

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1. Product identifier

Trade name: **AlproJet-DD**

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Relevant identified uses: Cleaning and disinfecting agent

Intended purpose: Liquid concentrate with enhanced disinfecting effect for the daily cleaning and maintenance of dental aspiration systems with and without amalgam separator.

Uses advised against: None at intended use.

Note: The product is intended for professional users.

### 1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier: ALPRO MEDICAL GMBH  
Mooswiesenstraße 9  
D-78112 St. Georgen (Germany)  
Telephone: +49 7725 9392-0  
Telefax: +49 7725 9392-91  
E-mail: [alpro@alpro-medical.de](mailto:alpro@alpro-medical.de)  
Internet: [www.alpro-medical.com](http://www.alpro-medical.com)

E-mail address for the competent person responsible for the safety data sheet: [doku@alpro-medical.de](mailto:doku@alpro-medical.de)

### 1.4. Emergency telephone number

In-house emergency telephone number: +49 7725 9392-0  
Monday – Friday from 08:00 am to 04:30 pm (UTC+1);  
for chemical information and legal information on  
hazardous substances only

Poison centre: +49 761 19240  
Poisoning information centre, Freiburg, Germany  
(24 h / 7 d), English is spoken

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008 [CLP]

<i>Classification</i>	<i>Classification procedure</i>
Skin Corr. 1B; H314	Calculation method
STOT SE 3; H335	Calculation method

Full text of hazard classes as well as H-phrases: see under SECTION 16.1.

### 2.2. Label elements

Label elements in accordance with Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:



**Safety data sheet**  
**according to Regulation (EC) No 1907/2006**



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

Signal word:	Danger	
Hazard components for labelling:	2-Aminoethanol (141-43-5); Benzalkonium chloride (85409-22-9)	
H-phrases:	H314 H335	Causes severe skin burns and eye damage. May cause respiratory irritation.
P-phrases:	P280  P301+P330+P331 P303+P361+P353  P305+P351+P338  P310	Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower]. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/ doctor.

**2.3. Other hazards**

The substances in the mixture do not meet the PBT/vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII.

No further hazards known.

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

Chemical characterisation: Mixture of substances listed below with non-hazardous additions in aqueous solution.

**Hazardous ingredients**

<i>Chemical name</i>	<i>Identification numbers</i>	<i>Classification in accordance with Regulation (EC) No 1272/2008</i>	<i>Weight %</i>
2-Aminoethanol	CAS No: 141-43-5 EC No: 205-483-3 Index No: 603-030-00-8 REACH Registration No: 01-2119486455-28-XXXX	Acute Tox. 4; H332 Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 STOT SE 3; H335  <i>Specific concentration limits:</i> STOT SE 3; H335: C ≥ 5 %	≥ 5 - < 15
Trisodium nitrilotriacetate	CAS No: 5064-31-3 EC No: 225-768-6 Index No: 607-620-00-6 REACH Registration No: 01-2119519239-36-XXXX	Carc. 2; H351 Acute Tox. 4; H302 Eye Irrit. 2; H319  <i>Specific concentration limits:</i> Carc. 2; H351: C ≥ 5 %	≥ 1 - < 5
Propan-2-ol	CAS No: 67-63-0 EC No: 200-661-7 Index No: 603-117-00-0 REACH Registration No: 01-2119457558-25-XXXX	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336	≥ 1 - < 5
Benzalkonium chloride	CAS No: 85409-22-9 EC No: 287-089-1	Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400	≥ 1 - < 5

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides	CAS No: 63449-41-2 EC No: 264-151-6 Index No: 612-140-00-5	Acute Tox. 4; H312 Acute Tox. 4; H302 Skin Corr. 1B; H314 Aquatic Acute 1; H400	< 0,2
--	--	--	-------

Full text of hazard classes and H-phrases: see SECTION 16.1.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information:	First aider: Pay attention to self-protection! Remove contaminated, saturated clothing immediately.
Following inhalation:	Move affected person into fresh air and keep still and warm. Seek medical advice.
Following skin contact:	Wash skin immediately with plenty of water and soap. In case of skin reactions, consult a physician.
Following eye contact:	Flush eyes immediately with flowing water for 10 to 15 minutes holding eyelids apart. Remove contact lenses, if present and easy to do. Consult an ophthalmologist.
Following ingestion:	Rinse mouth with water. Let drink plenty of water. Do not induce vomiting (risk of perforation). Consult a physician immediately.

### 4.2. Most important symptoms and effects, both acute and delayed

Causes severe skin burns and eye damage. May cause respiratory irritation.

### 4.3. Indication of any immediate medical attention and special treatment needed

No information available.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

Suitable extinguishing media: Water spray jet, alcohol resistant foam, extinguishing powder, carbon dioxide (CO<sub>2</sub>)

Unsuitable extinguishing media: Full water jet

### 5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>), nitrogen oxides (NO<sub>x</sub>), hydrogen chloride (HCl)

### 5.3. Advice for firefighters

Special protective equipment: Wear self-contained breathing apparatus.

Further information: Cool endangered containers with water spray jet.

## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Use personal protective equipment. See SECTION 8.2.

# Safety data sheet

## according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

Avoid skin and eye contact. Do not breathe vapours. Provide adequate ventilation. Special danger of slipping by leaked/spilled product. Evacuate danger area. Observe emergency plans. Consult experts.

### For emergency responders

Use personal protective equipment. See SECTION 8.2.

### 6.2. Environmental precautions

Do not discharge into drains or rivers.

### 6.3. Methods and material for containment and cleaning up

#### Containment

For large spills, dyke spilled material or otherwise contain material to ensure runoff does not reach a waterway. Cover or seal drains.

#### Cleaning up

Wipe up small amounts with absorbent material (e.g. cloth, fleece). Absorb large amounts with liquid-binding material (sand, diatomaceous earth, universal binder, sawdust). Collect in suitable, closed containers for disposal. Clean contaminated surfaces thoroughly.

#### Other information

Inappropriate containment and cleaning methods are not known.

### 6.4. Reference to other sections

Information on safe handling see SECTION 7.1.

Information on personal protective equipment see SECTION 8.2.

Information on disposal see SECTION 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Precautions

Avoid contact with skin and eyes. Avoid breathing aerosols and vapours. Keep container tightly closed. Fill refill packages only in labelled original bottles.

#### Advice on general occupational hygiene

When using do not eat, drink or smoke. Wash hands before breaks and at end of work. Keep away from food and drink.

### 7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Keep only in the original container. Keep container tightly closed and kept upright to prevent any leakage.

Advice on common storage: Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions: Not necessary

Storage class ([DE] TRGS 510): LGK 8B Non-combustible corrosive hazardous substances

### 7.3. Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific end uses are stipulated.

#### Industry and sector specific guidance

[DE] TRGS 525 – Hazardous substances in medical care facilities (Section 7 Activities with disinfectants); Issue: September 2014;  
Source: GMBI 2014 page 1294-1307 of 13.10.2014 [No 63]; www.baua.de

**Safety data sheet**  
**according to Regulation (EC) No 1907/2006**



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

[DE] DGUV rules 107-002 (former BGR 206) - Disinfection works in health service  
 Issue: July 1999; Source: www.dguv.de/publikationen

**SECTION 8: Exposure controls/personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

Country	Limit values				Legal basis	Remarks
	Long term (8 hours)		Short term (15 minutes)			
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>		
2-Aminoethanol (CAS No: 141-43-5)						
EU	1	2.5	3	7.6	2006/15/EC	Skin
UK	1	2.5	3	7.6	EH40	Sk
Propan-2-ol (CAS No: 67-63-0)						
EU						no limit value specified
UK	400	999	500	1250	EH40	

**Used abbreviations, symbols, numerals and explanations in column „Remarks“**

Skin A significant uptake of the substance through the skin is possible.  
 Sk Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.

**Biological limit values**

Country	Parameter	Limit value	Test material	Sampling time	Legal basis
Propan-2-ol (CAS No: 67-63-0)					
Germany	Acetone	25 mg/l	Whole blood	End of exposition, resp. end of shift	TRGS 903
	Acetone	25 mg/l	Urine	End of exposition, resp. end of shift	TRGS 903

**Information on monitoring procedures**

BS EN 482:2012-04-30; Title: Workplace exposure - General requirements for the performance of procedures for the measurement of chemical agents;  
 British version of EN 482:2012

BS EN 689:1996-04-15; Title: Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy;  
 British version of EN 689:1995

BS EN 14042:2003-04-24; Title: Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents;  
 British version of EN 14042:2003

**8.2. Exposure controls**

**Appropriate engineering controls**

**Technical and organisational protective measures**

The eyewash station (or eyewash bottle) and emergency shower must be located near the workplace.

**Personal protective equipment**

Eye/face protection: Safety glasses with side protection according to EN 166

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

Skin protection:

Hand protection:

Protective gloves according to EN 374

Splash guard:

Disposable gloves made of nitrile rubber (thickness 0.11 mm)

Permanent contact (> 480 min):

Protective gloves made of nitrile rubber (thickness 0.40 mm)

Other skin protection:

Long-sleeved protective clothing (lab coat)

Respiratory protection:

Not necessary when used as intended.

Thermal hazards:

No special protective measures necessary.

## Environmental exposure controls

Do not discharge into drains.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Appearance:	clear, blue-green liquid	
Odour:	of lemon	
Odour threshold:	no data available	
pH (20 g/l H <sub>2</sub> O):	11.0 – 12.0	(20 °C)
Melting point/freezing point:	no data available	
Initial boiling point and boiling range:	no data available	
Flash point:	> 60 °C	
Evaporation rate:	no data available	
Flammability (solid, gas):	not applicable	
Lower explosive limit:	not applicable	
Upper explosive limit:	not applicable	
Vapour pressure:	no data available	(... °C)
Vapour density:	no data available	
Relative density:	1.030 – 1.035	(20 °C)
Solubility in water:	completely soluble	
Partition coefficient: n-octanol/water	not applicable	
Auto-ignition temperature:	not applicable	
Decomposition temperature:	no data available	
Viscosity:	no data available	
Explosive properties:	none	
Oxidising properties:	none	

### 9.2. Other information

Refractive index n <sub>D</sub> :	1.3638-1.3723	(20 °C)
Electrical conductivity (20 g/l H <sub>2</sub> O):	1500-2000 µS/cm	(20 °C)

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No hazardous reactions when handled and stored as intended.

### 10.2. Chemical stability

The product is stable when handled and stored as intended.

### 10.3. Possibility of hazardous reactions

None known

### 10.4. Conditions to avoid

None known

### 10.5. Incompatible materials

None known

### 10.6. Hazardous decomposition products

Does not decompose when used as intended.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

##### Product

Acute toxicity - oral:	Acute Toxicity Estimate ATE <sub>mix</sub> > 2000 mg/kg => no classification
Acute toxicity - dermal:	Acute Toxicity Estimate ATE <sub>mix</sub> > 2000 mg/kg => no classification
Acute toxicity - inhalation:	Acute Toxicity Estimate ATE <sub>mix</sub> > 20 mg/l => no classification

##### Ingredients

#### 2-Aminoethanol (CAS No: 141-43-5):

Acute toxicity - oral: LD<sub>50</sub>: 1515 mg/kg; species: rat; method: OECD 401

Acute toxicity - inhalation: LC<sub>50</sub>: > 1.3 mg/l; species: rat; 6 h; vapour

#### Trisodium nitrilotriacetate (CAS No: 5064-31-3):

Acute toxicity - oral: LD<sub>50</sub>: 1000 - 2000 mg/kg; species: rat; method: (BASF-test)

#### Benzalkonium chloride (CAS No: 85409-22-9):

Acute toxicity - oral: LD<sub>50</sub>: approx. 344 mg/kg; species: rat

#### Quaternary ammonium compounds, benzyl-C8-18-alkyldimethyl, chlorides (CAS No: 63449-41-2):

Acute toxicity - oral: LD<sub>50</sub>: approx. 398 mg/kg; species: rat

Acute toxicity - dermal: LD<sub>50</sub>: 1420 mg/kg; species: rat

#### Skin corrosion/irritation

##### Product

Causes severe skin burns. [calculation method]

**Safety data sheet**  
according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

**Serious eye damage/irritation**

Product

Causes serious eye damage. [calculation method]

**Respiratory or skin sensitisation**

Product

No data available.

**Germ cell mutagenicity**

Product

No data available.

**Carcinogenicity**

Product

No classification. [calculation method]

Ingredients

Trisodium nitrilotriacetate (CAS No: 5064-31-3):

The substance was shown to have a carcinogenic effect in animal studies with long-term administration of large amounts via the drinking water or via the food. With single or short-term intake of the substance a carcinogenic effect is however practically ruled out.

**Reproductive toxicity**

Product

No data available.

**STOT-single exposure**

Product

May cause respiratory irritation. [calculation method]

Ingredients

2-Aminoethanol (CAS No: 141-43-5):

May cause respiratory irritation.

Propan-2-ol (CAS No: 67-63-0):

May cause drowsiness or dizziness.

**STOT-repeated exposure**

Product

No data available.

**Aspiration hazard**

Product

No data available.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No classification. [calculation method]



# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

## 12.2. Persistence and degradability

Biodegradability:

The product is biodegradable according to OECD criteria. The statement has been derived from the properties of the ingredients.

## 12.3. Bioaccumulative potential

No data available.

## 12.4. Mobility in soil

No data available.

## 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to Regulation (EC) No 1907/2006, Annex XIII.

## 12.6. Other adverse effects

No data available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Disposal of the product

Product residues must be disposed of as hazardous waste in compliance with the Directive 2008/98/EC on waste as well as national and regional regulations. Do not dispose of via the waste water. Leave product in the original container as possible. Do not mix with other waste materials.

Waste codes / waste designations according to EWC

Product residues: 16 10 03\* aqueous concentrates containing hazardous substances

#### Disposal of the packaging

Packaging contaminated with product is considered as hazardous waste and must be disposed of accordingly.

Waste codes / waste designations according to EWC

Contaminated packaging: 15 01 10\* packaging containing residues of or contaminated by hazardous substances

Recommendation

Contaminated packaging must be emptied optimally and can be recycled after appropriate cleaning (rinse with water).

## SECTION 14: Transport information

### 14.0. Transport classification

Dangerous good in sense of the transport regulations in road traffic (ADR), railway traffic (RID), inland waterway traffic (ADN), maritime traffic (IMDG-Code) and air traffic (ICAO-TI/IATA-DGR).

### 14.1. UN number

UN 1903

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

## 14.2. UN proper shipping name

### ADR/RID/ADN

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Ethanolamine, Benzalkonium chloride)

### IMDG-Code/ICAO-TI/IATA-DGR

DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (Ethanolamine, Benzalkonium chloride)

## 14.3. Transport hazard class(es)

Class: 8

Subsidiary risk(s): -

## 14.4. Packing group

III

## 14.5. Environmental hazards

### ADR/RID/ADN

Environmentally Hazardous: No

### IMDG-Code

Marine Pollutant: No

## 14.6. Special precautions for user

Not necessary.

## 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## 14.8. Further information

Transport category according to ADR section 1.1.3.6: 3

Maximum total quantity per transport unit according to ADR section 1.1.3.6: 1000 L

Limited quantity (Maximum quantity per inner packaging) according to ADR/RID/ADN/IMDG-Code: 5 L

Classification code according to ADR/RID/ADN: C9

Hazard identification number according to ADR/RID: 80

Tunnel restriction code according to ADR/RID: E

Segregation group according to IMDG-Code section 5.4.1.5.11.1: IMDG-Code- Segregation group 18 – alkalis

EmS codes: F-A, S-B

## SECTION 15: Regulatory information

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

#### EU-Regulations

REGULATION (EC) No 1005/2009 on substances that deplete the ozone layer

not applicable

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

REGULATION (EC) No 850/2004 on persistent organic pollutants and amending Directive 79/117/EEC  
not applicable

REGULATION (EU) No 649/2012 concerning the export and import of hazardous chemicals  
not applicable

DIRECTIVE 2012/18/EU (Seveso III Directive) on the control of major-accident hazards involving dangerous substances, amending and subsequently repealing Council Directive 96/82/EC  
not applicable

DIRECTIVE 2010/75/EU on industrial emissions (integrated pollution prevention and control)  
not applicable

REACH – List of substances subject to authorisation (Annex XIV)  
not applicable

REACH – Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles (Annex XVII)  
not applicable

COUNCIL DIRECTIVE 94/33/EC on the protection of young people at work  
Observe employment restrictions for juveniles.

COUNCIL DIRECTIVE 92/85/EEC on the introduction of measures to encourage improvements in the safety and health at work of pregnant workers and workers who have recently given birth or are breastfeeding

Observe employment restrictions for pregnant and nursing mothers.

## 15.2. Chemical safety assessment

For this mixture no chemical safety assessment has been carried out.

## SECTION 16: Other information

### 16.1. Full text of hazard classes and H-phrases

#### Hazard classes

Acute Tox.	Acute toxicity
Aquatic Acute	Acute aquatic hazard
Carc.	Carcinogenicity
Eye Irrit.	Eye irritation
Flam. Liq.	Flammable liquid
Skin Corr.	Skin corrosion
STOT SE	Specific target organ toxicity (single exposure)

#### H-phrases (Hazard statements)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.

# Safety data sheet

according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H351	Suspected of causing cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
H400	Very toxic to aquatic life.

## 16.2. Abbreviations and acronyms

ADN	<u>A</u> ccord européen relatif au transport international des marchandises <u>d</u> angereuses par voie de <u>n</u> avigation intérieure (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)
ADR	<u>A</u> ccord européen relatif au transport international des marchandises <u>d</u> angereuses par <u>r</u> oute (European Agreement concerning the International Carriage of Dangerous Goods by Road)
BGR	<u>B</u> erufsgenossenschaftliche <u>R</u> egeln (English: Employers' liability insurance association rules)
BS	<u>B</u> ritish <u>S</u> tandards
CAS	<u>C</u> hemical <u>A</u> bstracts <u>S</u> ervice
CLP	Regulation on <u>C</u> lassification, <u>L</u> abelling and <u>P</u> ackaging of Substances and Mixtures
[DE]	National German regulations
DGUV	<u>D</u> eutsche <u>G</u> esetzliche <u>U</u> nfall <u>v</u> ersicherung (English: German statutory accident insurance)
EC	<u>E</u> uropean <u>C</u> ommunity
EEC	<u>E</u> uropean <u>E</u> conomic <u>C</u> ommunity
EmS	<u>E</u> mergency <u>S</u> chedules (Emergency response procedures for ships carrying dangerous goods)
EN	European Standard
EU	<u>E</u> uropean <u>U</u> nion
EWC	<u>E</u> uropean <u>W</u> aste <u>C</u> atalogue
GHS	<u>G</u> lobally <u>H</u> armonized <u>S</u> ystem of Classification, Labelling and Packaging of Chemicals
GMBI	<u>G</u> emeinsames <u>M</u> inisterial <u>b</u> latt (English: Joint Ministerial Gazette)
IATA-DGR	<u>I</u> nternational <u>A</u> ir <u>T</u> ransport <u>A</u> ssociation - <u>D</u> angerous <u>G</u> oods <u>R</u> egulations
IBC-Code	International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
ICAO-TI	Technical Instructions For The Safe Transport of Dangerous Goods by Air
IMDG-Code	International <u>M</u> aritime Code for <u>D</u> angerous <u>G</u> oods
LC <sub>50</sub>	Median lethal concentration
LD <sub>50</sub>	Median lethal dose
LGK	<u>L</u> ager <u>k</u> lasse (English: Storage class)
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
N.O.S.	Not otherwise specified
NOAEL	<u>N</u> o <u>O</u> bserved <u>A</u> dverse <u>E</u> ffect <u>L</u> evel (dose at which no adverse effect is found)
OECD	<u>O</u> rganization for <u>E</u> conomic <u>C</u> o-operation and <u>D</u> evelopment
PBT	<u>P</u> ersistent, <u>b</u> ioaccumulative and <u>t</u> oxic
ppm	<u>P</u> arts <u>p</u> er <u>m</u> illion
REACH	<u>R</u> egistration, <u>E</u> valuation, <u>A</u> uthorisation and Restriction of <u>C</u> hemicals
RID	<u>R</u> èglement concernant le transport <u>I</u> nternational ferroviaire de marchandises <u>D</u> angereuses (Regulations Concerning the International Carriage of Dangerous Goods by Rail)
TRGS	<u>T</u> echnische <u>R</u> egeln für <u>G</u> efahr <u>s</u> toffe (English: Technical Rules for Hazardous Substances)
UN	<u>U</u> nited <u>N</u> ations
UTC	Coordinated Universal Time (French: Temps Universel Coordonné)
vPvB	<u>V</u> ery <u>p</u> ersistent and <u>v</u> ery <u>b</u> ioaccumulative

## 16.3. Key literature references and sources for data

- Regulation (EC) No 1907/2006 (REACH), Annex II
- European Chemicals Agency (ECHA) – Guidance on the compilation of safety data sheets; Version 2.1 (February 2014); [http://echa.europa.eu/documents/10162/13643/sds\\_en.pdf](http://echa.europa.eu/documents/10162/13643/sds_en.pdf)

# Safety data sheet

## according to Regulation (EC) No 1907/2006



Trade name: **AlproJet-DD**

Issue/Revision: 27.05.2019

Print date: 27.05.2019

Version: 2.0

Replaces version: 1.3

- GISBAU (Hazardous substances information system of the BG BAU) – course „safety data sheet“; <http://www.bgbau.de/gisbau/SDB/lehrgang/lehrgang.htm>
- Regulation (EC) No 1272/2008 (CLP regulation)
- European Chemicals Agency (ECHA) – Guidance on Labelling and Packaging in accordance with Regulation (EC) No 1272/2008 (04/2011); [http://echa.europa.eu/documents/10162/13562/clp\\_labelling\\_en.pdf](http://echa.europa.eu/documents/10162/13562/clp_labelling_en.pdf)
- European Chemicals Agency (ECHA), Registered substances; <http://echa.europa.eu/information-on-chemicals/registered-substances>
- European Chemicals Agency (ECHA), C&L Classification and Labelling Inventory; <http://echa.europa.eu/information-on-chemicals/cl-inventory-database>
- Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS database on hazardous substances and GESTIS - International limit values for chemical agents; <http://www.dguv.de/dguv/ifa/index.jsp>
- German Environmental Agency (Umweltbundesamt), Section IV 2.4: Office of Documentation and Information on Substances Hazardous to Waters RIGOLETTO (catalogue of Substances Hazardous to Waters); <http://webrigoletto.uba.de/rigoletto>

### 16.4. Training advice

Provide adequate information, instructions and training for users.

### 16.5. Indication of changes

A backslash in the left hand margin indicates an amendment from the previous version.

---

The information given in the safety data sheet only applies to the described product in connection with its intended use. This information is based on the latest state of our knowledge at the time of revision. In particular, it describes our product under the aspect of its hazards and safety measures to be taken. It does not constitute any guarantee of product properties and quality features.

---