

Anti Seize

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 1/06/1997 Last revision: 8/01/2025 Supersedes version of: 19/12/2022 Version: 17.3

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

1.1. Product identifier

Product form : Mixture
Name : Anti Seize
Product number : 03.0101.1970

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 : Copper lubricant that simplifies the assembly and disassembly of metal connections and prevents seizing.

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

1.4. Emergency telephone number

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 3 H412

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

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP)



GHS02

GHS07

Signal word (CLP)

: Danger

Contains

: Pentane; Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics

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.
H412 - Harmful 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.
P260 - Do not breathe spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, eye protection.
P302+P352 - IF ON SKIN: Wash with plenty of soap and water.
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.

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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 $\geq 0.1\%$ assessed in accordance with REACH Annex XIII

The mixture contains substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or substance(s) are 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

Component	
Substance(s) included in the list established in accordance with Article 59(1) of REACH for having endocrine disrupting properties, or is 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	Benzotriazole (95-14-7)

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Butane (Contains < 0,1% butadiene (203-450-8))	CAS number: 106-97-8 EINECS / ELINCS number: 203-448-7 REACH-no: 01-2119474691-32	25 – 50	Flam. Gas 1A, H220 Press. Gas
Pentane	CAS number: 109-66-0 EINECS / ELINCS number: 203-692-4 EC Index-No.: 601-006-00-1 REACH-no: 01-2119459286-30	10 – 25	Flam. Liq. 1, H224 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Propane	CAS number: 74-98-6 EINECS / ELINCS number: 200-827-9 REACH-no: 01-2119486944-21	10 – 25	Flam. Gas 1A, H220 Press. Gas
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (Note P)	CAS number: 64742-49-0 EINECS / ELINCS number: 927-510-4 REACH-no: 01-2119475515-33	10 – 25	Flam. Liq. 2, H225 Skin Irrit. 2, H315 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
Copper	CAS number: 7440-50-8 EINECS / ELINCS number: 231-159-6 REACH-no: 01-2119480154-42	2,5 – 10	Aquatic Chronic 2, H411
Isobutane	CAS number: 75-28-5 EINECS / ELINCS number: 200-857-2 EC Index-No.: 601-004-00-0 REACH-no: 01-2119485395-27	2,5 – 10	Flam. Gas 1A, H220 Press. Gas
Calcium dihydroxide	CAS number: 1305-62-0 EINECS / ELINCS number: 215-137-3 REACH-no: 01-2119475151-45	1 – 2,5	Skin Irrit. 2, H315 Eye Dam. 1, H318 STOT SE 3, H335
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	0,1 – 1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

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Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Benzotriazole	CAS number: 95-14-7 EINECS / ELINCS number: 202-394-1 REACH-no: 01-2119979079-20	0,1 – 0,25	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319 Aquatic Chronic 2, H411

Note P: Note P : The classification as a carcinogen or mutagen need not apply if it can be shown that the substance contains less than 0,1 % w/w benzene (EINECS No 200-753-7). When the substance is not classified as a carcinogen at least the precautionary statements (P102-)P260-P262- P301 + P310-P331 (Table 3.1) or the S-phrases (2-)23-24-62 (Table 3.2) shall apply. This note applies only to certain complex oil-derived substances in Part 3.

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	: If skin irritation or rash 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	: Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell.

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	: Dry powder. Water spray. Alcohol resistant foam. Carbon dioxide.
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.
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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	: Wear recommended personal protective equipment.
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.

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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. In use, may form flammable vapour-air mixture. Do not spray on a naked flame or any incandescent material. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50°C.
Precautions for safe handling	: Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Provide good ventilation in process area to prevent formation of vapour. 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	: Protect from sunlight. Store in a well-ventilated place. Do not expose to temperatures exceeding 50 °C. Keep in fireproof place. Smoking is forbidden. Store in a dry place. Keep away from ignition sources.
Technical condition(s)	: Store in a well-ventilated place. The floor of the depot should be impermeable and designed to form a water-tight basin.
Special rules on packaging	: Store in a closed container. Keep only in original container. Store under dry conditions.

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

Butane (106-97-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Butane
WEL TWA (OEL TWA)	1450 mg/m ³ 600 ppm
WEL STEL (OEL STEL)	1810 mg/m ³ 750 ppm
Remark	Carc (Capable of causing cancer and/or heritable genetic damage, only applies if Butane contains more than 0.1% of buta-1,3-diene)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Pentane (109-66-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Pentane
IOEL TWA	3000 mg/m ³ 1000 ppm
Regulatory reference	COMMISSION DIRECTIVE 2006/15/EC
United Kingdom - Occupational Exposure Limits	
Local name	Pentane
WEL TWA (OEL TWA)	1800 mg/m ³ 600 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Calcium dihydroxide (1305-62-0)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Calcium dihydroxide

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Calcium dihydroxide (1305-62-0)	
IOEL TWA	1 mg/m ³ (Respirable fraction)
IOEL STEL	4 mg/m ³ (Respirable fraction)
Regulatory reference	COMMISSION DIRECTIVE (EU) 2017/164
United Kingdom - Occupational Exposure Limits	
Local name	Calcium hydroxide
WEL TWA (OEL TWA)	5 mg/m ³ 1 mg/m ³ Respirable fraction
WEL STEL (OEL STEL)	4 mg/m ³ Respirable fraction
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Propan-2-ol (67-63-0)	
United Kingdom - Occupational Exposure Limits	
Local name	Propan-2-ol
WEL TWA (OEL TWA)	999 mg/m ³ 400 ppm
WEL STEL (OEL STEL)	1250 mg/m ³ 500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Copper (7440-50-8)	
United Kingdom - Occupational Exposure Limits	
Local name	Copper
WEL TWA (OEL TWA)	0,2 mg/m ³ fume (as Cu)
DNEL and PNEC	
Pentane (109-66-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	432 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	3000 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	214 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	643 mg/m ³
Long-term - systemic effects, dermal	214 mg/kg bodyweight/day
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	300 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2085 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects, oral	149 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	477 mg/m ³
Long-term - systemic effects, dermal	149 mg/kg bodyweight/day
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/m ³

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Propan-2-ol (67-63-0)

DNEL/DMEL (General population)

Long-term - systemic effects, oral	26 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m ³
Long-term - systemic effects, dermal	319 mg/kg bodyweight/day

8.2. Exposure controls

Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protection equipment

Personal protective equipment:

In case of inadequate ventilation wear respiratory protection. Gloves. Safety glasses.

Personal protective equipment symbol(s):



Eye and face protection

Eye protection:

ISO 16321-1. Wear security glasses which protect from splashes

Skin protection

Skin protection:

EN 13034. 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	: Brown.
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. Not sustained combustibility

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Auto-ignition temperature	: Not self-igniting
Decomposition temperature	: Not available
pH	: Not available
Viscosity, kinematic	: ≤ 20,5 mm ² /s
Solubility	: Water: Practically not miscible
Partition coefficient n-octanol/water (Log Kow)	: Not available
Vapour pressure	: 2100 hPa (20 °C)
Vapour pressure at 20 °C	: Not available
Density	: Not available
Relative density (water = 1)	: 0,693 (20 °C)
Vapour density	: Not available
Particle characteristics	: Not applicable

9.2. Other information

Information with regard to physical hazard classes

Explosion limits	: 0,6 – 10,9 vol %
Not sustained combustibility	: Yes

Other safety characteristics

V.O.C. (V.O.S.)	: 482,3 g/l
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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
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified

Butane (106-97-8)	
LC50/inhalation/4h/rat	658000 mg/m ³
Pentane (109-66-0)	
LD50/oral/rat	> 5000 mg/kg
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	
LD50/oral/rat	> 5840 mg/kg
LD50 dermal rat	> 2920 mg/kg
LC50/inhalation/4h/rat	23,3 mg/l
Calcium dihydroxide (1305-62-0)	
LD50/oral/rat	> 2001 mg/kg
LD50/dermal/rabbit	> 2500 mg/kg
Propan-2-ol (67-63-0)	
LD50/oral/rat	5840 mg/kg
LD50/dermal/rabbit	13900 mg/m ³
LC50 inhalation rat	25000 mg/m ³ (6h)

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Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.

Pentane (109-66-0)

STOT-single exposure	May cause drowsiness or dizziness.
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Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)

STOT-single exposure	May cause drowsiness or dizziness.
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Calcium dihydroxide (1305-62-0)

STOT-single exposure	May cause respiratory irritation.
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Propan-2-ol (67-63-0)

STOT-single exposure	May cause drowsiness or dizziness.
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STOT-repeated exposure : Not classified

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

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Viscosity, kinematic	≤ 20,5 mm ² /s
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11.2. Information on other hazards

Endocrine disrupting properties

Component

Benzotriazole (95-14-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified

Hazardous to the aquatic environment, long-term (chronic) : Harmful to aquatic life with long lasting effects.

Pentane (109-66-0)

LC50/96h/fish	4,26 mg/l (Oncorhynchus mykiss)
EC50/48h/daphnia magna	2,7 mg/l
EC50 - Other aquatic organisms [1]	10,7 mg/l (72h, Pseudokirchneriella subcapitata)
NOEC (chronic)	7,51 mg/l (72h, Pseudokirchneriella subcapitata)

Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)

LC50/96h/fish	> 13,4 mg/l
EC50/48h/daphnia magna	3 mg/l
EC50 - Other aquatic organisms [1]	10 – 30 mg/l (72h, Algae)

Calcium dihydroxide (1305-62-0)

LC50/96h/fish	50,6 mg/l
EC50/48h/daphnia magna	59,1 mg/l
EC50 - Other aquatic organisms [1]	184,57 mg/l algae

Propan-2-ol (67-63-0)

LC50/96h/fish	9640 mg/l
LC50 - Other aquatic organisms [1]	9714 mg/l (Daphnia Magna) (24h)

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Propan-2-ol (67-63-0)	
LOEC (chronic)	1000 mg/l (Algae)
Copper (7440-50-8)	
EC50 - Other aquatic organisms [1]	0,047 mg/l (96h, Chlamydomonas reinhardtii)
12.2. Persistence and degradability	
Anti Seize	
Persistence and degradability	Rapidly degradable
Butane (106-97-8)	
Persistence and degradability	Rapidly degradable
Pentane (109-66-0)	
Persistence and degradability	Rapidly degradable
Propane (74-98-6)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C7, n-alkanes, isoalkanes, cyclics (64742-49-0)	
Persistence and degradability	Rapidly degradable
Calcium dihydroxide (1305-62-0)	
Persistence and degradability	Rapidly degradable
Propan-2-ol (67-63-0)	
Persistence and degradability	Rapidly degradable
Copper (7440-50-8)	
Persistence and degradability	Rapidly degradable
Benzotriazole (95-14-7)	
Persistence and degradability	Rapidly degradable
Isobutane (75-28-5)	
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	
Component	
Benzotriazole (95-14-7)	The substance is identified for having endocrine disrupting properties but there is no additional data available (see section 2.3)
12.7. Other adverse effects	
Other adverse effects	: Toxic to fish.
Anti Seize	
General information(s)	Avoid release to the environment,Danger of pollution of drinking water when product enters the soil,Do not discharge into drains or rivers,Also poisonous for fish and plankton in water bodies,Toxic to aquatic organisms

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)	: 07 06 99 - wastes not otherwise specified 15 01 04 - metallic packaging

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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 : No
Marine pollutant : No
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) : 1I
Transport category (ADR) : 2
Tunnel restriction code : D

Transport by sea

Limited quantities (IMDG) : 1 L

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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

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.) : 482,3 g/l

Explosives Precursors Regulation (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 (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)

National regulations

Germany

Air Quality Control (TA Luft)					
Category	Class	Applicable on	Local name	Max. mass flow	Max. mass concentration

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Last revision	Modified
3	Composition/information on ingredients	

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

Anti Seize

Safety Data Sheet

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

Abbreviations and acronyms:	
	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 Arbejdshygienisk Luftbehov
	N.O.S. = Not Otherwise Specified
	NDS = Najwyższe Dopuszczalne Stężenie
	NDSCh = Najwyższe Dopuszczalne Stężenie Chwilowe
	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. 4 (Oral)	Acute toxicity (oral), Category 4

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Full text of H- and EUH-statements:

Aerosol 1	Aerosol, Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment – Chronic Hazard, Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
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. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 1	Flammable liquids, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Press. Gas	Gases under pressure
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H224	Extremely flammable liquid and vapour.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

SDS PCS Innotec 2024

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.