

1 Identification**Product identifier****Trade name:** Blasomill 10 DM**Article number:** 03176-01**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

Metal working fluid

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

BLASER SWISSLUBE, Inc.

31 Hatfield Lane

Goshen, NY 10924

USA

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Information department:

Product Safety Department

E-mail: sds@blaser.com

Emergency telephone number:

For advice on chemical emergencies, spillages, fires or exposures: +1 866 928 0789 (Toll free)

2 Hazard identification**Classification of the substance or mixture**

May be fatal if swallowed and enters airways.

Label elements**GHS label elements** acc. to Hazardous Products Regulations (HPR)**Hazard pictograms****Signal word** Danger**Hazard-determining components of labeling:**

Distillates (petroleum), hydrotreated light naphthenic

Hydrocarbons C₁₅ - C₂₀, N-alkanes, iso alkanes

Distillates (petroleum), hydrotreated light

Hazard statements

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P301+P310 If swallowed: Immediately call a poison center/doctor.

P331 Do NOT induce vomiting.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards None**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.

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3 Composition/Information on ingredients

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

Declarable components:
CAS no.

64742-53-6	Distillates (petroleum), hydrotreated light naphthenic	30-60% w/w *
64742-46-7	Hydrocarbons C ₁₅ - C ₂₀ , N-alkanes, iso alkanes	15-40% w/w *

* Actual concentration ranges are 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.

After swallowing:

Do not induce vomiting; immediately call for medical help.

A person vomiting while lying on their back should be turned onto their side.

Information for doctor:
Most important symptoms and effects, both acute and delayed Nausea / vomiting

Indication of any immediate medical attention and special treatment needed

If swallowed or in case of vomiting, danger of entering the lungs.

Medical supervision for at least 48 hours.

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.

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 product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

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).

Dispose contaminated material as waste according to item 13.

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.

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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.

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: Store away from oxidizing agents.

Further information about storage conditions:

Protect from heat and direct sunlight.

Optimal storage temperature between -20°C and +40°C.

Optimal storage temperature between -4°F and +104°F

Minimum shelf life: In closed, original container, at least 36 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:

General indication value for metalworking fluids (without obligation): 10 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:

Keep away from foodstuffs, beverages and feed.

Wash hands before breaks and at the end of work.

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

Body protection (recommended): Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Amber colored
Odor:	Weak, characteristic
Odor threshold:	Not determined.

pH-value: Not applicable.

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Change in condition:	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>300 °C (>572 °F) (DIN 51751 / ASTM D86)
Flash point:	155 °C (311 °F) (ISO 2592 / ASTM D92)
Flammability (solid, gaseous):	Not applicable.
Ignition temperature:	>350 °C (>662 °F) (DIN 51794 / ASTM E659)
Decomposition temperature:	Not determined.
Auto igniting:	Product is not selfigniting.
Danger of explosion:	Product does not present an explosion hazard.
Explosion limits (@1013 mbar):	general values for mineral oil, therefore not product specific
Lower:	Not determined.
Upper:	Not determined.
Oxidizing properties	Not applicable.
Density at 20 °C (68 °F):	0.85 g/cm ³ (7.09 lbs/gal) (DIN 51757 / ASTM D1217)
Relative density	0.85 @ 68°F (20°C) (DIN 51757 / ASTM D1217)
Vapor density	Not determined.
Evaporation rate	Not applicable.
Solubility in / Miscibility with Water:	Not determined.
Partition coefficient (n-octanol/water):	Insoluble.
Viscosity	
Kinematic at 40 °C (104 °F):	10 mm ² /s (ISO 3104 / ASTM D445)
Other information:	none
	No further relevant information available.

10 Stability and reactivity

Reactivity None known if used as directed.

Chemical stability Stable under recommended storage conditions.

Possibility of hazardous reactions Reacts with strong 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

Additional information:

No hazardous decomposition products can be expected when properly handled and stored.

Release of flammable substances in distillation systems with solvent recovery possible.

Risk of accumulation in the solvent circuit.

Formation of trimethyl pentene possible.

Formation of hydrogen sulfide possible.

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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)

Dermal	LD50	>10,143 mg/kg (rabbit)
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64742-46-7 Hydrocarbons C₁₅ - C₂₀, N-alkanes, iso alkanes

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>3,160 mg/kg (rabbit) (OECD 402)
Inhalative	LD50	>5,266 mg/L (rat) (OECD 403)

Primary irritant effect:
on the skin: Contact may decrease the skin and cause skin inflammation (dermatitis).

on the eye: No irritating effect.

Sensitization: No sensitizing effects known.

Additional toxicological information:

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

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.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

Aspiration hazard May be fatal if swallowed and enters airways.

12 Ecological information

Toxicity

Aquatic toxicity:
64742-46-7 Hydrocarbons C₁₅ - C₂₀, N-alkanes, iso alkanes

EC50/96h	>10,000 mg/L (Algae) (ISO 10253) 72h. >1,028 mg/L (Brachydanio rerio) (OECD 203) 96h.
EC50/48h	>3,193 mg/L (Daphnia magna) (ISO 14669) 48h.

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.

Ecotoxicological effects:
Remark: Harmful to fish

Additional ecological information:
General notes:

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

Harmful to aquatic organisms

Results of PBT and vPvB assessment
PBT: Not applicable.

vPvB: Not applicable.

Other adverse effects No further relevant information available.

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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

UN-Number

DOT/TDG, ADR, IMDG, IATA Not regulated

DOT/TDG, ADR, IMDG, IATA Not regulated

DOT, IMDG, IATA

Hazard Classification: Not regulated

DOT/TDG, ADR, IMDG, IATA Not regulated

Environmental hazards

Marine pollutant (according to IMDG): No

Special precautions for user Not applicable.

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code 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:

TSCA (Toxic Substances Control Act):

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

Canadian substance listings:

Canadian Domestic Substances List (DSL): (Substances not listed.)

Ester oil

Canadian Non Domestic Substances List (NDSL)

Ester oil

Canadian Environmental Protection Act (CEPA), Schedule 1:

None of the ingredients is listed.

National Pollutant Release Inventory (NPRI)

None of the ingredients are listed.

GHS label elements GHS label elements are issued under section 2.

National regulations:

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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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.

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.

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)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

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)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern (REACH)

DMSO: Dimethyl sulphoxide extract

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

CLP: Classification, Labeling and Packaging (European GHS)

PBT: Persistent, Bioaccumulative and Toxic chemicals

vPvB: very Persistent and very Bioaccumulative chemicals

ATE: Acute Toxicity Estimate

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

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