Henkel

Material Safety Data Sheet

Loctite Sumo Glue

Issue Date: 04/24/06

1. Chemical Product and Company Name

Trade name:
Loctite Sumo Glue

Intended use:
Adhesive

Company name:
Henkel Consumer Adhesives
Avon Ohio
44011
Phone: (440) 937-7000

2. Composition / information on ingredients

General chemical description:
1-Component Polyurethane adhesive

Declaration of ingredients:

	CAS#	%
Polyurethane prepolymer	Proprietary	60-100
4,4'-Methylenediphenyl diisocyanate	101-68-8	10-30

3. Hazards identification

WARNING : Vapours of this product may be irritating to the eyes, respiratory system and skin.
May cause sensitization by inhalation and skin contact.
Persons suffering from allergic reactions to isocyanates should avoid contact with this product.
Symptoms may include coughing, difficulty breathing, and a feeling of tightness in the chest.
Effects may be delayed.

NPFA : Health – 3, Flammability – 1, Reactivity - 1
HIMS : Health – 3, Flammability – 1, Reactivity - 1

4. First-aid measures

General information:
In case of adverse health effects seek medical advice.

After inhalation:
Move to fresh air.
If unconscious keep patient in stable recovery position (lying on one side) for transport.

After skin contact:
Wipe off affected skin area immediately with a soft cloth and then remove residues with vegetable oil. Cured product can be removed only mechanically.
Replace contaminated clothes.

After eye contact:
Immediately flush eyes with water for 20 minutes, put on a bandage with sterile gauze, then seek medical advice.

After ingestion:
Rinse out mouth. Do not drink.
Do not induce vomiting, seek medical advice immediately.

5. Fire-fighting measures

Suitable extinguishing media:
carbon dioxide
Foam
Sand
Powder

Extinguishing media which must not be used for safety reasons:
Water

Special protection equipment for firefighters:
Wear protective equipment.
Wear self-contained breathing apparatus.

Special hazards by the product itself:
In the event of a fire, carbon monoxide (CO), carbon dioxide (CO2) and nitrogen oxides (NOx) can be released.

Additional information:
Do not breathe combustion gases.

6. Accidental release measures

Personal precautions:
Ensure adequate ventilation.
Avoid contact with skin and eyes.
Wear protective equipment.

Environmental precautions:
Do not empty into drains / surface water / ground water.

Process for cleaning and take-up:
Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to section 13.

7. Handling and storage

Handling:
Ensure good ventilation/suction at the workplace.
Avoid skin and eye contact.
Open and handle container with care.
Avoid contact with water.

Storage:
Store in sealed original container protected against moisture.
Temperatures between + 5 °C and + 40 °C
Do not store together with oxidants.
Do not store together with food or other consumables (coffee, tea, tobacco, etc.). Keep product away from sources of alcohols, amines or other materials that react with isocyanates.

8. Exposure controls / personal protection

Components with specific control parameters for workplace:

Ingredient	ppm	mg/m³	Type
4,4'-methylenediphenyl diisocyanate; diphenylmethane-4,4'-diisocyanate (MDI)	0.005		ACGIH (TLV-TWA)
	0.02	0.2	OSHA PEL

Additional information for system design:
Ensure good ventilation/extraction.

Respiratory protection:
Do not breathe vapour.
Suitable breathing mask when there is inadequate ventilation.

Hand protection:
For short time contact (e.g. as protection against splashes) protective gloves made from nitrile rubber are recommended. Material thickness > 0.4 mm. The gloves must be replaced immediately at the first signs of wear and tear.

Eye protection:
Goggles which can be tightly sealed.

Body protection:
suitable protective clothing

General protection and hygiene measures:
Avoid skin and eye contact.
Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.
Ensure adequate ventilation.

9. Physical and chemical properties

General characteristics	
State:	liquid
Odor:	Characteristic, mild, amine
Color:	yellowish, turbid
Phys./chem. properties:	
Density (20 °C)	1,11 - 1,12 g/cm3
Viscosity (dynamic) (Brookfield; 20 °C)	10.000 - 14.000 mPas
Solubility (qualitative) (20 °C; Solvent: water)	Reacts with water: generation of heat.

10. Stability and reactivity

Conditions to avoid:
No decomposition if used according to specifications.
Materials to avoid:
Reacts with water: Pressure built up in closed vessel (CO2).
Reacts with amines, alcohols, acids and alkalis.
Reaction with oxidants.
Dangerous decomposition products:
Starting from 150°C isocyanate may be released.

11. Toxicological information

MDI has not been listed by NTP, classified by IARC, nor regulated by OSHA as a carcinogen.

General toxicological information:
Cross-reactions with other isocyanate compounds are possible.
Acute inhalative toxicity:
Irritating to respiratory system
In the event of protracted or repeated exposure, damage to health cannot be excluded.
Skin irritation:
Primary skin irritation: irritating
Eye irritation:
Primary eye irritation: irritating
Sensitizing:
May cause sensitization by inhalation.
May cause sensitization by skin contact.

12. Ecological information

General ecological information:
Do not empty into drains, soil or bodies of water.

Ultimate biodegradation:
The product is poorly biodegradable.

13. Disposal considerations

Product disposal:
Dispose of waste according to local, state, federal and provincial environmental regulations.

14. Transport information

General information:
Not hazardous according to DOT, TDG, RID, ADR, ADNR, IMDG, IATA-DGR.

15. Regulations - classification and identification

TSCA: All chemicals comply with the applicable rules under TSCA.
California Proposition 65: No known substances.

16. Other information

Prepared by:
Regulatory Affairs, Henkel Consumer Adhesives, Avon OH 44011 (440) 937-7000

Further information:
This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.