

Material Safety Data Sheet

acc. to ISO/DIS 11014

Blasocut BC 935
Blaser.
SWISSLUBE

Printing date 04/01/2011

Version number 1

Reviewed on 04/01/2011

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

Product identifier

Trade name: Blasocut® BC 935

Article number: 1935-02

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

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 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%
Proprietary	Fatty acids, compounds with alcanolamines	5.0-9.9%
770-35-4	1-Phenoxypropan-2-ol	5.0-9.9%
Proprietary	Ethercarboxylic acid, mixture with alcanolamines	1.0-4.9%

3 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.

Label elements

Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

NFPA ratings (scale 0 - 4)



Health = 1
Fire = 1
Reactivity = 0

HMS-ratings (scale 0 - 4)



HEALTH **1** Health = 1
FIRE **1** Fire = 1
REACTIVITY **0** Reactivity = 0

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Other hazards**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**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.**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 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**Handling:****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.

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Further information about storage conditions:

Protect from frost.
 Protect from heat and direct sunlight.
 Storage temperature between -94°F and +104°F
 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: Nitril gloves, minimum thickness of 0.3 mm, e.g. Ultranitril type 491.
 Corresponds to the standards DIN/EN 374-2 and 374-3.

Break-tough time of glove material:

The exact break trough 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) EN 166

Body protection: Protective work clothing

9 Physical and chemical properties
Information on basic physical and chemical properties
General Information
Appearance:**Form:**

Liquid

Color:

Dark brown

Odor:

Specific type

pH-value: 8.8 - 9.5 @ 50g/l H₂O (ASTM D1287)

Change in condition

Melting point/Melting range: Not applicable

Boiling point/Boiling range: > 572 °F

Drip point: (> 300°C) ASTM D86

Pour point: <- 4°F
 (<- 20°C) ASTM D97

Flash point: 266°F
 (130°C) ASTM D92

Ignition temperature: > 932°F
 (> 500°C)

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

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Danger of explosion:	Product does not present an explosion hazard.
Refractive index:	1.493
Density:	0.95 g/cm ³ @ 68°F (20°C) ASTM D1217
Solubility in / Miscibility with Water:	Emulsifiable.
Viscosity:	70 mm ² /s @ 104°F (40°C) ASTM D445
Kinematic:	safety relevant data, which has to be considered as product specifications.
Other information	

10 Stability and reactivity**Reactivity****Chemical stability****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:**

Carbon monoxide and carbon dioxide

Sulfur oxides (SOx)

Nitrogen oxides (NOx)

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)**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.

12 Ecological information**Toxicity****Aquatic toxicity:** No further relevant information available.**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:**Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.

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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.

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**Recommended cleansing agent:** Water, if necessary with cleansing agents.**14 Transport information****DOT regulations:****Hazard class:** -**Land transport ADR/RID (cross-border):****ADR/RID class:** -**Maritime transport IMDG:****IMDG Class:** -**Marine pollutant:** No**Air transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:** -**Transport/Additional information:** Not dangerous according to the above specifications.**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture**
Sara**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.

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.

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

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

Product related hazard informations:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

National regulations: none**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.

Regulations / approvals / other listings:

SVHC (Substances of Very High Concern) according to REACH, article 57:

This preparation does not contain any ingredients listed within this regulation.

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 contained refined mineral oils are exempt of labeling.

The content of polycyclic aromatic hydrocarbons (PCA) according to IP346 is <3% (DMSO-extract).

International Approvals:

TSCA (Toxic Substances Control Act, United States): all substances are registered and have CAS numbers.

DSL (Canada): all substances are registered or listed.

The product does not contain:

Nitrite, nitrite releasing agents, formaldehyde, formaldehyde releasing substances, heavy metals, triazine (HHT), boron acid ester, secondary amines, diethanolamine, NDELA and/or nitrosamines, silicone, polychlorinated biphenyls and terphenylid (PCB, PCT) TCDD, dioxine-containing substances, chlorines or other halogens.

Zinc-, chlorine-, silicon- and/or sulfur compounds (as EP additives).

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

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