitable extinguishing media: Water jet

5.2. Special hazards arising from the substance or mixture

The product is not flammable. Containers can violently explode when heated due to excessive pressure buildup. It can form explosive mixtures with air. Cool exposed containers with a water spray if they are exposed to heat, and if there is no risk, move these containers away from the fire area. Avoid entry into sewers, drains, or water sources of spills or runoff. Vapors are heavier than air and can travel along the ground and accumulate under containers. Vapors are heavy and may cause suffocation by reducing available oxygen for breathing.

Harmful Combustion Products: Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors. Hydrogen fluoride (HF). Carbon dioxide (CO₂). Carbon monoxide (CO). Carbonyl halides. Halogenated compounds.

5.3. Advice for firefighters

Protective measures to be taken during fire extinguishing:

Avoid breathing fire gases or vapors. Clear the area. If there is a risk of water contamination, notify the relevant authorities.

Special protective equipment for firefighters:

Wear self-contained self-contained breathing apparatus with positive pressure and appropriate protective clothing. Firefighter clothing (including helmets, protective boots and gloves) conforming to European standard EN469 will provide a basic level of protection for chemical accidents.

6) Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing dust/fume/gas/mist/vapor/spray.

Use only outdoors or in a well-ventilated area.

Any action should not be taken without proper training or involving personal danger. Keep non-essential and unprotected persons away from spillage. Wear protective clothing as shown in Section 8 of this Safety Data Sheet. For safe handling, take the precautions written in the Safety Data Sheet. Cleanse yourself thoroughly after dealing with a rash. Ensure procedures and emergency training are provided for on-site cleanup and disposal of waste. Do not touch or walk on spilled material. Vapors are heavier than air and can cause asphyxiation by reducing the oxygen available for breathing.

6.2. Environmental precautions

Prevent the liquid from entering sewage, stormwater drains, basements, or working pits, as it can create a vapor-suppressive atmosphere.

6.3. Methods and material for containment and cleaning up

Spill cleanup methods:

According to REACH Regulation (EC) No. 1907/2006

Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Clean up spills immediately and dispose of waste safely. Absorb spillage with non-flammable, absorbent material. Label containers containing waste and contaminated materials and remove them from the area as soon as possible.

Wash the contaminated area with plenty of water. Cleanse yourself thoroughly after dealing with a rash. Do not empty into drains. Soak in vermiculite, dry sand or soil and place in containers.

6.4. Reference to other sections

Retrieve the information related to safe use from the 7th section

For personal protection see section 8.

For waste disposal see section 13.

7) Handling and storage

7.1. Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapor/spray.

Use only outdoors or in a well-ventilated area.

Read and follow the manufacturer's recommendations. Wear protective clothing as shown in Section 8 of this Safety Data Sheet. Keep away from food, drink and animal feed. The container should be kept tightly closed when not in use. Avoid spilling into the aquatic environment. Do not handle broken packages without protective equipment. Avoid breathing vapors and spray/mists. Pressurized container: Do not pierce or burn, even after use. It may form a flammable mixture with air at pressures above atmospheric pressure. Do not mix with oxygen or air above atmospheric pressure. Eliminate all sources of ignition.

Advice on general occupational hygiene

If skin becomes dirty, wash immediately. Take off and re-wear contaminated clothing.

Wash before use. Wash contaminated clothing before reuse. Do not eat, drink or smoke while using this product. Wash your hands at the end of each shift and before eating, smoking and going to the toilet. Change work clothes every day before leaving the workplace. Do not take contaminated clothing out of the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep away from incompatible substances (see Section 10). Store only in its original container. Hold horizontally designed tubes/drums/tanks horizontally and vertically designed tubes/drums/tanks upright. Protect containers from damage. In case of spillage, dam storage facilities to prevent soil and water contamination.

Do not crush, cut, weld, puncture, grind, or expose containers to heat or sources of ignition.

Store in a well-ventilated area. Keep container tightly closed.

Keep under lock and key.

Protect from sunlight. Store in a well-ventilated area.

Storage class: Storage of various hazardous substances.

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7.3. Specific end use(s)

See section 1.2.

8) Exposure controls/personal protection

8.1. Control parameters

Threshold Limit Value (TWA 8-hour): 1.644 mg/m³ , 300 ppm.

8.2. Exposure controls

General protective health and sanitary measures: Provide eye wash stations and safety showers. Do not take contaminated clothing outside the workplace. Wash contaminated clothes before reuse. Clean equipment and work areas daily. Implement good personal hygiene procedures. Wash hands at the end of each shift, before meals, without smoking or using the restroom. Avoid eating, drinking, and smoking during use. Conduct preventive industrial medical examinations. Warn cleaning personnel about the hazardous properties of the product.

Personal protective equipment:



Respiratory Protection:

If the risk assessment indicates the possibility of inhaling air pollution, use respiratory protection compliant with an approved standard. Ensure that all respiratory protective equipment is suitable for the intended use and marked with 'CE'. Pay attention to the proper fit of the respiratory device, and replace the filter regularly. Gas filters and combined filter cartridges should comply with the TS/EN 14387 Standard. Full-face masks with replaceable filter cartridges should comply with the TS/EN 136 Standard. Half or quarter-face respiratory devices with replaceable filter cartridges should comply with the TS/EN 140 Standard.

Eye Protection:

If the risk assessment indicates the possibility of eye contact, use eye protection compliant with an approved standard. Personal protective equipment used for eye and face protection should comply with the TS/EN 166 Standard. Unless the risk assessment indicates the need for higher-level protection, use tight-fitting safety glasses.

Skin Protection:

If the risk assessment suggests possible contamination of the skin, wear appropriate shoes and additional protective clothing compliant with an approved standard.

Hand Protection:

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If the risk assessment indicates possible skin contact, use chemical-resistant, waterproof gloves compliant with an approved standard. Choose the most suitable gloves by consulting with the glove distributor/manufacturer, who can provide information about the puncture resistance of the glove material. Gloves should comply with the TS/EN 374 Standard for protecting hands against chemicals. Check regularly throughout use if the gloves maintain their protective properties according to the information provided by the glove manufacturer. Replace gloves promptly if any deterioration is detected. It is recommended to change gloves frequently.

Thermal Risks:

Not applicable.

Environmental Exposure Controls:

Containers should be tightly closed when not in use. Refer to Section 7 and Section 13.

Engineering Controls:

Ensure adequate ventilation. Personal, workplace, or biological monitoring may be necessary to determine the effectiveness of ventilation or the need for other control measures and/or the use of respiratory protective equipment. Implement primary methods of process protection, local exhaust ventilation, and other technical controls to minimize employee exposure. If employee exposure cannot be adequately controlled with technical control measures, use personal protective equipment. Ensure regular inspection and maintenance of control measures. Provide training for operators to minimize exposure. Adequate ventilation facilities should be available.

9) Physical and chemical properties

9.1. Information on basic physical and chemical properties

Property	Value
(a) Physical state	Liquefied Gas
(b) Colour	Colorless
(c) Odour	Slight ether like odor
(d) Melting point/freezing point	-117 °C
(e) Boiling point or initial boiling point and boiling range	-24,7 °C
(f) Flammability	Information not available
(g) Lower and upper explosion limit (7)	Upper flammability/explosion limit: 18 % Lower flammability/explosion limit: 3.7 %
(h) Flash point	-50 °C Open Cup
(i) Auto-ignition temperature	Information not available
(j) Decomposition temperature	Information not available

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(k) pH	Information not available
(l) 1) Viscosity	Information not available
(l) 2) Kinematic viscosity	Information not available
(m) Solubility	0,724 g/l Water (20°C)
(n) Partition coefficient n-octanol/water (log value)	log Pow: 1,12 (20°C)
(o) Vapour pressure	4550 mm Hg @ 25°C
(p) Density and/or relative density	1,36 g/cm ³ @25 °C
(q) Relative vapour density	Information not available
(r) Explosive Properties	The product is not explosive. But it contains pressurized gas; It may explode when heated

9.2. Other Information

Property	Value
Molecular Weight:	152,04 g/mol

9.2.1. Information with regard to physical hazard classes

H280 Contains gas under pressure; may explode if heated.

9.2.2. Other safety characteristics

Information not available.

10) Stability and reactivity

10.1. Reactivity

For more detailed information, please refer to other sections of this part.

10.2. Chemical stability

Stable under normal temperature, conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

These substances can react with the product: Strong oxidizing agents.

10.4. Conditions to avoid

Storage: Avoid exposing to high temperatures or direct sunlight. Do not expose to temperatures exceeding 50°C/122°F. Avoid exposing to pressures above atmospheric pressure, as it may form a flammable mixture with air. Do not mix with oxygen or air above atmospheric pressure.

10.5. Incompatible materials

Avoid contact with strong oxidizing agents.

10.6. Hazardous decomposition products

When used and stored under recommended conditions, there is no decomposition.

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Hydrogen fluoride may be released through thermal decomposition and hydrolysis.

Thermal decomposition and combustion products may also include carbon dioxide (CO₂) and carbon monoxide (CO) gases.

11) Toxicological information

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

a) Acute toxicity

Based on available information, it does not meet the classification criteria.

Acute toxicity – oral :Notes (oral LD₅₀)

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

LD₅₀ >457000 ppm, Oral, Rat

Acute toxicity – dermal: Notes (dermal LD₅₀)

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

LD₅₀ >457000 ppm, Dermal, Rat

Acute toxicity – inhalation: Remarks (inhalation LC₅₀)

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

LC₅₀ >457000 ppm, 4 hours, Gas. Rat

LC₅₀ > 457000 ppm, 4 hours, Gas. Mouse

b) Skin corrosion/irritation;

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

c) Serious eye damage/irritation

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

d) Respiratory or skin sensitisation

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

e) Germ cell mutagenicity

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Genotoxicity - in vitro

Ames test: Negative

micro nucleus assay: Negative

f) Carcinogenicity

Not classified.

According to REACH Regulation (EC) No. 1907/2006

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

IARC carcinogenicity: None of the components have been listed or exempted.

g) Reproductive toxicity

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

h) Single Target Organ Toxicity-Single Exposure

Specific Target Organ Toxicity Single Exposure Category 3 H336

Application not available.

i) Single Target Organ Toxicity- Repeated Exposure

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

NOAEL (No Observed Adverse Effect Level): 500 ppm, 28 days, Rat

j) Aspiration hazard.

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Application not available.

11.2. Information on other hazards:

General information: The severity of the symptoms described may vary depending on the concentration and duration of exposure.

Inhalation: May cause cardiac arrhythmia.

Ingestion: Due to the physical properties of this product, the risk of ingestion is very low.

Skin contact: In contact with skin, the spray evaporates and cools quickly; may cause frostbite or frostbite.

Eye contact: Contact with the liquid form may cause frostbite.

Routes of contact: Inhalation Skin and/or eye contact.

Target organs: There are no specific target organs known.

12) Ecological information

Ecotoxicity: Not considered hazardous to the environment. However, large or frequent spills may have harmful effects on the environment.

12.1. Toxicity

Not classified.

Mixture does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008

Acute toxicity - fish

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LC₅₀, 96 hours: >292 mg/l, *Oncorhynchus mykiss* (Rainbow trout) NOEC, 3 days: 186 mg/l,
Oncorhynchus mykiss (Rainbow trout)

Acute toxicity - aquatic invertebrates

EC₅₀, 48 hours: >299 mg/l, *Daphnia magna* (*Daphnia*) NOEC, 96 hours: >186 mg/l,
Pseudokirchneriella subcapitata

Acute toxicity - aquatic plants

Growth inhibition test, EC₅₀, : >118 mg/l, Algae (OECD Guide 201)

12.2. Persistence and degradability

Information not available

12.3. Bioaccumulative potential

Bioaccumulation is not expected.

Distribution coefficient Log Pow: 1.12

The product is more soluble in octanol.

12.4. Mobility in soil

Information not available

The potential for mobility in soil is moderate

12.5. Results of PBT and vPvB assessment

Based on the available data the product does not contain %0,1 or more PBT and vPvB components.

12.6. Endocrine disrupting properties

Based on the available data the product does not contain substances listed in the Endocrine disruptor assessment list

12.7. Other adverse effects

Global warming potential (GWP): 120

Climate warming potential.

13) Disposal considerations

13.1. Waste treatment methods

General Information:

Waste generation should be minimized, or waste generation should be avoided wherever possible. Preferably, the best recovery and recycling practices should be employed. The disposal of this product, process solutions, residues, and by-products should always comply with environmental protection requirements, waste disposal regulations, and the requirements of local authorities. During the handling of wastes, safety measures applied for the product should be considered. Empty containers or residues left in layers can potentially pose hazards.

Waste treatment methods:

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Do not discharge into sewers. Residues and non-recyclable products, if disposal is not possible, should be handled with the assistance of a licensed waste disposal facility capable of absorbing and neutralizing acid gases and other toxic processing products. Wastes, residues, empty containers, discarded work clothing, and contaminated cleaning materials should be collected in designated appropriate containers and labeled according to their contents. Waste packaging should be collected for reuse or recycling.

14) Transport information



14.1. UN number or ID number:

UN No. (ADR/RID): 3163

UN No. (IMDG): 3163

UN No. (ICAO): 3163

UN No. (ADN): 3163

14.2. UN proper shipping name:

Proper shipping name (ADR/RID): LIQUEFIED GAS, N.O.S. (1,1,1,3,3,3-HexaFluoropropane)

Proper shipping name (IMDG): LIQUEFIED GAS, N.O.S. (1,1,1,3,3,3-HexaFluoropropane)

Proper shipping name (ICAO): LIQUEFIED GAS, N.O.S. (1,1,1,3,3,3-HexaFluoropropane)

Proper shipping name (ADN): LIQUEFIED GAS, N.O.S. (1,1,1,3,3,3-HexaFluoropropane)

14.3. Transport hazard class(es):

ADR/RID class: 2.2

ADR/RID classification code: 2A

ADR/RID label: 2.2

IMDG class: 2.2

ICAO class/division: 2.2

ADN class: 2.2

14.4. Packing group: Not applicable.

14.5. Environmental hazards: Non-hazardous.

Marine Pollutant: No.

14.6. Special precautions for user:

EmS: F-C, S-V

ADR shipping category: 3

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Emergency action code: 2TE

Hazard identification number (ADR/RID): 20

Tunnel restriction code: (C/E)

14.7. Maritime transport in bulk according to IMO instruments:

Information not available

15) Regulatory information

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

REACH (Registration, Evaluation, Authorisation, and Restriction of Chemicals) Regulation (EC) No. 1907/2006

CLP (Classification, Labelling, and Packaging) Regulation (EC) No. 1272/2008

Seveso Directive (Directive 2012/18/EU)

Waste Framework Directive (Directive 2008/98/EC)

Regulation on Persistent Organic Pollutants (Regulation (EU) 2019/1021)

Biocidal Products Regulation (EU) No 528/2012

EC Commission Directive (EU) 2000/39/EC dated 8 June 2000.

Regulation (EU) on fluorinated greenhouse gases (Regulation (EU) 517/2014)

Adhere to the national sanitary and occupational safety regulations when using this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16) Other information

16.1 Revisions

Not applicable.

16.2 Abbreviations and Acronyms

REACH: EU Directive No. 1907/2006 on Registration, Evaluation, Authorisation, and Restriction of Chemicals,

CLP: Directive No. 1272/2008 "Classification, Labeling and Packaging of Substance and Mixtures" published in the EU,

SDS: Safety Data Sheet

CAS: Chemical Abstracts Service (followed by a number specific to the chemical)

EC: European Commission (followed by a number specific to the chemical)

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H-statements: Hazard Statements

P-statements: Precautionary Statements

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

RID: Regulation concerning the International Carriage of Dangerous Goods by Rail

IMDG: International Maritime Dangerous Goods code

IATA: International Air Transport Association Dangerous Goods Regulations

PPE: Personal Protective Equipment

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ADN: European Agreement on the international transport of dangerous goods by waterways.

RID: European Agreement on the international transport of dangerous goods by rail.

ICAO-TI: International Civil Aviation Organization - Technical Instructions, Technical instructions for the international transportation of dangerous goods by air.

CAS number: Chemical Theory Service registration numbers are single descriptive numbers used for chemical compounds, polymers, biological sequences, mixtures and alloys.

DNEL: Derived chemical exposure level to which humans should not be exposed (Derived No-Effect Level)

EC number: The number given by the European Commission according to the structural characteristics of the substance,

EC50: The concentration at which the effect is observed in 50% of the test organisms; Effect concentration

LC50: The concentration at which death is observed in 50% of the test organisms; Deadly concentration. (Lethal Concentration)

LD50: The dose at which death is observed in 50% of the test organisms; Lethal dose. (Lethal Dose)

LOEC: Lowest Observed Effect Concentration

LOAEC: Lowest Observed Adverse Effect Concentration

LOEL: Lowest Observed Effect Level

LOAEL: Lowest Observed Adverse Effect Level

MARPOL 73/78: International Convention for the Prevention of Pollution of the Seas from Ships, signed in 1973 and amended in 1978 Contract. (Derived from the English term Marine Pollution.)

NIOSH: US National Institute for Occupational Safety and Health

NOEC: No Observed Effect Concentration

NOAEC: Concentration where no adverse effects are observed (No Observed Adverse Effect Concentration)

NOEL: No Observed Effect Level

NOAEL: Level where no adverse effects are observed (No Observed Adverse Effect Level)

PBT: Persistent, Bioaccumulate and Toxic

vPvB: Very persistent and very bioaccumulative (Very Persistent, Bioaccumulate and Toxic)

PNEC: Predicted No-Effect Concentration.

SED: Systemic exposure dose, the amount of the component expected to pass into the bloodstream in mg/kg body weight/day (Systemic exposure dose).

STEL: Time-weighted average exposure limit value determined based on 15 minutes of exposure, unless another period is specified. Short Term Exposure Limit

TWA: Time-weighted average, a limit value that is accepted to not adversely affect the health of employees, determined on the basis of 8 hours a day and 40 hours a week

16.3 Relevant hazard statements and/or precautionary statements (If not stated above)

Hazard Statements:

H280 Contains gas under pressure; may explode if heated.

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H336 May cause drowsiness or dizziness.

Precautionary Statements:

P261 Avoid breathing dust/fume/gas/mist/vapours/ spray.

P271 Use only outdoors or in a well-ventilated area.

P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P312 Call a POISON CENTRE/doctor/... if you feel unwell.

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up.

P410+P403 Protect from sunlight. Store in a well-ventilated place.

P501 Dispose of contents/container to

16.4 Other Information

The form has been prepared by an expert in accordance with the rules specified in latest 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), by an expert stated on Annex-XVIII of the Turkish Regulation on Registration, Evaluation, Authorization and Restriction of Chemicals (Official Gazette Date: 23.06.2017, Official Gazette Number: 30105 Duplicate) who has received a competence certificate from an organization accredited by the Turkish Accreditation Agency (TURKAK) for personnel certification in chemical assessment.

The information contained in this document is based on our knowledge declared on the above-mentioned date. It refers to the single product only and does not carry a particular quality guarantee.

It is the user's responsibility to ensure the appropriateness of this information and to complete it in the indicated suitable manner.

This MSDS replaces or cancels the previous one.

The information in this document should be kept and made readily accessible by the supplier for a period of 10 years.

Prepared by: Yusuf Melek

Chemical Assessment Expert

Certificate Number: NBC/04.24.02

Certificate Date: 12.07.2023

Certificate Validity Date: 12.07.2028

UNSPED CUSTOMS CONSULTANCY

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