

Safety Data Sheet
in accordance with HSNO

Printing date 12.12.2023

Version number 1.4 (replaces version 1.3)

Revision: 12.12.2023

* **SECTION 1: Identification of the substance or mixture and of the supplier**

- **Product identifier**
- **Trade name: Cut Force PRO**
- **Article number: 22203**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Abrasive and polishing compound
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
Menzerna polishing compounds GmbH & Co. KG
Industriestraße 25
76470 ÖTIGHEIM
GERMANY
sds@menzerna.com
Tel.: +49 (0) 7222 9157-0
www.menzerna.com
- **New Zealand Distributor:**
Wyatt Machine Tools Rupes (NZ) Limited
388 Church Street, Penrose, Auckland, New Zealand
Ph (09) 525 1000
- **Further information obtainable from:** info@wyatt.co.nz
- **Emergency telephone number:** 0800 992 881 (0800WYATT1)

SECTION 2: Hazards identification

- **Classification of the substance or mixture**
The product is not classified, according to the Globally Harmonised System (GHS).
- **Label elements**
- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/Information on ingredients

- **Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

| · Dangerous components: | | |
|--------------------------------------|---|---------|
| CAS: 64742-55-8 EINECS: 265-158-7 | Distillates (petroleum), hydrotreated light paraffinic ⚠ Asp. Tox. 1, H304 | 2.5-10% |
| CAS: 7757-79-1 EINECS: 231-818-8 | potassium nitrate ⚠ Ox. Sol. 2, H272; ⚠ Acute Tox. 3, H331 | ≤2.5% |

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| | | |
|-----------------------------------|--|----------|
| CAS: 69011-36-5 | Isotridecaanol, ethoxylated ☠ Acute Tox. 3, H301; ☠ Eye Dam. 1, H318 | ≥0-≤2.5% |
| CAS: 52-51-7 EINECS: 200-143-0 | bronopol (INN) ☠ Eye Dam. 1, H318; ☠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ☠ Acute Tox. 4, H302; Acute Tox. 4, H312; Skin Irrit. 2, H315; STOT SE 3, H335 | ≤2.5% |

Additional information:

CAS: 64742-55-8: Note L: The harmonised classification as a carcinogen is made unless it can be shown that the substance contains less than 3% dimethyl sulphoxide extract as measured by method IP 346 ("Determination of polycyclic aromatics in unused lubricating oils and asphalt-free petroleum fractions - Dimethyl Sulphoxide Extraction Refractive Index Method", Institute of Petroleum, London). Result: : DMSO extract < 3% according to method IP 346
For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

Description of first aid measures

After inhalation: Supply fresh air; consult doctor in case of complaints.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

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

After swallowing:

If symptoms persist consult doctor.

Rinse out mouth and then drink plenty of water.

Most important symptoms and effects, both acute and delayed

No further relevant information available.

Indication of any immediate medical attention and special treatment needed

Treat according to symptoms.

SECTION 5: Fire fighting measures

Extinguishing media

Suitable extinguishing agents: Water spray, foam, dry powder or carbon dioxide.

For safety reasons unsuitable extinguishing agents: Water with full jet

Special hazards arising from the substance or mixture No further relevant information available.

Advice for firefighters Adapt extinguishing measures to the surroundings.

Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Ensure adequate ventilation. Use personal protection recommended in section 8.

Environmental precautions: Do not allow to enter sewers/ surface or ground water.

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- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- **Precautions for safe handling** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**
Store in a well-ventilated place. Storage temperature: between 5°C and 30°C.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Specific end use(s)** No further relevant information available.

SECTION 8: Exposure controls/personal protection

- **Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

CAS: 1344-28-1 aluminium oxide (10-25%)

WES Long-term value: 10 mg/m³

CAS: 56-81-5 glycerol (≤2.5%)

WES Long-term value: 10 mg/m³
mist

CAS: 102-71-6 Triethanolamine (≤2.5%)

WES Long-term value: 5 mg/m³

CAS: 100-37-8 2-diethylaminoethanol (≤2.5%)

WES Long-term value: 48 mg/m³, 10 ppm
skin

- **DNELs**

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

Inhalative DNEL 1.19 mg/m³ (general population)

DNEL, worker, inhalativ 5.58 mg/m³

- **Additional information:** The lists valid during the making were used as basis.

- **Exposure controls**

- **Appropriate engineering controls** No further data; see section 7.

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

- **General protective and hygienic measures:**

Wash hands before breaks and at the end of work.

The design of body protection equipment must be selected specifically for the workplace, depending on the concentration and quantity of hazardous substances.

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· **Respiratory protection:**

Not necessary when used as intended. Ventilate work area well. Respiratory protection is required in case of dusts/vapours/aerosols as well as increased concentration in the air (filter class according to DIN EN 141). Observe wearing time limitations.

· **Hand protection**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**

Recommended thickness of the material: ≥ 0.45 mm

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

Nitrile rubber, NBR

· **Penetration time of glove material**

≥ 480 min

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

· **Eye/face protection**

Frame goggles with side protection (according to DIN EN 166:2001, Personal eye protection - Requirements).

· **Body protection:** Protective work clothing

SECTION 9: Physical and chemical properties

· **Information on basic physical and chemical properties**

· **General Information**

· **Physical state**

Fluid

· **Colour:**

White

· **Odour:**

Characteristic

· **Odour threshold:**

Not determined.

· **Melting point/freezing point:**

Undetermined.

· **Boiling point or initial boiling point and boiling range**

100 °C (212 °F)

· **Flammability**

Not applicable.

· **Lower and upper explosion limit**

· **Lower:**

Not determined.

· **Upper:**

Not determined.

· **Flash point:**

>100 °C (>212 °F)

· **Decomposition temperature:**

Not determined.

· **pH at 20 °C (68 °F)**

7-9

· **Viscosity:**

· **Kinematic viscosity**

Not determined.

· **Dynamic at 20 °C (68 °F):**

7,500-15,000 mPas

· **Solubility**

· **water:**

Not miscible or difficult to mix.

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| | |
|--|---|
| · Partition coefficient n-octanol/water (log value) | Not determined. |
| · Vapour pressure: | Not determined. |
| · Density and/or relative density | |
| · Density at 20 °C (68 °F): | 1.13 g/cm ³ (9.43 lbs/gal) |
| · Relative density | Not determined. |
| · Vapour density | Not determined. |
| · Other information | DMSO extract < 3% according to method IP 346 |
| · Appearance: | |
| · Form: | Viscous |
| · Important information on protection of health and environment, and on safety. | |
| · Ignition temperature: | Product is not selfigniting. |
| · Explosive properties: | Product does not present an explosion hazard. |
| · Solvent content: | |
| · VOC (EC) | 0.00 % |
| · Change in condition | |
| · Softening point/range | |
| · Oxidising properties | Not determined. |
| · Evaporation rate | Not determined. |
| · Information with regard to physical hazard classes | |
| · Explosives | Void |
| · Flammable gases | Void |
| · Aerosols | Void |
| · Oxidising gases | Void |
| · Gases under pressure | Void |
| · Flammable liquids | Void |
| · Flammable solids | Void |
| · Self-reactive substances and mixtures | Void |
| · Pyrophoric liquids | Void |
| · Pyrophoric solids | Void |
| · Self-heating substances and mixtures | Void |
| · Substances and mixtures, which emit flammable gases in contact with water | Void |
| · Oxidising liquids | Void |
| · Oxidising solids | Void |
| · Organic peroxides | Void |
| · Corrosive to metals | Void |
| · Desensitised explosives | Void |

SECTION 10: Stability and reactivity

- **Reactivity** None under normal conditions.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.

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- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

| | | |
|--------|------|-----------------------|
| Oral | LD50 | >5,000 mg/kg (rat) |
| Dermal | LD50 | >2,000 mg/kg (rabbit) |

CAS: 7757-79-1 potassium nitrate

| | | |
|--------|------|--------------------|
| Oral | LD50 | >2,000 mg/kg (rat) |
| Dermal | LD50 | >5,000 mg/kg (rat) |

CAS: 52-51-7 bronopol (INN)

| | | |
|------|------|-----------------|
| Oral | LD50 | 305 mg/kg (rat) |
|------|------|-----------------|

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.
- **Information on other hazards**

- **Endocrine disrupting properties**

None of the ingredients is listed.

SECTION 12: Ecological information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 64742-55-8 Distillates (petroleum), hydrotreated light paraffinic

| | |
|------------|--|
| EL50 (48h) | >10,000 mg/l (daphnia) |
| LL50 (96h) | >100 mg/l (pimephales promelas) |
| NOEL | >100 mg/l /3 d (Pseudokirchneriella subcapitata) |
| NOEL (21d) | >10 mg/l (daphnia) |

CAS: 52-51-7 bronopol (INN)

| | |
|------------|------------------------------|
| LC50/96h | 3 mg/l (Oncorhynchus mykiss) |
| EC50 (3h) | 13 mg/l (sewage plant) |
| EC50 (48h) | 1.04 mg/l (dah) |

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| | |
|------------|---------------------------------|
| EC50 (72h) | 0.068 mg/l (al) |
| NOEC (72h) | 0.0025 mg/l (al) |
| NOEC (21d) | 0.06 mg/l (dah) |
| NOEC (28d) | 2.61 mg/l (Oncorhynchus mykiss) |

- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Endocrine disrupting properties**
The product does not contain substances with endocrine disrupting properties.
- **Other adverse effects**
- **Additional ecological information:**
- **General notes:**
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **Waste disposal key:**
Waste codes should be determined in consultation with the customer, supplier and disposal.
- **Uncleaned packaging:**
- **Recommendation:**
Packagings that may not be cleansed are to be disposed of in the same manner as the product.

SECTION 14: Transport information

| | |
|---------------------------------------|-----------------|
| · UN number or ID number | |
| · NZS/RID, IMDG, IATA | Void |
| · UN proper shipping name | |
| · NZS/RID, IMDG, IATA | Void |
| · Transport hazard class(es) | |
| · NZS/RID, ADN, IMDG, IATA | |
| · Class | Void |
| · Packing group | |
| · NZS/RID, IMDG, IATA | Void |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |

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- | | |
|--|-----------------|
| · Maritime transport in bulk according to IMO instruments | Not applicable. |
| · UN "Model Regulation": | Void |

* **SECTION 15: Regulatory information**

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

· **New Zealand Inventory of Chemicals**

All ingredients are listed.

· **HSNO Approval numbers**

| | | |
|----------------|-------------------|-----------|
| CAS: 7757-79-1 | potassium nitrate | HSR001338 |
| CAS: 52-51-7 | bronopol (INN) | HSR003563 |

- **GHS label elements** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **Other regulations, limitations and prohibitive regulations**
NZ statement: This substance is not classified hazardous according to the EPA hazardous substances (classification) notice 2017
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

* **SECTION 16: Other information**

The information in the safety data sheet applies only to the product described in connection with its intended use. The information is based on the current state of our knowledge. In particular, they serve to describe our product with regard to the hazards it presents and the applicable safety precautions. They do not constitute a guarantee of product and quality characteristics.

· **Relevant phrases**

- H272 May intensify fire; oxidizer.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H331 Toxic if inhaled.
- H335 May cause respiratory irritation.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

- **Contact:** info@wyatt.co.nz

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· **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Ox. Sol. 2: Oxidizing solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1

· * **Data compared to the previous version altered.**