

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

Product identifier

Trade name: Additive A31

Article number: 29105-01

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

Cooling lubricant / Cutting fluid

Quenchant

Details of the supplier of the safety data sheet

Manufacturer / Supplier:

BLASER SWISSLUBE AG

Winterseistrasse 22

CH-3415 Hasle-Rüegsau

Switzerland

Tel.: +41 (0)34 460 01 01

Fax: +41 (0)34 460 01 00

E-mail: blaser@blaser.com

Further information obtainable from:

Product Safety Department

E-mail: reach@blaser.com

Emergency telephone number:

Abbreviated dialing: 145 (or: ++41 (0)44/ 251 51 51) Toxicological Info-Centre CH-Zurich

2 Hazards identification

Classification of the substance or mixture:

The product is not classified according to the Globally Harmonised System (GHS).

Label elements

GHS label elements The product does not meet the criteria which leads to a labeling.

Hazard pictograms Void

Signal word Void

Hazard statements Void

Other hazards

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3 Composition/information on ingredients

Chemical characterisation: Mixtures

Description: Hardening agent for emulsion

Declarable, or hazardous components:

CAS-no.

62-54-4	calcium di(acetate)	>95-<100%
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Additional information:

Not mentioned CAS-, EINECS- or registration numbers are to be regarded as Proprietary/Confidential.

For the wording of the listed hazard phrases refer to section 16.

4 First aid measures

Description of first aid measures

General information: No special measures required.

After skin contact: Generally the product does not irritate the skin.

(Contd. on page 2)

SG/GB

Safety Data Sheet

According to SS 586 : Part 2 : 2014

Printing date 25.02.2016

Version number 4

Revision: 25.02.2016

Trade name: Additive A31

(Contd. of page 1)

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, 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:** Pick up mechanically.**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 under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

Observe the general safety regulations when handling chemicals.

Information about fire - and explosion protection: 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 oxidising and acidic materials.

Store away from oxidising agents.

Further information about storage conditions:

Protect from heat and direct sunlight.

Optimal storage temperature between +5 °C and +40 °C.

Duration of storage: In original container, at least 3 years.

Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.**Control parameters****Ingredients 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.

(Contd. on page 3)

SG/GB

Trade name: Additive A31

(Contd. of page 2)

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

Exposure controls

Personal protective equipment:

General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

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

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and the resultant standard EN 374.

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

The break through, among others, depending on material density and the type of glove and therefore must be determined in each individual case.

Gloves must be inspected prior to use. Replace when worn!

Impervious gloves: nitrile rubber, minimum thickness of 0.3 mm.

Penetration 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) EN 166.

Body protection: Protective work clothing

9 Physical and chemical properties

Information on basic physical and chemical properties

General Information

Appearance:

Form:	Powder
Colour:	White
Odour:	Odourless
Odour threshold:	Not determined.

pH-value (10 g/l) at 20 °C: 7.0 - 8.0 (DIN 51369 / ASTM D1287)

Change in condition:

Melting point/Melting range:	Not applicable
Boiling point/Boiling range:	Not determined.

Flash point: Not applicable; Product is not combustible.

Flammability (solid, gaseous): Not applicable.

Ignition temperature: Not applicable

Decomposition temperature: > 160 °C

Self-igniting: Product is not selfigniting.

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

Explosion limits (@1013 mbar):

Lower:	Not determined.
Upper:	Not determined.

Oxidising properties Not applicable.

Vapour pressure: Not applicable.

(Contd. on page 4)

SG/GB

Safety Data Sheet

According to SS 586 : Part 2 : 2014

Printing date 25.02.2016

Version number 4

Revision: 25.02.2016

Trade name: Additive A31

(Contd. of page 3)

Density:	Bulk density: 440 - 700 kg/m ³
Vapour density	Not applicable.
Evaporation rate	Not applicable.

Solubility in / Miscibility with water at 20 °C:	300 g/l Insoluble.
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Partition coefficient (n-octanol/water): Not determined.

Viscosity:	
Dynamic:	Not applicable.
Kinematic:	Not applicable.

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.

Possibility of hazardous reactions Reacts with strong acids and oxidising agents.

Conditions to avoid No further relevant information available.

Incompatible materials: No further relevant information available.

Hazardous decomposition products: Carbon monoxide and carbon dioxide

11 Toxicological information

Information on toxicological effects

Acute toxicity

LD/LC50 values relevant for classification:

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

> 5,100 mg/m³ 4h (inhalation, rat)

ATE (Acute Toxicity Estimates)

Oral	LD50	4280 mg/kg (rat)
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62-54-4 calcium di(acetate)

Oral	LD50	4280 mg/kg (rat) (Acute Oral Toxicity)
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Primary irritant effect:

Skin corrosion/irritation No irritant effect.

Serious eye damage/irritation No irritating effect.

Respiratory or skin sensitisation No sensitising effects known.

Additional toxicological information:

The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

When used and handled according to specifications, the product does not have any harmful effects 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.

Behaviour in environmental systems:

Bioaccumulative potential No further relevant information available.

Mobility in soil No further relevant information available.

(Contd. on page 5)

SG/GB

Safety Data Sheet

According to SS 586 : Part 2 : 2014

Printing date 25.02.2016

Version number 4

Revision: 25.02.2016

Trade name: Additive A31

(Contd. of page 4)

Additional ecological information:**General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
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 together with household garbage. Do not allow product to reach sewage system.

Uncleaned packaging:**Recommendation:**

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

Recommended cleansing agents: Water, if necessary together with cleansing agents.

14 Transport information

UN-Number ADR, ADN, IMDG, IATA	Void
UN proper shipping name ADR ADN, IMDG, IATA	Void Void
Transport hazard class(es) ADR, ADN, IMDG, IATA Class	Void
Packing group ADR, IMDG, IATA	Void
Environmental hazards: Marine pollutant:	No
Special precautions for user	Not applicable.
Transport in bulk according to Annex II of Marpol and the IBC Code	Not applicable.
Transport/Additional information:	Not dangerous according to the above specifications.
IMDG Remarks:	contains terpenes
IATA	IATA Dangerous Goods Regulation (DGR) 56th Edition 2015
UN "Model Regulation":	Void

15 Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations: no further regulations.

(Contd. on page 6)

SG/GB

Safety Data Sheet

According to SS 586 : Part 2 : 2014

Printing date 25.02.2016

Version number 4

Revision: 25.02.2016

Trade name: Additive A31

(Contd. of page 5)

Other regulations, limitations and prohibitive regulations**Substances of very high concern (SVHC) according to REACH, Article 57**

This preparation does not contain any SVHC ("Substances of Very High Concern")

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 / listings:

Information on REACH registration numbers in section 3:

In case of lack of REACH registration numbers on mentioned hazardous substances at the end of 2010, then these numbers will be known and indicated only in section 3 within its tonnage band for registration, after the end of 2013, respectively by the end of 2018, or are exempt from the REACH regulation (e.g. polymers).

RoHS:

The product is compliant with European Directives 2011/65/EC, 2002/95/EC, WEEE 2002/96/EC, 2003/11/EC, 2005/53/EC and RoHS.

The following substances ARE NOT contained:

Pentabromodiphenylether, Octabromodiphenylether, polybrominated diphenylether (PDBE) and / or polybrominated biphenyls (PBB), lead or it's compounds, cadmium or it's compounds, mercury or it's compounds, chromium Cr⁶⁺-compounds.

Department issuing SDS: Product Stewardship**Contact:** Dr. Mosimann + Mr. Frei**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

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

PBT: Persistent, Bioaccumulative and Toxic

TLV: Threshold Limit Value

PEL: Permissible Exposure Limit

REL: Recommended Exposure Limit

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

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