

Safety data sheet

acc. (EC) 1907/2006, as amended by UK SI 2019/758

Printing date 03.04.2023

Version number 1

Revision: 03.04.2023

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

· 1.1 Product identifier

· Trade name: **TREMCO RW250**

· MSDS code: W-T-RW250

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

Only for trade users / technical specialists

· **Application of the substance / the mixture** Adhesives

· 1.3 Details of the supplier of the safety data sheet

· Manufacturer/Supplier:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

Tel: +44 (0) 1942251400, Fax: +44 (0) 1942251410

msds@cpg-europe.com

· Further information obtainable from:

Tremco CPG UK Ltd

Coupland Road, Hindley Green, Wigan, WN2 4HT

T: +44 (0) 1942251400, F: +44 (0) 1942251410

www.cpg-europe.com, info.uk@cpg-europe.com

· 1.4 Emergency telephone number:

During office hours tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 (England/Wales/Scotland), your local GP/pharmacist (NI), 01 809 2166 (ROI), or otherwise to contact a doctor.

SECTION 2: Hazards identification

· 2.1 Classification of the substance or mixture

· Classification according to Regulation (EC) No 1272/2008

Aerosol 2 H223-H229 Flammable aerosol. Pressurised container: May burst if heated.

Skin Irrit. 2 H315 Causes skin irritation.

Eye Irrit. 2 H319 Causes serious eye irritation.

Resp. Sens. 1 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.

Skin Sens. 1 H317 May cause an allergic skin reaction.

Carc. 2 H351 Suspected of causing cancer.

STOT SE 3 H335 May cause respiratory irritation.

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

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· Hazard pictograms

GHS02 GHS07 GHS08

· Signal word Danger**· Contains:**

diphenylmethanediisocyanate, isomers and homologues
 4,4'-methylenediphenyl diisocyanate
 2,2'-methylenediphenyl diisocyanate
 o-(p-isocyanatobenzyl)phenyl isocyanate

· Hazard statements

H223-H229 Flammable aerosol. Pressurised container: May burst if heated.
 H315 Causes skin irritation.
 H319 Causes serious eye irritation.
 H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
 H317 May cause an allergic skin reaction.
 H351 Suspected of causing cancer.
 H335 May cause respiratory irritation.
 H373 May cause damage to organs through prolonged or repeated exposure.

· Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P211 Do not spray on an open flame or other ignition source.
 P251 Do not pierce or burn, even after use.
 P271 Use only outdoors or in a well-ventilated area.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P284 In case of inadequate ventilation wear respiratory protection.
 P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· Supplemental information:

EUH066 Repeated exposure may cause skin dryness or cracking.
 As from 24 August 2023 adequate training is required before industrial or professional use.

· feica.eu/PUinfo:

**· 2.3 Other hazards****· Results of PBT and vPvB assessment**· **PBT:** Not applicable.

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· **vPvB:** Not applicable.**SECTION 3: Composition/information on ingredients**· **3.2 Mixtures**· **Description:** Active substance with propellant· **Dangerous components:**

CAS: 9016-87-9 NLP: 500-079-6	diphenylmethanediisocyanate, isomers and homologues Resp. Sens. 1B, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1B, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	50-<75%
CAS: 101-68-8 EINECS: 202-966-0 Reg.nr.: 01-2119457014-47-xxxx	4,4'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	20-<30%
CAS: 75-37-6 EINECS: 200-866-1	1,1-difluoroethane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	5-<10%
CAS: 6425-39-4 EINECS: 229-194-7	2,2'-dimorpholinodiethylether Eye Irrit. 2, H319	1-<5%
CAS: 2536-05-2 EINECS: 219-799-4 Reg.nr.: 01-2119927323-43-xxxx	2,2'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	0.1-<1%

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CAS: 3033-62-3 EINECS: 221-220-5	Bis(dimethylaminoethyl)ether Acute Tox. 3, H311; Skin Corr. 1B, H314; Acute Tox. 4, H302; Acute Tox. 4, H332	0.1-<1%
CAS: 5873-54-1 EINECS: 227-534-9	o-(p-isocyanatobenzyl)phenyl isocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 5 % Eye Irrit. 2; H319: C ≥ 5 % Resp. Sens. 1; H334: C ≥ 0.1 % STOT SE 3; H335: C ≥ 5 %	0.1-<1%

· **EU SVHC** see Section 15· **GB SVHC** see Section 15· **Additional information:**

For the wording of the listed hazard phrases refer to section 16.

While curing the following substances are formed and released by a reaction with atmospheric humidity:

Carbon dioxide (CO₂)**SECTION 4: First aid measures**· **4.1 Description of first aid measures**· **General information:**

Take affected persons out of danger area and lay down.

In case of accident or if you feel unwell, seek medical advice (show this safety data sheet if possible).

· **After inhalation:**

Supply fresh air or oxygen; call for doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Immediately remove all soiled and contaminated clothing

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** Do not induce vomiting; call for medical help immediately.· **Information for doctor:** No further relevant information available.· **4.2 Most important symptoms and effects, both acute and delayed**

May cause allergy or asthma symptoms or breathing difficulties if inhaled.

May cause an allergic skin reaction.

Irritating to eyes, respiratory system and skin.

Repeated exposure may cause skin dryness or cracking.

Vapours may cause drowsiness and dizziness.

Vapours have narcotic effect.

Nausea

May cause damage to organs through prolonged or repeated exposure.

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Suspected of causing cancer.

· **Hazards** No further relevant information available.· **4.3 Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**· **Suitable extinguishing agents:**CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.· **For safety reasons unsuitable extinguishing agents:** Water with full jet· **5.2 Special hazards arising from the substance or mixture**

Pressurised container: May burst if heated.

Fumes can combine with air to form an explosive mixture.

Formation of toxic gases is possible during heating or in case of fire.

Carbon monoxide (CO)

Carbon dioxide (CO₂)· **5.3 Advice for firefighters**· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

· **Additional information**

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**

Wear protective equipment. Keep unprotected persons away.

Ensure adequate ventilation.

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

· **6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.

Keep contaminated washing water and dispose of appropriately.

Inform respective authorities in case of seepage into water course or sewage system.

· **6.3 Methods and material for containment and cleaning up:**

Ensure adequate ventilation.

Dispose of contaminated material as waste according to Section 13.

· **6.4 Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

Do not handle until all safety precautions have been read and understood.
 The usual precautionary measures are to be adhered to when handling chemicals.
 Ensure good ventilation/exhaustion at the workplace.
 Avoid contact with the eyes and skin.
 Do not eat, drink, smoke or sniff while working.
 Wash contaminated clothing before reuse.

Information about fire - and explosion protection:

Extremely flammable aerosol.
 Pressurised container: May burst if heated.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Protect against electrostatic charges.
 Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
 Do not spray onto a naked flame or any incandescent material.
 Use explosion-proof apparatus / fittings and spark-proof tools.

7.2 Conditions for safe storage, including any incompatibilities

Storage:

Requirements to be met by storerooms and receptacles:

Store in a cool location.
 Observe official regulations on storing packagings with pressurised containers.

Information about storage in one common storage facility:

Protect from heat and direct sunlight.
 Store away from oxidising agents.

Further information about storage conditions:

Keep container tightly sealed.
 Store in cool, dry conditions in well sealed receptacles.
 Storage temperature: +10°C to +25°C

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

WEL	Short-term value: 0.07 mg/m ³ Long-term value: 0.02 mg/m ³ Sen; as -NCO
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CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

WEL Short-term value: 0.07 mg/m³
 Long-term value: 0.02 mg/m³
 Sen; as -NCO

· PNECs**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

PNEC 1 mg/L (fresh water)
 1 mg/L (sewage treatment plant)
 10 mg/L (intermittent release)
 0.1 mg/L (salt water)
 PNEC 1 mg/kg (soil)

CAS: 6425-39-4 2,2'-dimorpholinodiethylether

PNEC 0.1 mg/L (fresh water) (assessment factors)
 100 mg/L (sewage treatment plant) (assessment factors)
 1 mg/L (intermittent release) (assessment factors)
 0.01 mg/L (marine) (assessment factors)
 PNEC 1.58 mg/kg (soil) (equilibrium partitioning)
 0.82 mg/kg (sediment (salt water)) (equilibrium partitioning)
 8.2 mg/kg (sediment (fresh water)) (equilibrium partitioning)
 10 mg/kg (secondary poisoning) (assessment factors)

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

PNEC 1 mg/L (fresh water)
 1 mg/L (sewage treatment plant)
 10 mg/L (intermittent release)
 0.1 mg/L (salt water)
 PNEC 1 mg/kg (soil)

· Ingredients with biological limit values:**CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate**

BMGV 1 µmol creatinine/mol
 Medium: urine
 Sampling time: At the end of the period of exposure
 Parameter: isocyanate-derived diamine

CAS: 2536-05-2 2,2'-methylenediphenyl diisocyanate

BMGV 1 µmol creatinine/mol
 Medium: urine
 Sampling time: At the end of the period of exposure
 Parameter: isocyanate-derived diamine

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CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

BMGV	1 µmol creatinine/mol Medium: urine Sampling time: At the end of the period of exposure Parameter: isocyanate-derived diamine
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- **Additional information:**

The lists valid during the making were used as basis.
HSE EH40/2005 Workplace Exposure Limits (as amended)

- **8.2 Exposure controls**

- **Individual protection measures, such as personal protective equipment**

- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.
Immediately remove all soiled and contaminated clothing
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
Do not eat, drink, smoke or sniff while working.
Take off immediately all contaminated clothing and wash it before reuse.

- **Respiratory protection:**

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Take note of emission threshold.
Do not breathe vapour/spray.
Ensure good ventilation/exhaustion at the workplace.



Self-contained respiratory protective device.

For further guidance,
please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide".

- **Hand protection**



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

- **Material of gloves**

Impervious gloves
Butyl rubber, BR
Nitrile rubber, NBR
Fluorocarbon rubber (Viton)

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

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- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye/face protection**



Tightly sealed goggles

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

· Physical state	Aerosol
· Colour:	Amber coloured
· Odour:	Characteristic
· Melting point/freezing point:	Undetermined.
· Flammability	Highly flammable.
· Lower and upper explosion limit	
· Lower:	0.6 Vol %
· Upper:	1.3 Vol %
· Flash point:	Not applicable, as aerosol.
· Ignition temperature:	200 °C
· Viscosity:	
· Kinematic viscosity at 40 °C	>20.5 mm ² /s
· Solubility	
· water:	Immiscible / difficult to mix.
· Vapour pressure at 20 °C:	0 hPa
· Density and/or relative density	
· Density at 20 °C:	>1.1 g/cm ³

- **9.2 Other information**

- **Appearance:**

- **Form:** Aerosol

- **Important information on protection of health and environment, and on safety.**

- **Auto-ignition temperature:**

Product is not selfigniting.

- **Explosive properties:**

Product is not explosive. However, formation of explosive air/vapour mixtures are possible.

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· Solvent content:	
· VOC (EU)	≤431 g/l
· Evaporation rate	Not applicable.
· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

SECTION 10: Stability and reactivity

- **10.1 Reactivity** Stable
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions**
Reacts with water and acids.
Reacts with oxidising agents.
Danger of bursting.
- **10.4 Conditions to avoid**
Water / moisture.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:**
In case of fire, the following can be released:
Carbon monoxide and carbon dioxide
Formation of toxic gases is possible during heating or in case of fire.

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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.

LD/LC50 values relevant for classification:		
Inhalative	ATE	31.34 mg/l /Vapours (unknown) 9.62 mg/l /Dusts/Mist (n.a.)

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

Oral	LD50	>10,000 mg/kg (rat)
Dermal	LD50	>10,000 mg/kg (rabbit)
Inhalative	LC50/4 h	1.5 mg/L (rat)

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

Oral	LD50	>15,000 mg/kg (rat)
Inhalative	LC50/1 h	11 mg/L (rat)

CAS: 75-37-6 1,1-difluoroethane

Inhalative	LC50/4 h	977 mg/L (mouse)
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CAS: 6425-39-4 2,2'-dimorpholinodiethylether

Oral	LD50	2,025 mg/kg (rat)
Dermal	LD50	3,038 mg/kg (rabbit)

CAS: 5873-54-1 o-(p-isocyanatobenzyl)phenyl isocyanate

Oral	LD50	>9,400 mg/kg (rabbit) (OECD 402) >2,000 mg/kg (rat)
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- **Skin corrosion/irritation** Causes skin irritation.
- **Serious eye damage/irritation**
Causes serious eye irritation.
Irritating to eyes.
- **Respiratory or skin sensitisation**
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
- **Carcinogenicity** Suspected of causing cancer.
- **STOT-single exposure** May cause respiratory irritation.
- **STOT-repeated exposure** May cause damage to organs through prolonged or repeated exposure.
- **Additional toxicological information:**
Irritating to eyes, respiratory system and skin.
In addition to local irritant manifestations, there is a narcotic effect when inhaling high concentrations, with the danger of central respiratory arrest.
Harmful: danger of serious damage to health by prolonged exposure through inhalation.
Nausea

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· **11.2 Information on other hazards**

· **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

LC0/96 h >1,000 mg/L (brachydanio rerio)

EC50/24 h >1,000 mg/L (daphnia magna)

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

LC50/96 h >1,000 mg/L (brachydanio rerio)

LC50/24 h >500 mg/L (brachydanio rerio)

EC50 >100 mg/L (daphnia magna)

EC50/24 h >1,000 mg/L (daphnia magna)

EC50/72 h >1,640 mg/L (desmodesmus subspicatus)

CAS: 6425-39-4 2,2'-dimorpholinodiethylether

LC50/96 h 2,150 mg/L (fish) (OECD 203)

EC50/48 h >100 mg/L (daphnia magna) (OECD 202)

· **12.2 Persistence and degradability** No further relevant information available.

· **12.3 Bioaccumulative potential** No further relevant information available.

· **12.4 Mobility in soil**

Insoluble.

Volatile

· **12.5 Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **12.6 Endocrine disrupting properties**

The product does not contain substances with endocrine disrupting properties.

· **12.7 Other adverse effects**

· **Ecotoxicological effects:**

CAS: 9016-87-9 diphenylmethanediisocyanate, isomers and homologues

NOEC/21 d >10 mg/L (daphnia magna)

CAS: 101-68-8 4,4'-methylenediphenyl diisocyanate

NOEC/21 d >10 mg/L (daphnia magna)

· **Other information:**

CAS 75-37-6 1,1-difluoroethane GWP 124

22ltr contains CO2 equivalent 0.248kg of 1,1-Difluoroethane (2.0kg 1,1-Difluoroethane)

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- **Additional ecological information:**

- **General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

- **European waste catalogue**

08 05 01*	waste isocyanates
HP3	Flammable
HP4	Irritant - skin irritation and eye damage
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP7	Carcinogenic
HP13	Sensitising

- **Uncleaned packaging:**

- **Recommendation:** Dispose of packaging according to regulations on the disposal of packagings.

SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, IMDG, IATA** UN3501

- **14.2 UN proper shipping name**

- **ADR** 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a))
- **IMDG, IATA** CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a))

- **14.3 Transport hazard class(es)**

- **ADR**



- **Class** 2 8F Gases.

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· Label	2.1
· IMDG, IATA	
	
· Class	2 Gases.
· Label	2.1
· 14.4 Packing group	
· ADR, IMDG, IATA	Void
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: cyclohexane
· 14.6 Special precautions for user	Warning: Gases.
· EMS Number:	F-D,S-U
· Stowage Category	D
· Stowage Code	SW2 Clear of living quarters.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	B/D
· IMDG	
· Limited quantities (LQ)	0
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 3501 CHEMICAL UNDER PRESSURE, FLAMMABLE, N.O.S. (1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152A)), 2.1

SECTION 15: Regulatory information

- **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
 HSE EH40/2005 Workplace Exposure Limits (as amended)
 Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015)
 "GB- CLP" UK SI 2019 No. 720 The Chemicals (Health and Safety) and Genetically Modified Organisms (Contained Use) (Amendment etc.) (EU Exit) Regulations 2019

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acc. (EC) 1907/2006, as amended by UK SI 2019/758

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"UK- REACH" UK SI 2019 No. 758 The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019
 The Endocrine Disruptor Lists I, II, III (www.edlists.org)

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **Seveso category**
 E1 Hazardous to the Aquatic Environment
 P3a FLAMMABLE AEROSOLS
- **Qualifying quantity (tonnes) for the application of lower-tier requirements** 100 t
- **Qualifying quantity (tonnes) for the application of upper-tier requirements** 200 t
- **REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 3, 56a, 56b, 56c, 74

· **DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

· **REGULATION (EU) 2019/1148**

· **Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))**

None of the ingredients is listed.

· **Annex II - REPORTABLE EXPLOSIVES PRECURSORS**

None of the ingredients is listed.

· **Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

· **Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

· **National regulations:**

· **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

· **Other regulations, limitations and prohibitive regulations** No further relevant information available.

· **Substances of very high concern (SVHC) according to EU REACH, Article 57** Not applicable.

· **Substances of very high concern (SVHC) according to UK REACH** Not applicable.

· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H302 Harmful if swallowed.

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- H311 Toxic in contact with skin.
- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H351 Suspected of causing cancer.
- H373 May cause damage to organs through prolonged or repeated exposure.
- EUH204 Contains isocyanates. May produce an allergic reaction.

Department issuing SDS:

Prepared and verified in accordance with Annex II, Part A, 0.2.3. of "UK- REACH" UK SI 2019 No. 758
The UK REACH etc. (Amendment etc.) (EU Exit) Regulations 2019

Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
 IMDG: International Maritime Code for Dangerous Goods
 IATA: International Air Transport Association
 GHS: Globally Harmonised System of Classification and Labelling of Chemicals
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 VOC: Volatile Organic Compounds (USA, EU)
 PNEC: Predicted No-Effect Concentration (UK REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 SVHC: Substances of Very High Concern
 vPvB: very Persistent and very Bioaccumulative
 Flam. Gas 1A: Flammable gases – Category 1A
 Aerosol 2: Aerosols – Category 2
 Press. Gas (Comp.): Gases under pressure – Compressed gas
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Corr. 1B: Skin corrosion/irritation – Category 1B
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
 Resp. Sens. 1: Respiratory sensitisation – Category 1
 Resp. Sens. 1B: Respiratory sensitisation – Category 1B
 Skin Sens. 1: Skin sensitisation – Category 1
 Skin Sens. 1B: Skin sensitisation – Category 1B
 Carc. 2: Carcinogenicity – Category 2
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

GB