

Safety Data Sheet

according to 29 CFR 1910.1200(g)

KISS Molecular Super Bond

Revision date: 10.07.2018

Product code: 881

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1. Identification

Product identifier

KISS Molecular Super Bond

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Adhesives, sealants

Details of the supplier of the safety data sheet

Company name:	KISS Adhesives LLC	
Street:	11447 Cronhill Drive, Suite G	
Place:	USA-21117 Owings Mills MD 21117	
Telephone:	1-844-547-7458	
e-mail:	ann@kissslue.com	
Contact person:	Lee Mantelmacher	Telephone: 1-844-547-7458
e-mail:	lee@kissslue.com	
Internet:	www.kissslue.com	
Responsible Department:	sales	

Emergency phone number: 1-800-535-5053 international 1-352-323-3500

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2A

Specific target organ toxicity single exposure: STOT SE 3

Hazard Statements:

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



Hazard statements

Causes skin irritation

Causes serious eye irritation

May cause respiratory irritation

Precautionary statements

Avoid breathing dust/fume/gas/mist/vapors/spray.

Wash hands thoroughly after handling.

Use only outdoors or in a well-ventilated area.

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

If on skin: Wash with plenty of water.

If skin irritation occurs: Get medical advice/attention.

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Take off contaminated clothing and wash it before reuse.
 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 Call a poison center/doctor if you feel unwell.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.
 Continue rinsing.
 If eye irritation persists: Get medical advice/attention.
 Store in a well-ventilated place. Keep container tightly closed.
 Store locked up.

Additional advice on labelling

Labelling according to Hazard Communication Standard 29 CFR 1910.1200.

Hazards not otherwise classified

Cyanacrylate! Danger! Skin and eyelids will stick together in seconds. Keep out of the reach of children.

3. Composition/information on ingredients

Mixtures

Chemical characterization

adhesive based on cyanacrylacid-ethylester

Hazardous components

CAS No	Components	Quantity
7085-85-0	ethyl 2-cyanoacrylate	70 - 90 %

4. First-aid measures

Description of first aid measures

General information

Remove affected person from the danger area and lay down.

After inhalation

Provide fresh air. If breathing is irregular or stopped, administer artificial respiration. Medical treatment necessary. In case of inhalation of decomposition products, affected person should be moved into fresh air and kept still.

After contact with skin

After contact with skin, wash immediately with polyethylene glycol, followed by plenty of water. Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately with plenty of water and soap.

After contact with eyes

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. In case of allergic symptoms, especially in the breathing area, seek medical advice immediately.

Most important symptoms and effects, both acute and delayed

No information available.

Indication of any immediate medical attention and special treatment needed

Treat symptomatically. Treat symptomatically. Position and transport victim on their side. In case of respiratory distress, bring into semi-upright, seated position. Where appropriate artificial ventilation.

5. Fire-fighting measures

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Extinguishing media

Suitable extinguishing media

Co-ordinate fire-fighting measures to the fire surroundings. Carbon dioxide (CO₂), alcohol resistant foam. Extinguishing powder, ABC powder. Atomized water. Dry sand.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Non-flammable. Burning produces heavy smoke.

Special protective equipment and precautions for fire-fighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit. Special exposure hazards arising from the substance itself, combustion products, resulting gases: In case of fire: Wear self-contained breathing apparatus.

Additional information

Suppress gases/vapours/mists with water spray jet. Suppress gases/vapours/mists with water spray jet. Use water spray jet to protect personnel and to cool endangered containers. Remove product from area of fire. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Avoid contact with skin, eyes and clothes. Use personal protection equipment. Remove all sources of ignition. Provide adequate ventilation. Do not breathe gas/vapour/aerosol.

Environmental precautions

Do not allow to enter into surface water or drains. Cover drains.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Keep wet with water. Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7
 Personal protection equipment: see section 8
 Disposal: see section 13

Safe handling: see section 7
 Personal protection equipment: see section 8
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7. Handling and storage

Precautions for safe handling

Advice on safe handling

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. If handled uncovered, arrangements with local exhaust ventilation should be used if possible. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

Advice on protection against fire and explosion

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Vapours / aerosols must be extracted by suction immediately at point of origin. Take precautionary measures against static discharges.

Conditions for safe storage, including any incompatibilities

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Requirements for storage rooms and vessels

Keep container tightly closed. Keep only in the original container in a cool, well-ventilated place. Keep container tightly closed. Recommended storage temperature: 2 - 8 °C Ensure adequate ventilation of the storage area.

Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Further information on storage conditions

Floors should be impervious, resistant to liquids and easy to clean.
Store small packages in a suitable, robust cabinet. Protect against direct sunlight.

8. Exposure controls/personal protection

Control parameters

Exposure controls



Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe gas/fumes/vapour/spray. If handled uncovered, arrangements with local exhaust ventilation have to be used.

Protective and hygiene measures

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat or drink. Do not eat, drink, smoke or sneeze at the workplace. Draw up and observe skin protection programme. Wash hands and face before breaks and after work and take a shower if necessary. Before starting work, apply solvent-resistant skincare preparations.

Eye/face protection

Suitable eye protection: goggles. Tightly sealed safety glasses.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves. Test suitability of gloves before use.

Suitable material: Butyl caoutchouc (butyl rubber)

Thickness of the glove material : 0,5 mm

Breakthrough time (maximum wearing time) : >= 1 h

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing. When handling with chemical substances, protective clothing with CE-labels including the four control digits must be worn.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Respiratory protection necessary at: insufficient ventilation. With correct and proper use, and under normal conditions, breathing protection is not required. If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Combination filtering device (EN 14387) Use the following filter types for cleaning waste gases: A-P2

Environmental exposure controls

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	liquid		
Color:	colourless clear		
Odor:	ester-like, stinging		
			Test method
pH-Value:		4,6	
Changes in the physical state			
Melting point/freezing point:		-30 °C	
Initial boiling point and boiling range:		200 °C	DIN 53 171
Sublimation point:		not determined	
Softening point:		not determined	
Pour point:		not determined	
Flash point:		81 °C	DIN 51 755
Sustaining combustion:		Sustaining combustion	
Flammability			
Solid:		not applicable	
Gas:		not applicable	
Explosive properties			
negative, no explosion			
Lower explosion limits:		not applicable	
Upper explosion limits:		not applicable	
Ignition temperature:		155 °C	DIN 51 794
Auto-ignition temperature			
Solid:		not applicable	
Gas:		not applicable	
Decomposition temperature:		not determined	
Oxidizing properties			
Not oxidising.			
Vapor pressure:		0,5 hPa	DIN EN 12
(at 20 °C)		not determined	
Vapor pressure:		1,1 g/cm ³	DIN 51 757
Density (at 20 °C):		not applicable	
Bulk density:			
Water solubility:		The study does not need to be conducted because the substance is known to be insoluble in water, Polymerisation	
Solubility in other solvents			
not determined			
Partition coefficient:		not determined	
Viscosity / dynamic:		200 - 500 mPa·s	DIN 53018
(at 20 °C)		not determined	
Viscosity / kinematic:		not determined	
Flow time:		> 120 (3 mm)	
Vapor density:		not determined	

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Evaporation rate:	not determined
Solvent separation test:	not determined
Solvent content:	0 %

Other information

Solid content:	not determined
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10. Stability and reactivity

Reactivity

The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

Chemical stability

Danger of polymerisation. The study does not need to be conducted because the substance is known to be stable at room temperature for prolonged periods of time (days).

Possibility of hazardous reactions

Polymerisation Humidity

Conditions to avoid

Humidity

Incompatible materials

Alkali (lye), Alcohols, Amines, Water

Hazardous decomposition products

Hydrogen cyanide (hydrocyanic acid). Thermal decomposition can lead to the escape of irritating gases and vapours.

11. Toxicological information

Information on toxicological effects**Acute toxicity**

Based on available data, the classification criteria are not met.
Health injuries are not known or expected under normal use.

CAS No	Components	Exposure route	Dose	Species	Source	Method
7085-85-0	ethyl 2-cyanoacrylate					
	oral	LD50 mg/kg	5000	Rat	OECD 401	
	dermal	LD50 mg/kg	2000	Rabbit		

Irritation and corrosivity

Causes skin irritation

Causes serious eye irritation

Inhalation of vapours may cause irritation of the respiratory system in very susceptible persons. May cause skin and eye irritation in susceptible persons.

Sensitizing effects

Based on available data, the classification criteria are not met.

May cause sensitization of susceptible persons by inhalation of aerosol or dust.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

none CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

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Specific target organ toxicity (STOT) - single exposure

May cause respiratory irritation (ethyl 2-cyanoacrylate)

There are no data available on the preparation/mixture itself.

Specific target organ toxicity (STOT) - repeated exposure

Based on available data, the classification criteria are not met.

No data is available on the product itself.

Carcinogenicity (OSHA): No ingredient of this mixture is listed.

Carcinogenicity (IARC): No ingredient of this mixture is listed.

Carcinogenicity (NTP): No ingredient of this mixture is listed.

Aspiration hazard

Based on available data, the classification criteria are not met.

There are no data available on the preparation/mixture itself.

Specific effects in experiment on an animal

No data available No data is available on the product itself.

Additional information on tests

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

12. Ecological information

Ecotoxicity

Acute fish toxicity =

LC50/48h/golden orfe = 100 mg/l

Persistence and degradability

not applicable Polymerisation

Bioaccumulative potential

not applicable Polymerisation

Mobility in soil

not applicable Polymerisation

Other adverse effects

not determined

Further information

Avoid release to the environment. Do not empty into drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Contaminated packaging

Wash with plenty of water. Completely emptied packages can be recycled. Dispose according to legislation. Completely emptied packages can be recycled.

14. Transport information

Marine transport (IMDG)

UN proper shipping name:

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

Marine pollutant:

No

Air transport (ICAO-TI/IATA-DGR)

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UN proper shipping name:

Not dangerous goods in the meaning of ADR/RID, ADNR, IMDG-Code, ICAO/IATA-DGR

Special precautions for user

No information available.

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

not applicable

15. Regulatory information

U.S. Regulations**National regulatory information**

SARA Section 311/312 Hazards:

ethyl 2-cyanoacrylate (7085-85-0): Immediate (acute) health hazard

State Regulations**Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)**

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

Changes

Revision date: 10.07.2018

Revision No: 1,01

This data sheet contains changes from the previous version in section(s): 4,5,6,7,8,10,12,13,16.

Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route
(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized 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

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

Other data

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)