

Material Safety Data Sheet

acc. to OSHA HCS

Blaser.
 SWISSLUBE

Issued on 03/18/2013

Edition number 2

Reviewed on 03/18/2013

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

Product identifier

Trade name: **Blasocut™ BC 35 NF**

Article number: 1351

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

Cooling lubricant / Cutting fluid

Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Blaser Swisslube, Inc.

31 Hatfield Lane

Goshen, NY 10924

USA

Information department:

Product safety dept.

sdb@blaser.com

reach@blaser.com

Emergency telephone number: Phone USA: (845) 294-3200

2 Hazards identification

Classification of the substance or mixture

Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of international guidelines.

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

Classification system:

NFPA ratings (scale 0 - 4)



Health = 0

Fire = 1

Reactivity = 0

HMIS-ratings (scale 0 - 4)



Health = 0

Fire = 1

Reactivity = 0

3 Composition/information on ingredients

Chemical characterization: Mixtures

Description: Mixture of mineral oil, emulsifiers, stabilizers and inhibitors

Declarable components:

CAS no.

64742-52-5	Mineral oil, severely hydrotreated, naphthenic	50-70%
68608-26-4	Sodium petroleum sulfonate	5.0-9.9%
770-35-4	1-Phenoxypropan-2-ol	1.0-5.9%
61790-12-3	Fatty acids, tall-oil	1.0-4.9%
115-70-8	Alcanol amine (-primary)	1.0-2.9%
125304-09-8	Ether carboxylic acid, alcoxylated, polymer	1.0-2.4%

(Contd. on page 2)

USA

Issued on 03/18/2013

Edition number 2

Reviewed on 03/18/2013

Trade name: Blasocut™ BC 35 NF

(Contd. of page 1)

Additional information: Not mentioned CAS no. are to be regarded as Proprietary/Confidential.**4 First aid measures****Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:** Generally the product does not irritate the skin.**After eye contact:** Rinse opened eye for several minutes under running water.**After swallowing:** If symptoms persist consult 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 Firefighting 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.**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**Precautions for safe handling**

The product is not subject to identification regulations according to directives on hazardous materials. Observe the general safety regulations when handling chemicals.

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

Store away from oxidizing agents.

Further information about storage conditions:

Protect from frost.

Protect from heat and direct sunlight.

Storage temperature between 32°F and 104°F

(Contd. on page 3)

USA

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Edition number 2

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Trade name: Blasocut™ BC 35 NF

(Contd. of page 2)

Duration of Storage: 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: 0.5mg/m³ (particulate)

OSHA 29 CFR 1910.1000 for oil mist in air: 5 mg/m³

ACGIH: TLV for oil mist in air: 5 mg/m³

Additional information: The lists that were valid during the creation were used as basis.

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures for handling chemicals should be followed.

Respiratory Protection: Not required.

Material of gloves

Suitable protective gloves: Nitrile gloves, minimum thickness of 0.3 mm. Corresponds to the European standards DIN/EN 374-2 and 374-3.

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

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form: Fluid
Color: Brown
Odor: like almonds

pH-value: 8.5 - 9.2 @ 5% in water (ASTM D1287)

Change in condition:

Melting point/Melting range: Not applicable
Boiling point/Boiling range: > 572°F (> 300 °C) ASTM D86
Drip point: Not applicable
Pour point: <- 22°F (<- 30 °C) ASTM D97

Flash point: 306°F (152 °C) ASTM D92
Ignition temperature: > 932°F (> 500 °C) ASTM E659
Not applicable

Auto igniting: Product is not selfigniting.

Danger of explosion: Product does not present an explosion hazard.

Density: 0.95 g/cm³ @ 68°F (20 °C) ASTM D1217

Solubility in / Miscibility with

Water: Emulsifiable.

(Contd. on page 4)

USA

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acc. to OSHA HCS

Blaser.
SWISSLUKE

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Edition number 2

Reviewed on 03/18/2013

Trade name: Blasocut™ BC 35 NF

(Contd. of page 3)

Viscosity**Kinematic:**55 mm²/s @ 104°F (40 °C) ASTM D445**VOC content**21.7 g/L (ASTM E1868-10) @ Maximum concentration 15%
144 g/L (ASTM E1868-10); Concentrate in the packaging as sold.**Other information:**

safety relevant data, which has to be considered as product specifications.

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

Nitrogen oxides (NOx)

Sulfur oxides (SOx)

11 Toxicological information**Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:**

> 2000 - < 5000 mg / kg (oral, rat)

> 5,100 mg/m³ 4h (inhalation, rat)**64742-52-5 Mineral oil, severely hydrotreated, naphthenic**

Oral LD50 > 5000 mg/kg (rat)

Dermal LD50 > 2000 mg/kg (rat)

Primary irritant effect:**on the skin:** No irritant effect.**on the eye:** No irritating effect.**Sensitization:** No sensitizing effects known.**Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations:

When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

Carcinogenic categories**IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

USA

(Contd. on page 5)

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Edition number 2

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Trade name: Blasocut™ BC 35 NF

(Contd. of page 4)

12 Ecological information**Toxicity****Aquatic toxicity:**

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

EC50 >1000 mg/kg (Bra)

Persistence and degradability No further relevant information available.**Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Additional ecological information:****General notes:** 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.

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

DOT, ADR, IMDG, IATA not applicable

DOT, IMDG, IATA

Hazard Classification: not applicable

Environmental hazards

Marine pollutant (according to IMDG): No

Transport/Additional information: Not hazardous according to the above specifications.**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 is 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.

California Proposition 65**Listed substances:**

None of the ingredients is listed.

(Contd. on page 6)

USA

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acc. to OSHA HCS

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Reviewed on 03/18/2013

Trade name: Blasocut™ BC 35 NF

(Contd. of page 5)

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

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

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Carcinogen list

None of the ingredients is listed.

National Toxicology Program (OSHA)

None of the ingredients is listed.

California SCAQMD Rule 1144:

Category: Metalworking Fluid – Metal Removal – General. Recordkeeping requirement: Super Compliant.

National regulations: no further regulations.**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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.

RoHS:

This product conforms to the RoHS Directive in that the RoHS 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).

Department issuing MSDS: Product Safety Department**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:

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

ACGIH: American Conference of Governmental Industrial Hygienists

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

NFPA: National Fire Protection Association (USA)

VOC: Volatile Organic Compounds (USA, EU)

ISO: International Organization for Standardization

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

HMIS: Hazardous Materials Information System (USA)

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

(Contd. on page 7)

USA

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Trade name: Blasocut™ BC 35 NF

(Contd. of page 6)

vPvB: very Persistent and very Bioaccumulative chemicals
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration

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

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

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