Repaplast Cleaner Antistatic 500 ml

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 4/10/2005 Last revision: 15/02/2023 Supersedes version of: 21/12/2022 Version: 9.0

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

1.1. Product identifier

Product form : Mixture

Name : Repaplast Cleaner Antistatic 500 ml

Product number : 04.0163.9999

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

Relevant identified uses

Main use category : Industrial use,Professional use

Use of the substance or preparation : Extremely safe and efficient cleaner for antistatic degreasing and pre-cleaning of the most common plastics prior to repair or further treatment.

1.3. Details of the supplier of the safety data sheet

PCS Innotec International NV
Schans 4
BE - 2480 Dessel
T.: +32 (0) 14 32 60 01
F.: +32 (0) 14 32 60 12
hse@innotec.eu

Distributor:
Innotec Supplies Ltd.
Unit 25 Glenmore Business Park,
Telford RD
UK - SP2 7GL Salisbury, Wiltshire
T.: +44 (0)1722411744
info@innotecworld.com

1.4. Emergency telephone number

24h/24h (Telephone advice: English, French, German, Dutch):
BIG : +32 (0) 14 58 45 45

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Aerosol 1	H222;H229
Skin Irrit. 2	H315
Eye Irrit. 2	H319
STOT SE 3	H336
Asp. Tox. 1	H304
Aquatic Chronic 2	H411

Full text of hazard classes, H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

Warning! Pressurized container. Has a narcotizing effect.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Danger

Contains : Propan-2-ol; Acetone; Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Hazard statements (CLP) : H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
H315 - Causes skin irritation.
H319 - Causes serious eye irritation.
H336 - May cause drowsiness or dizziness.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : 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.

P261 - Avoid breathing spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye protection.
P301+P310 - IF SWALLOWED: Immediately call a POISON CENTER, a doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water, soap.
P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P331 - Do NOT induce vomiting.
P403 - Store in a well-ventilated place.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.

2.3. Other hazards

Contains no PBT and/or vPvB substances ≥ 0.1% assessed in accordance with REACH Annex XIII

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 substance(s) are 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 %

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	CAS number: 92128-66-0 EINECS / ELINCS number: 921-024-6 REACH-no: 01-2119475514-35	50 – 75	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propan-2-ol	CAS number: 67-63-0 EINECS / ELINCS number: 200-661-7 EC Index-No.: 603-117-00-0 REACH-no: 01-2119457558-25	10 – 25	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Carbon dioxide (substance with a Community workplace exposure limit)	CAS number: 124-38-9 EINECS / ELINCS number: 204-696-9	2,5 – 10	Press. Gas (Comp.), H280
Acetone	CAS number: 67-64-1 EINECS / ELINCS number: 200-662-2 EC Index-No.: 606-001-00-8 REACH-no: 01-2119471330-49	2,5 – 10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates	CAS number: 1474044-65-9 EINECS / ELINCS number: 939-607-9 REACH-no: 01-2119977130-42	0,1 – 0,25	Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice : Get medical advice/attention if you feel unwell.

Inhalation : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

Skin contact : Take off contaminated clothing. Gently wash with plenty of soap and water. Rinse with plenty of water. If skin irritation occurs: Get medical advice/attention.

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

Ingestion : Call a POISON CENTER/doctor if you feel unwell. Do NOT induce vomiting.

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

Inhalation : May cause drowsiness or dizziness.

Skin contact : Causes skin irritation.

Eyes contact : Causes serious eye irritation.

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

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Carbon dioxide. Dry powder. Alcohol resistant foam.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Extremely flammable aerosol.

Explosion hazard : May form flammable/explosive vapour-air mixture.

5.3. Advice for firefighters

Firefighting instructions : Prevent fire fighting water from entering the environment. Use water spray or fog for cooling exposed containers.

Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Wear suitable protective clothing.

For non-emergency personnel

Protective equipment : Refer to protective measures listed in Sections 7 and 8.

Emergency procedures : Evacuate unnecessary personnel.

For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. This product and its container must be disposed of in a safe way, and as per local legislation.

Other information : Provide adequate ventilation.

6.4. Reference to other sections

Stable in use and storage conditions as recommended in item 7. Concerning personal protective equipment to use, see section 8. Concerning disposal elimination after cleaning, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Do not pierce or burn, even after use. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C. Do not spray on a naked flame or any incandescent material. In use, may form flammable vapour-air mixture.

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Take precautionary measures against static discharge. Eliminate all ignition sources if safe to do so.

Hygiene measures : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Proper grounding procedures to avoid static electricity should be followed.

Storage conditions : Do not expose to temperatures exceeding 50 °C. Protect from sunlight. Store in a well-ventilated place. Keep in fireproof place. Smoking is forbidden. Store in a well-ventilated place. Keep away from ignition sources.

Technical condition(s) : The floor of the depot should be impermeable and designed to form a water-tight basin. Store in a well-ventilated place.

Special rules on packaging : Keep container tightly closed and dry. Keep only in original container.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

National occupational exposure and biological limit values

Propan-2-ol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m³
	400 ppm
WEL STEL (OEL STEL)	1250 mg/m³
	500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Carbon dioxide (124-38-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Carbon dioxide
IOEL TWA	9000 mg/m³
	5000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Carbon dioxide
WEL TWA (OEL TWA)	9150 mg/m³
	5000 ppm
WEL STEL (OEL STEL)	27400 mg/m³
	15000 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

Acetone (67-64-1)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Acetone
IOEL TWA	1210 mg/m³
	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	Acetone
WEL TWA (OEL TWA)	1210 mg/m³
	500 ppm
WEL STEL (OEL STEL)	3620 mg/m³
	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE

DNEL and PNEC

Propan-2-ol (67-63-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	888 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	500 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	26 mg/kg bodyweight/day

Propan-2-ol (67-63-0)	
Long-term - systemic effects, inhalation	89 mg/m³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day

Acetone (67-64-1)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	2420 mg/m³
Long-term - systemic effects, dermal	186 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1210 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	62 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	200 mg/m³
Long-term - systemic effects, dermal	62 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	10,6 mg/l
PNEC aqua (marine water)	1,06 mg/l
PNEC aqua (intermittent, freshwater)	21 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	30,4 mg/kg dwt
PNEC sediment (marine water)	3,04 mg/kg dwt
PNEC (Soil)	
PNEC soil	29,5 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	100 mg/l

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates (1474044-65-9)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4,7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3,32 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	2,83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0,98 mg/m³
Long-term - systemic effects, dermal	2,83 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,00068 mg/l
PNEC aqua (marine water)	0,000068 mg/l
PNEC aqua (intermittent, freshwater)	0,00036 mg/l

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates (1474044-65-9)	
PNEC (Sediment)	
PNEC sediment (freshwater)	9,27 mg/kg dwt
PNEC sediment (marine water)	0,927 mg/kg dwt
PNEC (Soil)	
PNEC soil	7 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	0,9 mg/l

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

Gloves. Safety glasses.

Personal protective equipment symbol(s):

Eye and face protection

Eye protection:

Wear closed safety glasses

Skin protection

Skin protection:

Wear suitable protective clothing

Hand protection:

Where hand contact with the product may occur, the use of gloves (approved according to the EN374 standard) made from the following materials may provide suitable chemical protection: Nitrile rubber. For continuous contact we recommend gloves with breakthrough time of more than 240 minutes with preference for > 480 minutes. For short-term/splash protection we recommend the same, but recognise that suitable gloves offering this level of protection may not be available. In this case a lower breakthrough time may be acceptable as long as appropriate glove maintenance and replacement regimes are rigorously followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Depending on model and material, glove thickness generally should be greater than 0,35 mm. Suitability and durability of a glove is dependent on usage (= frequency and duration of contact), chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. . Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly.

Respiratory protection

Respiratory protection:

Wear appropriate breathing apparatus if air renewal not sufficient to maintain dust/vapour under TLV. Extra personal protection: A/P2 filter respirator for organic vapour and harmful dust

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: pale.
Appearance	: Aerosol.
Odour	: Characteristic.
Odour threshold	: Not available
Melting point/melting range	: Not available
Freezing point	: Not available
Boiling point/range	: Not applicable, since the product is an aerosol.
Flammability	: Not available

Lower explosion limit	: Not available
Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: ≤ 20,5 mm²/s (40 °C)
Solubility	: Water: Slightly miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 246 hPa (20 °C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,76 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosion limits : 0,8 – 13 vol %

Other safety characteristics

V.O.C. (V.O.S.) : 726,6 g/l

SECTION 10: Stability and reactivity

10.1. Reactivity

Extremely flammable aerosol. In use, may form flammable/explosive vapour-air mixture.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

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

Acute toxicity (oral)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	: Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	: Not classified (Based on available data, the classification criteria are not met)

Propan-2-ol (67-63-0)	
LD50/oral/rat	5840 mg/kg bodyweight Animal: rat, Guideline: OECD Guideline 401 (Acute Oral Toxicity)
LD50/dermal/rabbit	13900 mg/kg
LC50 inhalation rat	25000 mg/m³ (6h)

Acetone (67-64-1)	
LD50/oral/rat	5800 mg/kg bodyweight Animal: rat, Animal sex: female
LD50/dermal/rabbit	7800 mg/kg
LC50/inhalation/4h/rat	76 mg/l air Animal: rat, Animal sex: female, 95% CL: 65,2 - 88,4

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LD50/oral/rat	> 5840 mg/kg
LD50/dermal/rabbit	> 2920 mg/kg
LC50/inhalation/4h/rat	> 25 mg/l

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.

Respiratory or skin sensitisation : Not classified (Based on available data, the classification criteria are not met)
Germ cell mutagenicity : Not classified (Based on available data, the classification criteria are not met)
Carcinogenicity : Not classified (Based on available data, the classification criteria are not met)
Reproductive toxicity : Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure : May cause drowsiness or dizziness.

Propan-2-ol (67-63-0)	
STOT-single exposure	May cause drowsiness or dizziness.

Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
STOT-single exposure	May cause drowsiness or dizziness.

STOT-repeated exposure : Not classified (Based on available data, the classification criteria are not met)

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates (1474044-65-9)	
NOAEL (dermal, rat/rabbit, 90 days)	10 mg/kg bodyweight Animal: rabbit

Aspiration hazard : May be fatal if swallowed and enters airways.

Repaplast Cleaner Antistatic 500 ml	
Viscosity, kinematic	≤ 20,5 mm²/s (40 °C)

11.2. Information on other hazards
No additional information available

SECTION 12: Ecological information
12.1. Toxicity
Hazardous to the aquatic environment, short–term (acute) : Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long–term (chronic) : Toxic to aquatic life with long lasting effects.

Propan-2-ol (67-63-0)	
LC50/96h/fish	9640 mg/l (Pimephales promelas)
LC50 - Other aquatic organisms [1]	9714 mg/l (24h, Daphnia magna)
LOEC (chronic)	1000 mg/l (8 days, Algae)

Acetone (67-64-1)	
EC50 - Other aquatic organisms [1]	8300 mg/l (Fish, 96h)
EC50 - Other aquatic organisms [2]	8800 mg/l (Daphnia magna)
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
LC50/96h/fish	11,4 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	3 mg/l
EC50 - Other aquatic organisms [1]	30 – 100 mg/l (72h, Pseudokirchneriella subcapitata)
LOEC (chronic)	0,32 mg/l (21 days, Daphnia magna)
NOEC (chronic)	0,17 mg/l (21 days, Daphnia magna)

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates (1474044-65-9)	
LC50/96h/fish	13,8 mg/l Test organisms (species): Danio rerio (previous name: Brachydanio rerio)
EC50/24h/daphnia magna	0,036 mg/l Test organisms (species): Daphnia magna
EC50 72h - Algae [1]	0,14 mg/l Test organisms (species): Raphidocelis subcapitata (previous names: Pseudokirchneriella subcapitata, Selenastrum capricornutum)

12.2. Persistence and degradability

Repaplast Cleaner Antistatic 500 ml	
Persistence and degradability	Rapidly degradable

Propan-2-ol (67-63-0)	
Persistence and degradability	Rapidly degradable

Carbon dioxide (124-38-9)	
Persistence and degradability	Not established.

Acetone (67-64-1)	
Persistence and degradability	Not established.

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane (92128-66-0)	
Persistence and degradability	Rapidly degradable

Quaternary ammonium compounds, C12-14 (even-numbered)-alkylethyldimethyl, ethyl sulphates (1474044-65-9)	
Persistence and degradability	Rapidly degradable

12.3. Bioaccumulative potential
No additional information available

12.4. Mobility in soil
No additional information available

12.5. Results of PBT and vPvB assessment
No additional information available

12.6. Endocrine disrupting properties
No additional information available

12.7. Other adverse effects
Other adverse effects : Toxic to fish.

Repaplast Cleaner Antistatic 500 ml	
General information(s)	Danger to drinking water, even if small amounts leak into the subsoil,Also poisonous for fish and plankton in water bodies,Toxic to aquatic organisms,Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Regional waste regulation : Disposal must be done according to official regulations.

Waste / unused products : Avoid release to the environment. Do not dispose of with domestic waste.

European List of Waste (LoW, EC 2000/532) : 14 06 03* - other solvents and solvent mixtures
15 01 04 - metallic packaging

SECTION 14: Transport information
In accordance with ADR / IMDG / IATA

14.1. UN number or ID number
UN-No. (ADR) : UN 1950

UN-No. (IMDG) : UN 1950

UN-No. (IATA) : UN 1950

14.2. UN proper shipping name
Proper Shipping Name (ADR) : AEROSOLS, flammable

Proper Shipping Name (IMDG) : AEROSOLS

Proper Shipping Name (IATA) : Aerosols, flammable

Transport document description (ADR) (ADR) : UN 1950 AEROSOLS, flammable, 2.1, (D)

Transport document description (IMDG) : UN 1950 AEROSOLS, 2

Transport document description (IATA) : UN 1950 Aerosols, flammable, 2.1

14.3. Transport hazard class(es)
ADR

Transport hazard class(es) (ADR) : 2.1

Danger labels (ADR) : 2.1

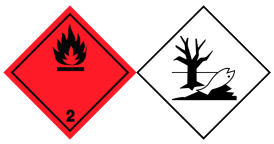
:

IMDG

Transport hazard class(es) (IMDG) : 2.1

Danger labels (IMDG) : 2.1

:



IATA

Transport hazard class(es) (IATA) : 2.1

Danger labels (IATA) : 2.1

:

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg). The environmentally hazardous substance mark is therefore not required, as stated in the ADR regulation, section 5.2.1.8.1.)

Marine pollutant : Yes (IMDG 5.2.1.6.1 derogation applies (quantity of liquids ≤ 5 litres or net mass of solids ≤ 5 kg))

EmS-No. (Fire) : F-D

EmS-No. (Spillage) : S-U

Further information : No supplementary information available

14.6. Special precautions for user

Overland transport

Classification code (ADR) : 5F

Limited quantities (ADR) : 1l

Transport category (ADR) : 2

Tunnel restriction code : D

Transport by sea

No data available

Air transport

No data available

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

EU Regulations

Ingredients according to the Regulation (EC) 648/2004 on detergents : >= 30% aliphatic hydrocarbons

REACH Annex XVII (Restriction List)

Contains no substance(s) listed on REACH Annex XVII (Restriction Conditions)

REACH Annex XIV (Authorisation List)

Contains no substance(s) listed on REACH Annex XIV (Authorisation List)

REACH Candidate List (SVHC)
Contains no substance(s) listed on the REACH Candidate List

PIC Regulation (Prior Informed Consent)
Contains no substance(s) listed on the PIC list (Regulation EU 649/2012 concerning the export and import of hazardous chemicals)

POP Regulation (Persistent Organic Pollutants)
Contains no substance(s) listed on the POP list (Regulation EU 2019/1021 on persistent organic pollutants)

Ozone Regulation (2024/590)
Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 2024/590 on substances that deplete the ozone layer)

Council Regulation (EC) for the control of dual-use items
Contains no substance subject to the COUNCIL REGULATION (EC) for the control of dual-use items

VOC Directive (2004/42)

V.O.C. (V.O.S.) : 726,6 g/l

Explosives Precursors Regulation (EU 2019/1148)
Contains no substance(s) listed on the Explosives Precursors list (Regulation EU 2019/1148 on the marketing and use of explosives precursors)

Drug Precursors Regulation (EC 273/2004)
Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on the manufacture and the placing on market of certain substances used in the illicit manufacture of narcotic drugs and psychotropic substances)

15.2. Chemical safety assessment
No additional information available

SECTION 16: Other information

Abbreviations and acronyms:	
	ACGIH = American Conference of Governmental Industrial Hygienists
	ADR = Accord européen sur le transport des marchandises dangereuses par Route
	ATE = Acute Toxicity Estimate
	CAS = Chemical Abstracts Service
	CLP = Classification, labelling and packaging
	CSR = Chemical Safety Report
	DMEL = Derived Minimal Effect Level
	DNEL = Derived No-Effect Level
	DPD = Dangerous Preparation Directive
	DSD = Dangerous Substance Directive
	EINECS/ELINCS = European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances.
	GHS = Globally Harmonized System of Classification and Labelling of Chemicals
	HTP = Haitallisiksi tunnetut pitoisuudet
	IATA = International Air Transport Association
	ICAO = International Civil Aviation Organization
	IMDG = International Maritime Code for Dangerous Goods
	IOELV = Indicative Occupational Exposure Limit Value (EU)
	LC50 = Lethal concentration, 50 percent
	LD50 = Lethal dose, 50 percent
	LEL = Lower Explosion Limit
	MAK = Maximale Arbeitsplatzkonzentrationen
	MAL-kode = Måleteknisk Arbejdshygiejnisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe

Abbreviations and acronyms:	
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	PNEC = Predicted No-Effect Concentration
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	RID = Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail).
	STEL = Short term exposure limit
	STOT RE = specific target organ toxicity repeated exposure
	STOT SE = specific target organ toxicity single exposure
	SVHC = Substance of Very High Concern
	TLV = Threshold Limit Value
	TRGS = Technischen Regeln für Gefahrstoffe
	TWA = time weighted average
	UEL = Upper Explosion Limit
	VLA-EC = valores límite ambientales para la exposición de corta duración
	VLA-ED = valores límite ambientales para la exposición diaria
	VLE = Valeur Limite d'exposition
	VME = Valeur Limite de Moyenne d'exposition
	VOC = Volatile Organic Compounds
	vPvB = very Persistent and very Bioaccumulative
	WGK = Wassergefährdungsklasse

Full text of H- and EUH-statements:	
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aerosol 1	Aerosol, Category 1
Aquatic Acute 1	Hazardous to the aquatic environment – Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment – Chronic Hazard, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Corr. 1A	Skin corrosion/irritation, Category 1, Sub-Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.

Full text of H- and EUH-statements:	
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.

SDS PCS Innotec 2025

Disclaimer with regard to REACH:

The information provided in this Safety Data Sheet is consistent with the information in the Chemical Safety Report, as far as this information was available at the time of compilation (see last revision date).

Disclaimer:

The information of this Safety Data Sheet is based on the present state of our knowledge and on current EC and national laws, as the users' working conditions are beyond our knowledge and control. The user is always responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this Safety Data Sheet provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The information provided relates only to the specific product designated and may not be valid for such product used in combination with any other product. The product must not be used for any purposes other than those specified without first obtaining written handling instructions.