

## 1 Identification

**Product identifier****Trade name:** Additive M21**Article number:** 29107-01**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

Corrosion inhibitors

Additive

**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:**

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

## 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**

Harmful if swallowed.

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****Signal word** Warning**Hazard-determining components of labeling:**

Benzotriazole, potassium salt

**Hazard statements**

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

**Precautionary statements**

P270 Do not eat, drink or smoke when using this product.

P280 Wear eye protection / face protection.

P301+P312 If swallowed: Call a poison center/doctor if you feel unwell.

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.

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

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# Safety Data Sheet

acc. to 29 CFR 1910.1200 (OSHA Hazcom 2012)

Issued on 10/25/2021

Edition number 3

Reviewed on 10/25/2021

**Trade name:** Additive M21

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**Other hazards** None

### 3 Composition/information on ingredients

**Chemical characterization:** Mixtures**Description:** Mixture of the substances listed below with nonhazardous additions.**Declarable components:****CAS no.**

51126-65-9 Benzotriazole, potassium salt

&gt;25-&lt;50%

**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****General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

**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:** Immediately call a 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:** CO<sub>2</sub>, 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).

Dispose contaminated material as waste according to item 13.

**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.

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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:**

Do not store together with oxidizing and acidic materials.

**Further information about storage conditions:**

Protect from heat and direct sunlight.

Optimal storage temperature between 32°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:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**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:**

Protective gloves

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

Use of tight fitting goggles

**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:	Fluid
Color:	Yellow
Odor:	Characteristic
Odor threshold:	Not determined.

pH-value:	Not determined.
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#### Change in condition:

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	>100 °C (>212 °F) (DIN 51751 / ASTM D86)

Flash point:	>120 °C (>248 °F) (ISO 2592 / ASTM D92)
Evaporation rate	Not determined.

Flammability (solid, gaseous):	Not applicable.
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#### Explosion limits (@1013 mbar):

Lower:	Not determined.
Upper:	Not determined.

#### Oxidizing properties

Relative density	1.170 @ 68°F (20°C) (DIN 51757 / ASTM D1217)
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#### Vapor density

Evaporation rate	Not applicable. Not determined.
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#### Solubility in / Miscibility with

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

Kinematic at 40 °C (104 °F):	1.8 mm²/s
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VOC content:	Not determined.
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#### 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.

**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

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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	1,148 mg/kg
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#### 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:

Harmful

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:** 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.

### 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

### UN-Number

DOT

Not regulated

IMDG, IATA

UN3082

DOT

Not regulated

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**IMDG** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Benzotriazole, potassium salt), MARINE POLLUTANT

**IATA** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.  
 (Benzotriazole, potassium salt)

**DOT**

**Hazard Classification:** Not regulated

IMDG, IATA



**Hazard Classification:** 9 Miscellaneous dangerous substances and articles

**Label** 9

**DOT** Not regulated

**IMDG, IATA** III

Environmental hazards

Marine pollutant (according to IMDG): Yes

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

Special precautions for user

Warning: Miscellaneous dangerous substances and articles

EMS Number:

F-A,S-F

Stowage Category

A

Transport/Additional information:

Not hazardous according to the above specifications.

DOT

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

IMDG

Limited quantities (LQ)

5L

Excepted quantities (EQ)

Code: E1

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 1000 ml

IATA

Remarks:

IATA Dangerous Goods Regulation (DGR): latest edition  
contains terpenes

UN "Model Regulation":

UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,  
N.O.S. (BENZOTRIAZOLE, POTASSIUM SALT), 9, III

## 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):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All of the ingredients are listed.

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**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.

**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:** Not applicable.**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.

**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.

**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

**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:**

RoHS: Restriction of Hazardous Substances

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

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

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

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

Acute Tox. 4: Acute toxicity – Category 4

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.