

1 Identification**Product identifier****Trade name:** Additive A71**Article number:** 29116-01**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

Defoamers, Anti-foaming agent

Additive

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**

Combustible liquid.

Causes serious eye irritation.

May cause damage to organs through prolonged or repeated exposure.

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

Alkenylimino-bis-ethanol

Maleic acid alkyl esters

Hazard statements

H227 Combustible liquid.

H319 Causes serious eye irritation.

H373 May cause damage to organs through prolonged or repeated exposure.

H304 May be fatal if swallowed and enters airways.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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

P331 Do NOT induce vomiting.

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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.
 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.

3 Composition/Information on ingredients

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

Declarable components:
CAS no.

64742-47-8	Distillates (petroleum), hydrotreated light	45-80% w/w *
142-16-5	Maleic acid alkyl esters	5-10% w/w *
25307-17-9	Alkenylimino-bis-ethanol	5-10% w/w *

* Actual concentration ranges are 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: Do not induce vomiting; immediately call for medical help.

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

During heating or in case of fire poisonous gases are produced.

Advice for firefighters
Protective equipment: Mouth respiratory protective device.

Additional information Cool endangered receptacles with water spray.

6 Accidental release measures

Personal precautions, protective equipment and emergency procedures

Mount respiratory protective device.

Wear protective equipment. Keep unprotected persons away.

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

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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.

Ensure adequate ventilation.

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.

7 Handling and storage**Handling:****Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

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:

Keep ignition sources away - Do not smoke.

Keep respiratory protective device available.

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.

Keep receptacle tightly sealed.

Optimal storage temperature between 32°F and 104°F

Optimal storage temperature between 0°C and 40°C.

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.

Store protective clothing separately.

Avoid contact with the eyes.

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

Protective gloves

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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:	Solvent-like
Odor threshold:	Not determined.

pH-value: Not applicable.

Change in condition:

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

Flash point: 70 °C (158 °F) (ISO 2592 / ASTM D92)

Flammability (solid, gaseous): Not applicable.
Ignition temperature: 236 °C (456.8 °F) (DIN 51794)

Decomposition temperature: Not determined.

Auto igniting: Product is not selfigniting.

Danger of explosion: Not determined.

Explosion limits (@1013 mbar):

Lower:	0.5 Vol %
Upper:	7 Vol %

Oxidizing properties Not applicable.

Density at 20 °C (68 °F): 0.83 g/cm³ (6.93 lbs/gal) (DIN 51757 / ASTM D1217)

Relative density 0.83 @ 68°F (20°C) (DIN 51757 / ASTM D1217)

Vapor density Not applicable.

Evaporation rate Not determined.

Solubility in / Miscibility with

Water: Insoluble.

Partition coefficient (n-octanol/water): Not determined.

Viscosity

Dynamic:	Not determined.
Kinematic at 40 °C (104 °F):	7.2 mm ² /s (ISO 3104 / ASTM D445)

Other information: none
No further relevant information available.

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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 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

11 Toxicological information

Information on toxicological effects**Acute toxicity:****LD/LC50 values that are relevant for classification:****ATE (Acute Toxicity Estimate)**

Oral LD50 >1,000-≤1,429 mg/kg

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.

OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients are listed.

12 Ecological information

Toxicity**Aquatic toxicity:****25307-17-9 Alkenylimino-bis-ethanol**

LC50/96h 0.1 mg/l (Brachydanio rerio) (OECD 203)

EC50/48h 0.043 mg/L (Daphnia magna) (OECD 202)

EC50/72h 0.0867 mg/L (Pseudokirchneriella subcapitata) (OECD 201)

Persistence and degradability The product is not easily, but potentially biodegradable.**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.

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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:

Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning.

14 Transport information

UN-Number

DOT/TDG

Not regulated

ADR, IMDG, IATA

UN3082

DOT/TDG

Not regulated

TDG

 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkenylimino-bis-ethanol, Maleic acid alkyl esters)
 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkenylimino-bis-ethanol, Maleic acid alkyl esters), MARINE POLLUTANT

IMDG

IATA

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkenylimino-bis-ethanol, Maleic acid alkyl esters)

DOT/TDG (Transport dangerous goods):

Hazard Classification:

Not regulated

TDG



Label

9

IMDG, IATA



Hazard Classification:

9 Miscellaneous dangerous substances and articles

Label

9

DOT/TDG

Not regulated

ADR, IMDG, IATA

III

Environmental hazards

Marine pollutant (according to IMDG):

Yes

Special marking (TDG):

Symbol (fish and tree)

Special marking (IATA):

Symbol (fish and tree)

Symbol (fish and tree)

Special precautions for user

Warning: Miscellaneous dangerous substances and articles

Hazard identification number (Kemler code):

90

EMS Number:

F-A,S-F

Segregation groups

Alkalis

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Stowage Category	A
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.
TDG 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) Excepted quantities (EQ)	5L 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. (ALKENYLIMINO-BIS-ETHANOL, MALEIC ACID ALKYL ESTERS), 9, III

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.)

All ingredients are listed.

Canadian Non Domestic Substances List (NDSL)

None of the ingredients is listed.

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.

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.

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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.