

Safety Data Sheet

acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

Issued on 06/28/2018

Edition number 3

Reviewed on 06/28/2018

1 Identification

Product identifier**Trade name:** Blasocut® 2000 CF**Article number:** 00875-80**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

Application of the substance / the preparation:

For industrial use only

Metalworking fluid concentrate

Details of the supplier of the safety data sheet**Manufacturer / Supplier:**

BLASER SWISSLUBE, Inc.

31 Hatfield Lane

Goshen, NY 10924

USA

Phone: +1 (0) 845 294 32 00

Fax : +1 (0) 845 294 31 02

Mailto: mailboxusa@blaser.com

Information department:

Product Safety Department

E-mail: sds@blaser.com

Emergency telephone number:

Within USA and Canada : 1-800-424-9300

Outside USA and Canada: +1-703-527-3887 (collect calls accepted)

2 Hazard(s) identification

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

Causes serious eye irritation.

Label elements**GHS label elements** The product is classified and labeled according to 29 CFR 1910.1200 (OSHA Hazcom 2012).**Hazard pictograms**

GHS07

Signal word Warning**Hazard statements**

H319 Causes serious eye irritation.

Precautionary statements

P264 Wash thoroughly after handling.

P280 Wear eye protection / face protection.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

Other hazards None

3 Composition/information on ingredients

Chemical characterization: Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions.

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Declarable components:
CAS no.

64742-52-5	Mineral oil, severely hydrotreated, naphthenic	>50-<80%
107-41-5	Hexylene glycol	>1-6.9%
68608-26-4	Sodium petroleum sulfonate	>1-4.9%
770-35-4	1-Phenoxypropan-2-ol	>1-2.9%

Additional information:

The specific chemical identity and/or exact percentage concentration of proprietary components is withheld as a trade secret.

4 First-aid measures

Description of first aid measures

After inhalation: Not applicable, as the concentrate is not volatile.

After skin contact: Generally the product does not irritate the skin.

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.

Information for doctor:

Most important symptoms and effects, both acute and delayed No further relevant information available.

Indication of any immediate medical attention and special treatment needed

No further relevant information available.

5 Fire-fighting measures

Extinguishing media

Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fires with water spray.

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

Protective equipment: No special measures required.

Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures Not required.

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

Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

No dangerous substances are released.

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

Handling:**Precautions for safe handling**

The product has been classified and marked in accordance with directives on hazardous materials.

Observe the general safety regulations when handling chemicals.

Information about protection against explosions and fires: No special measures required.

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Conditions for safe storage, including any incompatibilities**Storage:****Requirements to be met by storerooms and receptacles:** Store only in the original receptacle.**Information about storage in one common storage facility:**

Do not store together with oxidizing and acidic materials.

Further information about storage conditions:

Protect from heat and direct sunlight.

Protect from frost.

Optimal storage temperature between -94°F and 104°F

Minimum shelf life: In closed, original container, at least 24 months.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical systems: No further data; see item 7.**Control parameters****Components with limit values at the workplace:**NIOSH Recommended exposure limit for Metalworking fluids: 0.5 mg/m³ (particulate)**64742-52-5 Mineral oil, severely hydrotreated, naphthenic**ACGIH TLV (US) Long-term value: 5 mg/m³OSHA PEL (US) Long-term value: 5 mg/m³**107-41-5 Hexylene glycol**

EL (Canada) Ceiling limit value: 25 ppm

EV (Canada) Ceiling limit value: 120 mg/m³, 25 ppmREL (USA) Ceiling limit value: 125 mg/m³, 25 ppm

TLV (USA) Short-term value: 50* 10** ppm

Long-term value: 25* ppm

*vapor **inh. fraction, aerosol only

Additional information: The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Respiratory Protection: Not required.**Protection of hands:**

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves (recommended): Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm.**Breakthrough time of glove material:**

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

Eye protection (recommended):

Use of tight fitting goggles

Eye protector with side protection (framed eyeglasses) ANSI Z87.1 – 2010

Body protection (recommended): Protective work clothing

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9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Brown
Odor:	like almonds
Odor threshold:	Not determined.

pH-value: 8.5 - 9.2 @ 5% in H₂O (DIN 51369 / ASTM D1287)

Change in condition:

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>200 °C (>392 °F) (DIN 51751 / ASTM D86)

Flash point: >130 °C (>266 °F) (ISO 2592 / ASTM D92)
Evaporation rate: Not determined.

Flammability (solid, gaseous): Not applicable.

Explosion limits (@1013 mbar): general values for mineral oil, therefore not product specific
Lower: Not determined.
Upper: Not determined.
Oxidizing properties: Not applicable.
Relative density: 0.94 @ 68°F (20°C) (DIN 51757 / ASTM D1217)
Vapor density: Not applicable.
Evaporation rate: Not determined.

Solubility in / Miscibility with Water: Emulsifiable.

Partition coefficient (n-octanol/water): Not determined.
Auto-ignition temperature: Product is not selfigniting.
Decomposition temperature: Not determined.

Viscosity
Kinematic at 40 °C (104 °F): 40.2 mm²/s (ISO 3104 / ASTM D445)

VOC content: 106 g/l (ASTM E1868-10); Concentrate in the packaging as sold.
26.5 g/l (ASTM E1868-10) @ Maximum concentration 25%

Other information: none

10 Stability and reactivity

Reactivity None known if used as directed.

Chemical stability Stable under recommended storage conditions.

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

Possibility of hazardous reactions Reacts with strong acids and oxidizing agents.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products
(in case of fire or oxidation):

Carbon monoxide and carbon dioxide
Sulfur oxides (SO_x)

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11 Toxicological information

Information on toxicological effects

Acute toxicity:

LD/LC50 values that are relevant for classification:

ATE (Acute Toxicity Estimate)

Oral	LD50	40,649 mg/kg (rat)
Dermal	LD50	>66,667 mg/kg (rat)

64742-52-5 Mineral oil, severely hydrotreated, naphthenic

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

Primary irritant effect:

on the skin: No irritant effect.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

IARC (International Agency for Research on Cancer)

None of the ingredients is listed in groups 1, 2A, or 2B.

NTP (National Toxicology Program)

None of the ingredients are listed.

12 Ecological information

Toxicity

Aquatic toxicity:

64742-52-5 Mineral oil, severely hydrotreated, naphthenic

EC50/96h	>1,000 mg/L (Brachydanio rerio)
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Persistence and degradability No further relevant information available.

Behavior in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

Additional ecological information:

General notes:

Danger to drinking water if even small quantities leak into the ground.

Do not allow product to reach ground water, water course or sewage system.

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

13 Disposal considerations

Waste treatment methods

Recommendation:

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

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Used containers**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, IMDG, IATA

Not regulated

DOT, IMDG, IATA

Not regulated

DOT, IMDG, IATA

Hazard Classification:

Not regulated

DOT, IMDG, IATA

Not regulated

Environmental hazards**Marine pollutant (according to IMDG):** No**Special precautions for user**

Not applicable.

Transport/Additional information:

Not hazardous according to the above specifications.

IATA

IATA Dangerous Goods Regulation (DGR): latest edition

UN "Model Regulation":

Not regulated

15 Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:****SARA (Superfund Amendments and Reauthorization)****Section 355 (extremely hazardous substances):**

None of the ingredients are listed.

Section 313 (Specific toxic chemical listings):

This product does not contain a chemical that are listed in Section 313.

TSCA (Toxic Substances Control Act):

All ingredients are listed on the U.S. TSCA inventory or exempt from premanufacture notice requirements.

California Proposition 65

This product contains one or more chemicals listed under California Proposition 65. Such chemicals are not used as raw materials in the product formulation but rather are typical impurities of the raw materials.

Carcinogenic categories:**EPA (Environmental Protection Agency)**

None of the ingredients are listed.

NIOSH-Carcinogen list

None of the ingredients are listed.

California SCAQMD Rule 1144:Category: Metalworking Fluid – Metal Removal – General. Recordkeeping requirement: Super Compliant.
(< 50 g/L VOC @ max. use concentration)**GHS label elements** GHS label elements are issued under section 2.**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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H.R.2420 (RoHS):

This product fulfill the H.R.2420 requirements in that the EDEE Act regulated materials are absent or their concentrations are significantly below regulatory thresholds.

IP346:

The mineral oil used in this product passes IP346 for DMSO extractable PAH's (Polycyclic aromatic hydrocarbons).

BSE/TSE:

Materials and/or synthetically modified materials which are of animal origin from bovine, ovine, goats, cats, dogs, deer, elk and/or mink, are NOT included in this product.

NFPA ratings (scale 0-4)

Health = 1

Fire = 1

Reactivity = 0

Hazards of the dilution with water (its intended use):

For the product diluted to 25 % concentration into water (maximum recommended concentration) the following GHS pictograms, signal words, precautionary and hazard statements apply: None

Department issuing SDS: Product Stewardship

Editor's notice:

The above mentioned data correspond to our present state of knowledge and experience. The safety data sheet serves as description of the products in regard to necessary safety measures. The indications have not the meaning of guarantees on properties.

Abbreviations and acronyms:

ICAO: International Civil Aviation Organisation

RoHS: Restriction of Hazardous Substances

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

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

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organisation for Standardisation

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

DMSO: Dimethyl sulphoxide extract

IP 346: Institute of Petroleum and related for testing methods for petroleum and fuel products.

PBT: Persistent, Bioaccumulative and Toxic chemicals

vPvB: very Persistent and very Bioaccumulative chemicals

NIOSH: National Institute for Occupational Safety and Health

OSHA: Occupational Safety and Health Administration

ATE: Acute Toxicity Estimate

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

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

The asterisk (*) on the left side indicate the respective changes from the previous version.