



Supergrind Plus

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Reference number: 21512
Issue date: 15/09/2023 Revision date: 15/09/2023 Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product name : Supergrind Plus
Product code : 7181
Type of product : Metal Working Fluid - Water Soluble
Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial use, Professional use
Function or use category : Metalworking Fluid

| Title | Life cycle stage | Use descriptors |
|---|--------------------------|--------------------------------|
| (Industrial) Handling and dilution of metalworking fluid concentrates | Industrial, Professional | SU3, PC25, PROC5, PROC8b, ERC2 |

Full text of use descriptors: see section 16

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer

Morris Lubricants
Castle Foregate
SY1 2EL Shrewsbury – Shropshire
United Kingdom
T +44 (0) 1743 232200
sds@morris-lubricants.co.uk

1.4. Emergency telephone number

Emergency number : +44 (0) 1743 232200
08.45 - 17.00 GMT

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin corrosion/irritation, Category 1, Sub-Category 1B H314
Serious eye damage/eye irritation, Category 1 H318
Specific target organ toxicity – Single exposure, Category 3, H335
Respiratory tract irritation
Hazardous to the aquatic environment – Acute Hazard, H400
Category 1

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

Adverse physicochemical, human health and environmental effects

May cause respiratory irritation. Causes severe skin burns and eye damage. Causes serious eye damage. Very toxic to aquatic life.

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2.2. Label elements

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

Hazard pictograms (CLP)



Signal word (CLP)

: Danger

Contains

: 2-aminoethanol

Hazard statements (CLP)

: H314 - Causes severe skin burns and eye damage.
H335 - May cause respiratory irritation.
H400 - Very toxic to aquatic life.

Precautionary statements (CLP)

: P260 - Do not breathe vapours, spray.
P264 - Wash hands thoroughly after handling.
P273 - Avoid release to the environment.
P301+P330+P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 - Call doctor if you feel unwell.
P501 - Dispose of contents and container to a hazardous or special waste collection point.
EUH070 - Toxic by eye contact.

EUH-statements

2.3. Other hazards

Contains no PBT/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 is 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

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|--|--|-----------------|---|
| 2,2 Nitrilotriethanol substance with national workplace exposure limit(s) (NO) | CAS-No.: 102-71-6 EC-No.: 203-049-8 REACH-no: 01-2119486482-31 | $\geq 5 - < 10$ | Acute Tox. 4 (Dermal), H312 (ATE=2000 mg/kg bodyweight) |
| 2-aminoethanol substance with national workplace exposure limit(s) (GB, NO); substance with a Community workplace exposure limit | CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28 | $\geq 5 - < 10$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 4 (Dermal), H312 (ATE=1100 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412 |
| Glycerine substance with national workplace exposure limit(s) (GB) | CAS-No.: 56-81-5 EC-No.: 200-289-5 | $\geq 1 - < 5$ | Not classified |

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| Name | Product identifier | % | Classification according to Regulation (EC) No. 1272/2008 [CLP] |
|---|---|------------------|---|
| Pyridine-2-thiol 1-oxide, sodium salt | CAS-No.: 3811-73-2 EC-No.: 223-296-5 EC Index-No.: 613-344-00-7 REACH-no: 01-2119493385-28 | $\geq 0.1 - < 1$ | Acute Tox. 4 (Oral), H302 (ATE=500 mg/kg bodyweight) Acute Tox. 3 (Dermal), H311 (ATE=300 mg/kg bodyweight) Acute Tox. 4 (Inhalation), H332 (ATE=1.5 mg/l/4h) Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 2, H411 (M=10) EUH070 |
| Sodium Hydroxide substance with national workplace exposure limit(s) (GB, NO) | CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27 | $\geq 0.1 - < 1$ | Met. Corr. 1, H290 Skin Corr. 1A, H314 Eye Dam. 1, H318 |

| Specific concentration limits: | | |
|--------------------------------|---|--|
| Name | Product identifier | Specific concentration limits (%) |
| 2-aminoethanol | CAS-No.: 141-43-5 EC-No.: 205-483-3 EC Index-No.: 603-030-00-8 REACH-no: 01-2119486455-28 | ($5 \leq C \leq 100$) STOT SE 3, H335 |
| Sodium Hydroxide | CAS-No.: 1310-73-2 EC-No.: 215-185-5 EC Index-No.: 011-002-00-6 REACH-no: 01-2119457892-27 | ($0.5 \leq C < 2$) Skin Irrit. 2, H315 ($0.5 \leq C < 2$) Eye Irrit. 2, H319 ($2 \leq C < 5$) Skin Corr. 1B, H314 ($5 \leq C \leq 100$) Skin Corr. 1A, H314 |

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

SECTION 4: First aid measures

4.1. Description of first aid measures

| | |
|---------------------------------------|--|
| First-aid measures general | : Call a physician immediately. |
| First-aid measures after inhalation | : Remove person to fresh air and keep comfortable for breathing. Call a poison center or a doctor if you feel unwell. |
| First-aid measures after skin contact | : Rinse skin with water/shower. Take off immediately all contaminated clothing. Call a physician immediately. If 'in use' metalworking fluid emulsion give rise to irritation or skin rashes, possible contamination and/or usage conditions may need to be investigated. |
| First-aid measures after eye contact | : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately. |
| First-aid measures after ingestion | : Rinse mouth. Do not induce vomiting. Call a physician immediately. Product contains petroleum based material, which, if aspirated into the lungs may result in chemical pneumonia. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. If aspiration into lungs occurs, admit to hospital immediately. |

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

| | |
|-------------------------------------|-------------------------------------|
| Symptoms/effects after inhalation | : May cause respiratory irritation. |
| Symptoms/effects after skin contact | : Burns. |
| Symptoms/effects after eye contact | : Serious damage to eyes. |
| Symptoms/effects after ingestion | : Burns. |

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.
Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours, spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage.
Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Avoid contact with skin and eyes. Do not breathe vapours, spray. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep container tightly closed. Keep cool.
Storage temperature : 5 – 25 °C

7.3. Specific end use(s)

No additional information available

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

2-aminoethanol (141-43-5)

EU - Indicative Occupational Exposure Limit (IOEL)

| | |
|----------------------|---------------------------------|
| Local name | 2-Aminoethanol |
| IOEL TWA | 2.5 mg/m ³ |
| IOEL TWA [ppm] | 1 ppm |
| IOEL STEL | 7.6 mg/m ³ |
| IOEL STEL [ppm] | 3 ppm |
| Remark | Skin |
| Regulatory reference | COMMISSION DIRECTIVE 2006/15/EC |

United Kingdom - Occupational Exposure Limits

| | |
|---------------------------|---|
| Local name | 2-Aminoethanol |
| WEL TWA (OEL TWA) [1] | 2.5 mg/m ³ |
| WEL TWA (OEL TWA) [2] | 1 ppm |
| WEL STEL (OEL STEL) | 7.6 mg/m ³ |
| WEL STEL (OEL STEL) [ppm] | 3 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 |

Glycerine (56-81-5)

United Kingdom - Occupational Exposure Limits

| | |
|-----------------------|---------------------------------------|
| Local name | Glycerol |
| WEL TWA (OEL TWA) [1] | 10 mg/m ³ mist |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

Sodium Hydroxide (1310-73-2)

United Kingdom - Occupational Exposure Limits

| | |
|----------------------|---------------------------------------|
| Local name | Sodium hydroxide |
| WEL STEL (OEL STEL) | 2 mg/m ³ |
| Regulatory reference | EH40/2005 (Fourth edition, 2020). HSE |

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

No additional information available

8.1.5. Control banding

No additional information available

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8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

Personal protective equipment symbol(s):



8.2.2.1. Eye and face protection

Eye protection:

Safety glasses

8.2.2.2. Skin protection

Skin and body protection:

Wear suitable protective clothing

| Skin and body protection | |
|--|----------|
| Type | Standard |
| Chemically resistant protective gloves, Safety shoes | |

Hand protection:

Protective gloves

| Hand protection | | | | | |
|-------------------|---|------------------|----------------|-------------|----------|
| Type | Material | Permeation | Thickness (mm) | Penetration | Standard |
| Disposable gloves | Nitrile rubber (NBR), Polyvinylchloride (PVC) | 3 (> 60 minutes) | | | |

8.2.2.3. Respiratory protection

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|-------------------|
| Physical state | : Liquid |
| Colour | : Orange. Yellow. |
| Appearance | : Fluid. |
| Odour | : Not available |
| Odour threshold | : Not available |
| Melting point | : Not applicable |
| Freezing point | : Not available |
| Boiling point | : Not available |
| Flammability | : Non flammable. |

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| | |
|---|---------------------------------------|
| Lower explosion limit | : Not available |
| Upper explosion limit | : Not available |
| Flash point | : > 100 °C Pensky-Martens closed cup. |
| Auto-ignition temperature | : Not available |
| Decomposition temperature | : Not available |
| pH | : 9.8 |
| pH solution concentration | : 3 % |
| Viscosity, kinematic @ 40°C | : 2 mm²/s |
| Solubility | : Not available |
| Partition coefficient n-octanol/water (Log Kow) | : Not available |
| Vapour pressure | : Not available |
| Vapour pressure at 50°C | : Not available |
| Density | : Not available |
| Relative density | : 1.081 |
| Relative vapour density at 20°C | : Not available |
| Particle characteristics | : Not applicable |

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None under recommended storage and handling conditions (see section 7).

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

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 |

2,2 Nitrilotriethanol (102-71-6)

| | |
|--------------------|--------------------|
| LD50 oral rat | 4200 – 11300 mg/kg |
| LD50 dermal rabbit | 2000 mg/kg |

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Sodium Hydroxide (1310-73-2)

LD50 dermal rabbit 325 mg/kg Source: ECHA

Skin corrosion/irritation : Causes severe skin burns.
pH: 9.8

2-aminoethanol (141-43-5)

pH ≈ 12

2,2 Nitrilotriethanol (102-71-6)

pH 10.5

Serious eye damage/irritation : Causes serious eye damage.
pH: 9.8

2-aminoethanol (141-43-5)

pH ≈ 12

2,2 Nitrilotriethanol (102-71-6)

pH 10.5

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified

2,2 Nitrilotriethanol (102-71-6)

IARC group 3 - Not classifiable

Reproductive toxicity : Not classified
STOT-single exposure : May cause respiratory irritation.

2-aminoethanol (141-43-5)

STOT-single exposure May cause respiratory irritation.

STOT-repeated exposure : Not classified
Aspiration hazard : Not classified

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Viscosity, kinematic @ 40°C 2 mm²/s

2-aminoethanol (141-43-5)

Viscosity, kinematic @ 40°C 22.725 mm²/s

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life.
Hazardous to the aquatic environment, short-term (acute) : Very toxic to aquatic life.
Hazardous to the aquatic environment, long-term (chronic) : Not classified
Not rapidly degradable

2,2 Nitrilotriethanol (102-71-6)

LC50 - Fish [1] 11800 mg/l

EC50 - Crustacea [1] 609.98 mg/l

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2,2 Nitrilotriethanol (102-71-6)

| | |
|-------------|----------|
| ErC50 algae | 169 mg/l |
|-------------|----------|

Glycerine (56-81-5)

| | |
|-----------------|---|
| LC50 - Fish [1] | 54000 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) |
|-----------------|---|

Sodium Hydroxide (1310-73-2)

| | |
|----------------------|------------------------|
| LC50 - Fish [1] | 125 mg/l |
| EC50 - Crustacea [1] | 40.4 mg/l Source: ECHA |

12.2. Persistence and degradability

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| | |
|-------------------------------|------------------|
| Persistence and degradability | Not established. |
|-------------------------------|------------------|

12.3. Bioaccumulative potential

2-aminoethanol (141-43-5)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Kow) | -1.91 |
|---|-------|

2,2 Nitrilotriethanol (102-71-6)

| | |
|---|-------|
| Partition coefficient n-octanol/water (Log Pow) | -1.59 |
|---|-------|

Sodium Hydroxide (1310-73-2)

| | |
|---|-------------------|
| Partition coefficient n-octanol/water (Log Pow) | -3.88 Source: SRC |
|---|-------------------|

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

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

| | |
|-----------------------------------|---|
| Waste treatment methods | : Dispose of contents/container in accordance with licensed collector's sorting instructions. |
| European List of Waste (LoW) code | : 15 01 10* - packaging containing residues of or contaminated by dangerous substances 13 01 05* - non-chlorinated emulsions |
| HP Code | : HP8 - "Corrosive:" waste which on application can cause skin corrosion. |






SECTION 14: Transport information

In accordance with ADR / IMDG / IATA / ADN / RID

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| ADR | IMDG | IATA | ADN | RID |
|---|---|--|--|--|
| 14.1. UN number or ID number | | | | |
| UN 3082 | UN 3082 | UN 3082 | UN 3082 | UN 3082 |
| 14.2. UN proper shipping name | | | | |
| ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole) | Environmentally hazardous substance, liquid, n.o.s. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole) | ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole) |
| Transport document description | | | | |
| UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole), 9, III, (-) | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole), 9, III, MARINE POLLUTANT (100°C c.c.) | UN 3082 Environmentally hazardous substance, liquid, n.o.s. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole), 9, III | UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.; Pyridine-2-thiol 1-oxide, sodium salt; 1H-Benzotriazole), 9, III |
| 14.3. Transport hazard class(es) | | | | |
| 9 | 9 | 9 | 9 | 9 |
|  |  |  |  |  |
| 14.4. Packing group | | | | |
| III | III | III | III | III |
| 14.5. Environmental hazards | | | | |
| Dangerous for the environment: Yes | Dangerous for the environment: Yes Marine pollutant: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes | Dangerous for the environment: Yes |
| No supplementary information available | | | | |

14.6. Special precautions for user

Overland transport

| | |
|---|---------------------------|
| Classification code (ADR) | : M6 |
| Special provisions (ADR) | : 274, 335, 375, 601 |
| Limited quantities (ADR) | : 5I |
| Excepted quantities (ADR) | : E1 |
| Packing instructions (ADR) | : P001, IBC03, LP01, R001 |
| Special packing provisions (ADR) | : PP1 |
| Mixed packing provisions (ADR) | : MP19 |
| Portable tank and bulk container instructions (ADR) | : T4 |

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Portable tank and bulk container special provisions (ADR) : TP1, TP29

Tank code (ADR) : LGBV

Vehicle for tank carriage : AT

Transport category (ADR) : 3

Special provisions for carriage - Packages (ADR) : V12

Special provisions for carriage - Loading, unloading and handling (ADR) : CV13

Hazard identification number (Kemler No.) : 90

Orange plates :



Tunnel restriction code (ADR) : -

EAC code : •3Z

Transport by sea

Special provisions (IMDG) : 274, 335, 969

Limited quantities (IMDG) : 5 L

Excepted quantities (IMDG) : E1

Packing instructions (IMDG) : LP01, P001

Special packing provisions (IMDG) : PP1

IBC packing instructions (IMDG) : IBC03

Tank instructions (IMDG) : T4

Tank special provisions (IMDG) : TP1, TP29

EmS-No. (Fire) : F-A

EmS-No. (Spillage) : S-F

Stowage category (IMDG) : A

Air transport

PCA Excepted quantities (IATA) : E1

PCA Limited quantities (IATA) : Y964

PCA limited quantity max net quantity (IATA) : 30kgG

PCA packing instructions (IATA) : 964

PCA max net quantity (IATA) : 450L

CAO packing instructions (IATA) : 964

CAO max net quantity (IATA) : 450L

Special provisions (IATA) : A97, A158, A197, A215

ERG code (IATA) : 9L

Inland waterway transport

Classification code (ADN) : M6

Special provisions (ADN) : 274, 335, 375, 601

Limited quantities (ADN) : 5 L

Excepted quantities (ADN) : E1

Carriage permitted (ADN) : T

Equipment required (ADN) : PP

Number of blue cones/lights (ADN) : 0

Rail transport

Classification code (RID) : M6

Special provisions (RID) : 274, 335, 375, 601

Limited quantities (RID) : 5L

Excepted quantities (RID) : E1

Packing instructions (RID) : P001, IBC03, LP01, R001

Special packing provisions (RID) : PP1

Mixed packing provisions (RID) : MP19

Portable tank and bulk container instructions (RID) : T4

Portable tank and bulk container special provisions (RID) : TP1, TP29

(RID)

Tank codes for RID tanks (RID) : LGBV

Transport category (RID) : 3

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Special provisions for carriage – Packages (RID) : W12
Special provisions for carriage - Loading, unloading and handling (RID) : CW13, CW31
Colis express (express parcels) (RID) : CE8
Hazard identification number (RID) : 90

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

15.1.1. 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 (1005/2009)

Contains no substance(s) listed on the Ozone Depletion list (Regulation EU 1005/2009 on substances that deplete the ozone layer)

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)

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

A chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:

| | |
|------|---|
| ADN | European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways |
| ADR | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| ATE | Acute Toxicity Estimate |
| BCF | Bioconcentration factor |
| BLV | Biological limit value |
| BOD | Biochemical oxygen demand (BOD) |
| COD | Chemical oxygen demand (COD) |
| DMEL | Derived Minimal Effect level |

Supergrind Plus

Safety Data Sheet

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

| Abbreviations and acronyms: | |
|-----------------------------|--|
| DNEL | Derived-No Effect Level |
| EC-No. | European Community number |
| EC50 | Median effective concentration |
| EN | European Standard |
| IARC | International Agency for Research on Cancer |
| IATA | International Air Transport Association |
| IMDG | International Maritime Dangerous Goods |
| LC50 | Median lethal concentration |
| LD50 | Median lethal dose |
| LOAEL | Lowest Observed Adverse Effect Level |
| NOAEC | No-Observed Adverse Effect Concentration |
| NOAEL | No-Observed Adverse Effect Level |
| NOEC | No-Observed Effect Concentration |
| OECD | Organisation for Economic Co-operation and Development |
| OEL | Occupational Exposure Limit |
| PBT | Persistent Bioaccumulative Toxic |
| PNEC | Predicted No-Effect Concentration |
| RID | Regulations concerning the International Carriage of Dangerous Goods by Rail |
| SDS | Safety Data Sheet |
| STP | Sewage treatment plant |
| ThOD | Theoretical oxygen demand (ThOD) |
| TLM | Median Tolerance Limit |
| VOC | Volatile Organic Compounds |
| CAS-No. | Chemical Abstract Service number |
| N.O.S. | Not Otherwise Specified |
| vPvB | Very Persistent and Very Bioaccumulative |
| ED | Endocrine disrupting properties |

Other information

: The classification in section 2 applies to the undiluted product as supplied. It may not apply when the product is diluted for use at the correct operating strength. USE RESTRICTIONS/CAUTIONARY NOTE: Cemented carbides sometimes referred to as 'Tungsten carbides' or 'Hard Metals' contains significant quantities of cobalt or nickel and sometimes chromium and other transition metals. This product is NOT inhibited to prevent potentially hazardous levels of dissolved Cobalt and other transition metals being produced by the grinding of 'Hard metals'.

| Full text of H- and EUH-statements: | |
|-------------------------------------|---|
| Acute Tox. 3 (Dermal) | Acute toxicity (dermal), Category 3 |
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal), Category 4 |
| Acute Tox. 4 (Inhalation) | Acute toxicity (inhal.), Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment – Acute Hazard, Category 1 |

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| Full text of H- and EUH-statements: | |
|-------------------------------------|--|
| Aquatic Chronic 2 | Hazardous to the aquatic environment – Chronic Hazard, Category 2 |
| Aquatic Chronic 3 | Hazardous to the aquatic environment – Chronic Hazard, Category 3 |
| EUH070 | Toxic by eye contact. |
| Eye Dam. 1 | Serious eye damage/eye irritation, Category 1 |
| Eye Irrit. 2 | Serious eye damage/eye irritation, Category 2 |
| H290 | May be corrosive to metals. |
| H302 | Harmful if swallowed. |
| H311 | Toxic in contact with skin. |
| H312 | Harmful in contact with skin. |
| H314 | Causes severe skin burns and eye damage. |
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H400 | Very toxic to aquatic life. |
| H411 | Toxic to aquatic life with long lasting effects. |
| H412 | Harmful to aquatic life with long lasting effects. |
| Met. Corr. 1 | Corrosive to metals, Category 1 |
| Skin Corr. 1A | Skin corrosion/irritation, Category 1, Sub-Category 1A |
| Skin Corr. 1B | Skin corrosion/irritation, Category 1, Sub-Category 1B |
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| STOT SE 3 | Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation |

| Full text of use descriptors | |
|------------------------------|---|
| ERC2 | Formulation into mixture |
| PC25 | Metal working fluids |
| PROC5 | Mixing or blending in batch processes |
| PROC8b | Transfer of substance or mixture (charging and discharging) at dedicated facilities |
| SU3 | Industrial uses: Uses of substances as such or in preparations at industrial sites |

The classification complies with : ATP 12

Safety Data Sheet (SDS), EU

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.