

Zinc Coat

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
First edition: 15/05/1997 Last revision: 19/05/2025 Supersedes version of: 9/10/2023 Version: 23.0

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

1.1. Product identifier

Product form : Mixture
Name : Zinc Coat
Product number : 02.1106.0070

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 : High-quality anti-rust coating for bare metals. Also ideal to use as a primer on various surfaces, such as old paintwork and non-ferrous metals.

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
Eye Irrit. 2 H319
STOT SE 3 H336
Aquatic Chronic 2 H411

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

GHS09

Signal word (CLP) :

Danger

Contains

: Acetone; Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2)); Hydrocarbons, C9, aromates (Cumene < 0,1%)

Hazard statements (CLP)

: H222 - Extremely flammable aerosol.
H229 - Pressurised container: May burst if heated.
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 mist, vapours, spray.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.

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P280 - Wear protective gloves, eye protection.
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.
P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P410+P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

EUH-statements

: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

Contains no PBT and/or vPvB substances $\geq 0.1\%$ 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)
Acetone	CAS number: 67-64-1 EINECS / ELINCS number: 200-662-2 REACH-no: 01-2119471330-49	25 – 50	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336 EUH066
Butane (Contains < 0,1% butadiene (203-450-8))	CAS number: 106-97-8 EINECS / ELINCS number: 203-448-7 REACH-no: 01-2119474691-32	10 – 25	Flam. Gas 1A, H220 Press. Gas
Propane	CAS number: 74-98-6 EINECS / ELINCS number: 200-827-9 REACH-no: 01-2119486944-21	2,5 – 10	Flam. Gas 1A, H220 Press. Gas (Comp.), H280
Trizinc bis(orthophosphate)	CAS number: 7779-90-0 EINECS / ELINCS number: 231-944-3 EC Index-No.: 030-011-00-6 REACH-no: 01-2119485044-40	2,5 – 10	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
Xylene	CAS number: 1330-20-7 EINECS / ELINCS number: 215-535-7 EC Index-No.: 601-022-00-9 REACH-no: 01-2119488216-32	2,5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:gas), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
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
Naphtha (petroleum), hydrotreated heavy (Note P)	CAS number: 64742-48-9 EINECS / ELINCS number: 265-150-3 EC Index-No.: 649-327-00-6 REACH-no: 01-2119457273-39	2,5 – 10	Asp. Tox. 1, H304

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Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Reaction mass of ethylbenzene and xylene	EINECS / ELINCS number: 905-588-0 REACH-no: 01-2119488216-32	2,5 – 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304 Aquatic Chronic 3, H412
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	EINECS / ELINCS number: 920-750-0 REACH-no: 01-2119473851-33	0,25 – 1	Flam. Liq. 2, H225 STOT SE 3, H336 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
Hydrocarbons, C9, aromates (Cumene < 0,1%)	CAS number: 128601-23-0 EINECS / ELINCS number: 918-668-5 REACH-no: 01-2119455851-35	0,25 – 1	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411 EUH066
2-Methoxy-1-methylethyl acetate	CAS number: 108-65-6 EINECS / ELINCS number: 203-603-9 EC Index-No.: 607-195-00-7 REACH-no: 01-2119475791-29	0,1 – 1	Flam. Liq. 3, H226 STOT SE 3, H336
zinc oxide	CAS number: 1314-13-2 EINECS / ELINCS number: 215-222-5 REACH-no: 01-2119463881-32	0,1 – 0,25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

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	: No irritant effect.
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

Symptoms/effects	: Causes damage to organs through prolonged or repeated exposure.
Inhalation	: May cause drowsiness or dizziness.
Skin contact	: Repeated exposure may cause skin dryness or cracking. May cause an allergic skin reaction.
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.

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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. Do not flush with aqueous cleansing agents.
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. 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 : 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

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Butane (106-97-8)	
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
Xylene (1330-20-7)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	Xylene, mixed isomers, pure
IOEL TWA	221 mg/m ³
	50 ppm
IOEL STEL	442 mg/m ³
	100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	Xylene
WEL TWA (OEL TWA)	220 mg/m ³ o-,m-,p- or mixed isomers
	50 ppm o-,m-,p- or mixed isomers
WEL STEL (OEL STEL)	441 mg/m ³ o-,m-,p- or mixed isomers
	100 ppm o-,m-,p- or mixed isomers
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
United Kingdom - Biological limit values	
Local name	Xylene, o-, m-, p- or mixed isomers
BMGV	650 mmol/mol Creatinine Parameter: methyl hippuric acid - Medium: urine - Sampling time: Post shift
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/m ³
	500 ppm
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	Acetone
WEL TWA (OEL TWA)	1210 mg/m ³
	500 ppm
WEL STEL (OEL STEL)	3620 mg/m ³
	1500 ppm
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	White spirit Type 3
IOEL TWA	116 mg/m ³
	20 ppm

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Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
IOEL STEL	290 mg/m ³ 50 ppm
Remark	Skin. (Year of adoption 2007)
Regulatory reference	SCOEL Recommendations
2-Methoxy-1-methylethyl acetate (108-65-6)	
EU - Indicative Occupational Exposure Limit (IOEL)	
Local name	2-Methoxy-1-methylethylacetate
IOEL TWA	275 mg/m ³ 50 ppm
IOEL STEL	550 mg/m ³ 100 ppm
Remark	Skin
Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom - Occupational Exposure Limits	
Local name	1-Methoxypropyl acetate
WEL TWA (OEL TWA)	274 mg/m ³ 50 ppm
WEL STEL (OEL STEL)	548 mg/m ³ 100 ppm
Remark	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
Regulatory reference	EH40/2005 (Fourth edition, 2020). HSE
DNEL and PNEC	
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	773 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2035 mg/m ³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	699 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	608 mg/m ³
Long-term - systemic effects, dermal	699 mg/kg bodyweight/day
Reaction mass of ethylbenzene and xylene	
DNEL/DMEL (Workers)	
Acute - systemic effects, inhalation	500 mg/m ³
Acute - local effects, inhalation	289 mg/m ³
Long-term - systemic effects, dermal	180 mg/kg bodyweight/day
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1,6 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	89 mg/m ³
Long-term - systemic effects, dermal	108 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0,327 mg/l
PNEC aqua (marine water)	0,327 mg/l

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Reaction mass of ethylbenzene and xylene

PNEC (Sediment)

PNEC sediment (freshwater)	12,46 mg/l
PNEC sediment (marine water)	12,46 mg/l

PNEC (Soil)

PNEC soil	2,31 mg/kg dwt
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PNEC (STP)

PNEC sewage treatment plant	6,58 mg/l
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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:

Wear closed safety glasses. ISO 16321-1

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

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Light grey.
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

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Upper explosion limit	: Not available
Flash point	: Not applicable, since the product is an aerosol.
Auto-ignition temperature	: 365 °C
Decomposition temperature	: Not available
pH	: not measurable
Viscosity, kinematic	: ≤ 20,5 mm ² /s 40 °C
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)	: 0,766 (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 – 13 vol %

Other safety characteristics

V.O.C. (V.O.S.) : 607 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
Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
Additional information	: Based on available data, the classification criteria are not met

Butane (106-97-8)	
LC50/inhalation/4h/rat	658000 mg/m ³
Trizinc bis(orthophosphate) (7779-90-0)	
LD50 dermal rat	> 5000 mg/kg
Xylene (1330-20-7)	
LD50/oral/rat	4300 mg/kg
LD50/dermal/rabbit	2000 mg/kg
Acetone (67-64-1)	
LD50/oral/rat	5800 mg/kg
LD50/dermal/rabbit	> 15800 mg/kg
LC50/inhalation/4h/rat	76 mg/m ³
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	
LD50/oral/rat	> 5000 mg/kg

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Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	
LD50/dermal/rabbit	> 2800 mg/kg
LC50/inhalation/4h/rat	> 23 mg/l
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 2000 mg/kg
LC50, fish, Inhalation	1000 mg/l (96 Hours, Oncorhynchus mykiss (Rainbow trout))
Reaction mass of ethylbenzene and xylene	
LD50/oral/rat	4300 mg/kg
LD50/dermal/rabbit	2000 mg/kg
Hydrocarbons, C9, aromates (Cumene < 0,1%) (128601-23-0)	
LD50/oral/rat	3492 mg/kg
LD50/dermal/rabbit	3160 mg/kg
LC50/inhalation/4h/rat	≥ 50 mg/l
2-Methoxy-1-methylethyl acetate (108-65-6)	
LD50/oral/rat	8530 mg/kg
LD50/dermal/rabbit	> 5000 mg/kg
LC50/inhalation/4h/rat	> 10000 mg/m ³
zinc oxide (1314-13-2)	
LD50/oral/rat	> 5000 mg/kg
LD50/dermal/rabbit	> 5000 mg/kg
Skin corrosion/irritation	: Not classified pH: not measurable
Additional information	: Based on available data, the classification criteria are not met
Serious eye damage/irritation	: Causes serious eye irritation. pH: not measurable
Respiratory or skin sensitisation	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Germ cell mutagenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
Reproductive toxicity	: Not classified
Additional information	: Based on available data, the classification criteria are not met
STOT-single exposure	: May cause drowsiness or dizziness.
Xylene (1330-20-7)	
STOT-single exposure	May cause respiratory irritation.
Acetone (67-64-1)	
STOT-single exposure	May cause drowsiness or dizziness.
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	
STOT-single exposure	May cause drowsiness or dizziness.
Reaction mass of ethylbenzene and xylene	
STOT-single exposure	May cause respiratory irritation.
Hydrocarbons, C9, aromates (Cumene < 0,1%) (128601-23-0)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.

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2-Methoxy-1-methylethyl acetate (108-65-6)

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

Additional information : Based on available data, the classification criteria are not met

Xylene (1330-20-7)

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Reaction mass of ethylbenzene and xylene

STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.
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Aspiration hazard : Not classified

Additional information : Based on available data, the classification criteria are not met

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Viscosity, kinematic	≤ 20,5 mm ² /s 40 °C
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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

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

Trizinc bis(orthophosphate) (7779-90-0)

LC50/96h/fish	0,14 mg/l
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EC50/48h/daphnia magna	0,04 mg/l
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EC50 - Other aquatic organisms [1]	0,136 mg/l (72h, Algae)
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Xylene (1330-20-7)

LC50/96h/fish	8,9 – 16,4 mg/l (Pimephales promelas)
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EC50/48h/daphnia magna	3,2 – 9,5 mg/l
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Acetone (67-64-1)

LC50/96h/fish	8300 mg/l
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LC50 - Other aquatic organisms [1]	2262 mg/l (48h, Daphnia magna)
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EC50 - Other aquatic organisms [1]	8450 mg/l (48h, crustacean (water flea))
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EC50 96h - Algae [1]	7200 mg/l
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Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))

LC50/96h/fish	> 13,4 (Oncorhynchus mykiss)
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EC50/48h/daphnia magna	3 mg/l
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EC50 - Other aquatic organisms [1]	10 – 30 (72h, Pseudokirchneriella subcapitata)
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LOEC (chronic)	0,32 mg/l (21 Days, Daphnia magna)
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NOEC (chronic)	0,17 mg/l (21 days, Daphnia magna)
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Naphtha (petroleum), hydrotreated heavy (64742-48-9)

EC50/48h/daphnia magna	1000 mg/l
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EC50 - Other aquatic organisms [1]	1000 mg/l (72h, Selenastrum capricornutum)
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Reaction mass of ethylbenzene and xylene

LC50/96h/fish	8,9 – 16,4 mg/l
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EC50/48h/daphnia magna	3,2 – 9,5 mg/l
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NOEC (acute)	1,3 mg/l fish
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Reaction mass of ethylbenzene and xylene	
NOEC (chronic)	16 mg/l Bacteria
NOEC chronic fish	0,96 mg/l Daphnia magna, 7 days
NOEC chronic algae	0,44 mg/l 72h
2-Methoxy-1-methylethyl acetate (108-65-6)	
LC50/96h/fish	100 – 180 (oncorhynchus mykiss)
EC50 - Other aquatic organisms [2]	> 500 mg/l Daphnia magna
zinc oxide (1314-13-2)	
EC50/48h/daphnia magna	> 1000 mg/kg
12.2. Persistence and degradability	
Zinc Coat	
Persistence and degradability	Rapidly degradable
Butane (106-97-8)	
Persistence and degradability	Rapidly degradable
Propane (74-98-6)	
Persistence and degradability	Rapidly degradable
Trizinc bis(orthophosphate) (7779-90-0)	
Persistence and degradability	Rapidly degradable
Xylene (1330-20-7)	
Persistence and degradability	Rapidly degradable
Isobutane (75-28-5)	
Persistence and degradability	Rapidly degradable
Acetone (67-64-1)	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C7-C9, n-alkanes, isoalkanes, cyclics (Contains < 0,1% benzene (71-43-2))	
Persistence and degradability	Rapidly degradable
Naphtha (petroleum), hydrotreated heavy (64742-48-9)	
Persistence and degradability	Rapidly degradable
Reaction mass of ethylbenzene and xylene	
Persistence and degradability	Rapidly degradable
Hydrocarbons, C9, aromates (Cumene < 0,1%) (128601-23-0)	
Persistence and degradability	Rapidly degradable
2-Methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Rapidly degradable
zinc oxide (1314-13-2)	
Persistence and degradability	Rapidly degradable
12.3. Bioaccumulative potential	
2-Methoxy-1-methylethyl acetate (108-65-6)	
Partition coefficient n-octanol/water (Log Pow)	1,2
12.4. Mobility in soil	
No additional information available	
12.5. Results of PBT and vPvB assessment	
No additional information available	

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12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

Other adverse effects : Toxic to fish.

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General information(s)

Danger to drinking water, even if small amounts leak into the subsoil, Toxic to aquatic organisms, Avoid release to the environment, Also poisonous for fish and plankton in water bodies.

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. Should not be landfilled with household waste.

European List of Waste (LoW, EC 2000/532) : 08 01 11* - waste paint and varnish containing organic solvents or other dangerous substances
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

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Packing group (IATA) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : Yes (Environmentally hazardous substances derogation applies (quantity of liquids \leq 5 litres or net mass of solids \leq 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 \leq 5 litres or net mass of solids \leq 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) : 1I

Transport category (ADR) : 2

Tunnel restriction code : D

Transport by sea

Limited quantities (IMDG) : 1 L

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.) : 607 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 chemical safety assessment has been carried out

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SECTION 16: Other information

Indication of changes		
Section	Changed item	Comments
	Last revision	Modified
	Supersedes	Modified
2.1	Classification according to Regulation (EC) no 1272/2008 (CLP)	Modified
2.2	Precautionary statements (CLP)	Modified
2.2	EUH-statements	Modified
2.2	Hazard statements (CLP)	Modified
2.2	Hazard pictograms (CLP)	Modified
3	Composition/information on ingredients	Modified
9	Auto-ignition temperature	Modified
9	V.O.C. (V.O.S.)	Modified
9	Relative density (water = 1)	Modified
11.1	Additional information	Added

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
	CSR = Chemical Safety Report
	CLP = Classification, labelling and packaging
	CAS = Chemical Abstracts Service
	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)

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Abbreviations and acronyms:	
	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
	OEL = Occupational Exposure Limits
	PBT = Persistent, bioaccumulative and toxic
	REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
	PNEC = Predicted No-Effect Concentration
	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
	TLV = Threshold Limit Value
	SVHC = Substance of Very High Concern
	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 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Inhalation:gas)	Acute toxicity (inhalation:gas) 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
Aquatic Chronic 3	Hazardous to the aquatic environment – Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Gas 1A	Flammable gases, Category 1A
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3

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Full text of H- and EUH-statements:	
Press. Gas	Gases under pressure
Press. Gas (Comp.)	Gases under pressure : Compressed gas
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H373	May cause damage to organs through prolonged or repeated exposure.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH066	Repeated exposure may cause skin dryness or cracking.

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.