

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

1 Identification of substance:

- **Product details:**
- **Trade name: Quick Spray Adhesive**
- **Application of the substance / the preparation** Amino acids
- **Further information obtainable from:** msds@diagraphmsp.com
- **Information in case of emergency:**
 Contact Infotrac: (800) 535 5053 (US only)
 International: +1 352 323 3500

2 Hazards identification

- **Hazard description:**



Xn Harmful
 F+ Extremely flammable

- **Information concerning to particular hazards to man and environment**

R 5 Heating may cause an explosion.

R 48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.

R 65 Harmful: may cause lung damage if swallowed.

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.

Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.

Keep out of the reach of children

- **Classification system**

The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

3 Composition/information on ingredients

- **Chemical characterization**

- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 115-10-6 EINECS: 204-065-8	dimethyl ether F+; R 12	5-20%
CAS: 74-98-6 EINECS: 200-827-9	propane F+; R 12	5-20%
CAS: 110-82-7 EINECS: 203-806-2	cyclohexane Xn, Xi, F, N; R 11-38-50/53-65-67	5-20%
CAS: 67-64-1 EINECS: 200-662-2	acetone Xi, F; R 11-36-66-67	5-20%
CAS: 75-37-6 EINECS: 200-866-1	1,1-difluoroethane F+; R 12	5-20%
CAS: 109-66-0 EINECS: 203-692-4	pentane Xn, F+, N; R 12-51/53-65-66-67	0-5%

4 First aid measures

- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Generally the product does not irritate the skin.
- **After eye contact** Rinse opened eye for several minutes under running water.

(Contd. on page 2)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

Trade name: Quick Spray Adhesive

· **After swallowing** Do not induce vomiting; call for medical help immediately.

(Contd. of page 1)

5 Fire fighting measures

- **Suitable extinguishing agents**
Special powder for metal fires. Do not use water.
CO₂, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents**
Water.
Water with full jet.
- **Protective equipment:** No special measures required.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
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.
- **Measures for cleaning/collecting:**
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
Do not flush with water or aqueous cleansing agents

7 Handling and storage

- **Handling**
- **Information for safe handling:** Ensure good ventilation/exhaustion at the workplace.
- **Information about fire - and explosion protection:**
Keep ignition sources away - Do not smoke.
Protect from heat.
Protect against electrostatic charges.
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.
Do not spray onto a naked flame or any incandescent material.
- **Storage**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Observe official regulations on storing packagings with pressurized containers.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:**
Keep receptacle tightly sealed.
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
- **Maximum storage temperature:** 120 F (49 C)
- **Minimum storage temperature** 35 F (2 C)

8 Exposure controls and personal protection gear

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

(Contd. on page 3)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

Trade name: Quick Spray Adhesive

(Contd. of page 2)

· Ingredients with limit values that require monitoring at the workplace:

115-10-6 dimethyl ether	
WEL	Short-term value: 958 mg/m ³ , 500 ppm Long-term value: 766 mg/m ³ , 400 ppm
110-82-7 cyclohexane	
WEL	Short-term value: 1050 mg/m ³ , 300 ppm Long-term value: 350 mg/m ³ , 100 ppm
67-64-1 acetone	
WEL	Short-term value: 3620 mg/m ³ , 1500 ppm Long-term value: 1210 mg/m ³ , 500 ppm
109-66-0 pentane	
WEL	Long-term value: 1800 mg/m ³ , 600 ppm

· 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:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· Protection of hands:


Protective gloves.

· Eye protection:


Tightly sealed goggles.

9 Physical and chemical properties:

· General Information

Form:	Aerosol
Colour:	Amber coloured
Odour:	Ether-like
· Change in condition	
Melting point/Melting range: undetermined	
Boiling point/Boiling range: -44°C	
· Flash point:	-104°C
· Ignition temperature:	235.0°C
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Heating may cause an explosion.
· Explosion limits:	
Lower:	1 Vol %
Upper:	18 Vol %
· Vapour pressure at 20°C:	8300.0 hPa
· Density at 20°C:	0.714 g/cm ³

(Contd. on page 4)

GB

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

Trade name: Quick Spray Adhesive

(Contd. of page 3)

· Solubility in / Miscibility with Water:	Not miscible or difficult to mix
· Solvent content: Organic solvents:	83 %
· Solids content:	17 %

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Dangerous reactions:** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **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 the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.

12 Ecological information:

- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Comply with all Federal, State, and Local regulations regarding disposal.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **Land transport ADR/RID (cross-border)**



- **ADR/RID class:** 2.1

(Contd. on page 5)

Safety Data Sheet

according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

Trade name: Quick Spray Adhesive

(Contd. of page 4)

- **Item:** 5 F
- **UN-Number:** 1950
- **Hazard label** 3

· **Maritime transport IMDG:**



- **IMDG Class:** 2.1
- **Page:** 2102
- **UN Number:** 1950
- **Packaging group:** -
- **EMS Number:** F-D,S-U
- **MFAG:** 620
- **Marine pollutant:** No
- **Proper shipping name:** Aerosols, Flammable

· **Air transport ICAO-TI and IATA-DGR:**



- **ICAO/IATA Class:** 2.1
- **UN/ID Number:** 1950
- **Packaging group:** -
- **Proper shipping name:** Aerosols, Flammable

15 Regulations

- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- **Code letter and hazard designation of product:**
Xn Harmful
F+ Extremely flammable
- **Hazard-determining components of labelling:**
2-methylpentane
- **Risk phrases:**
5 Heating may cause an explosion.
48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation.
65 Harmful: may cause lung damage if swallowed.
- **Safety phrases:**
2 Keep out of the reach of children.
23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).
46 If swallowed, seek medical advice immediately and show this container or label.
51 Use only in well-ventilated areas.
- **Special labelling of certain preparations:**
Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use.
Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking.
Keep out of the reach of children

(Contd. on page 6)

GB

Safety Data Sheet
according to 1907/2006/EC, Article 31

Printing Date: 03.08.2009

Revision: 24.02.2009

Trade name: Quick Spray Adhesive

(Contd. of page 5)

- **National regulations**
- **Technical instructions (air):**

Class	Share in %
NK	65.0

- **Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.**

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.

- **Relevant R-phrases**

- 11 *Highly flammable.*
- 12 *Extremely flammable.*
- 36 *Irritating to eyes.*
- 38 *Irritating to skin.*
- 50/53 *Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
- 65 *Harmful: may cause lung damage if swallowed.*
- 66 *Repeated exposure may cause skin dryness or cracking.*
- 67 *Vapours may cause drowsiness and dizziness.*

- **Department issuing MSDS: Safety / Environmental**

GB