

PRODUCT SAFETY DATA SHEET for LOCTITE SPRAY ADHESIVE (HDG13)
Date of Issue 06-03-2003 Issue No. 2

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING
PRODUCT REFERENCE No. HDG13

PRODUCT NAME LOCTITE SPRAY ADHESIVE
(HEAVY DUTY ADHESIVE NON CHLORINATED)

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2. COMPOSITION/INFORMATION OF INGREDIENTS

Substances presenting a Health or Environmental hazard within the meaning of the Chemicals (Hazard Information & Packaging) Regulations 1994 as amended.

A blend of aliphatic hydrocarbon solvent(s), synthetic rubber compound(s), resin(s), stabiliser(s) and propellants.

Substance Name	ENICS	CAS No	%age Range	Symbol letter	Risk Phrases(*)
PROPANE	200-827-9	74-98-6	>20% & =<40%	F+	12
BUTANE	203-448-7	106-97-8	>10% & =<20%	F+	12
ACETONE	200-662-2	67-64-1	>20% & =<40%	Xi,F	36-66-67-11
PROPRIETRY BLEND OF ALIPHATIC HYDROCARBON SOLVENTS (LOW HEXANE)	265-151-9	64742-49-0	>10% & =<20%	Xn,Xi,F	65-38-67-11

(*) for full text of Risk Phrases see Section 16 'Other Information'16

3. HAZARDS IDENTIFICATION

Prolonged contact with product may result in the removal of essential fats and may result in dermatitis unless good personal hygiene is used. Pressurised container. Protect from sunlight and do not expose to temperatures exceeding 50oC. Do not pierce or burn even after use. Do not spray on a naked flame or any incandescent material. Deliberately concentrating and inhaling contents of this container is dangerous and can be fatal.

Classification

F+ - Extremely Flammable
Xi - Irritant

Risk Phrases

Extremely Flammable
Irritating to eyes and skin

'P' Phrases

Do not breathe Vapour or Spray

4. FIRST AID MEASURES

GENERAL	In all cases of doubt or when symptoms persist seek medical attention. Never give anything by mouth to an unconscious person.
INHALATION	Remove to fresh air, keep warm and at rest. If breathing is irregular or stopped give artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.
EYE CONTACT	Contact lenses should be removed. Irrigate copiously with clean, fresh water for at least 10 mins. holding the eyelids apart, seek medical advice.
SKIN CONTACT	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.
INGESTION	If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA

RECOMMENDED	Carbon dioxide, Dry Powder, Halogenated Hydrocarbons, Sand, Foam.
NOT TO BE USED	Water.

SPECIAL INSTRUCTIONS FOR FIRE FIGHTING PERSONNEL

Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required.
Cool closed containers exposed to fire with a water spray. Do not allow run off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing vapours. Refer to protective measures listed in sect. 7&8. Contain and collect spillages with non-combustible absorbent materials e.g. sand, earth and place in suitable container for disposal in accordance with the waste regulations. Do not allow large quantities to enter drains or watercourses. If it does local water companies should be contacted, in case of contamination of streams, rivers or lakes the National Rivers Authority

7. STORAGE & HANDLING

Handling

Do not use in areas where potential sources of ignition exist. Electrical equipment should be protected to the appropriate standard. Use non-sparking tools & exclude sources of heat, sparks & flames. Avoid skin & eye contact. For personal protection see Sect.8. Good housekeeping and regular removal of waste materials will minimise risks.

Storage

See the HSE guidance note Storage of Flammable Liquids in Containers. Observe the label precautions. Store between 5 & 30°C in a dry well ventilated place away from sources of heat, ignition and direct sunlight - No smoking. The principles contained in the HSE's guidance note Storage of Packaged Dangerous substances should be observed when storing this product.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Measures

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If extraction methods are insufficient to maintain concentrations of particulates and/or solvent vapours below relevant OEL's, suitable respiratory protective equipment should be worn.

Exposure Limits

Substance Name	Occupational Exposure Limits				Notation
	8hr LTEL		15min STEL		
	ppm	mg/m3	ppm	mg/m3	
BUTANE	600.00	1430.00	750.00	1780.00	OES
ACETONE	750.00	1780.00	1500.00	3560.00	OES
PROPRIETRY BLEND OF ALIPHATIC	300.00				OES
HYDROCARBON SOLVENTS (LOW HEXANE)					

NOTES

Notations = Sk - risk of absorption through skin Sen - respiratory sensitizer Bmgv - Biological Monitoring may be appropriate (see Biological Monitoring Guidance Value in EH40 Table 3)

OES = Occupational Exposure Standard MEL = Maximum Exposure Limit. OEL's are from EH40 except where marked SUP which are assigned by the supplier of the substance.

*=OES given in mg/cubic metre - no figures available for parts per million

Personal Protection

General Protection

All ppe, including rpe, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH regulations.

Respiratory Protection

Air fed respiratory equipment should be worn when sprayed if levels cannot be controlled below OEL's and engineering methods cannot be reasonably improved.

Hand Protection

Full physical protection is best. Seek relevant advice from glove manufacturers. Barrier cream may be of help but should not be applied after exposure has occurred.

Eye Protection

Eye protection designed to protect against liquid splashes should be worn.

Skin Protection

Cotton or cotton/synthetic overalls or coveralls are normally suitable. Grossly contaminated clothing should be removed and the skin washed with soap & water or a proprietary skin cleaner.

9. PHYSICAL & CHEMICAL PROPERTIES

PHYSICAL STATE	Clear pale amber coloured liquid	
FLASH POINT	< 0 °C	Method: Tag Apparatus to American Standard ASTM D-56
VISCOSITY		Method:
SPECIFIC GRAVITY	0.785 gms/cc	Method: Weight per gallon cup
VAPOUR DENSITY	HEAVIER than Air	
LOWER EXPLOSION LIMIT		
SOLUBILITY IN WATER	IMMISCIBLE	

10. STABILITY & REACTIVITY

Stable under the recommended storage & handling conditions (see Sect.7). In a fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced. Keep away from oxidising agents and strongly alkaline and acid materials to prevent the possibility of an exothermic reaction.

11. TOXICOLOGICAL INFORMATION

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through the skin. Splashes in the eye may cause irritation and reversible local damage.

12. ECOLOGICAL INFORMATION

Large quantities of the product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. The Air Pollution Control requirements of regulations made under the Environmental Protection Act may apply to the use of this product.

13. DISPOSAL CONSIDERATIONS

Do not allow large quantities to enter the drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under the Control of Pollution & Environmental Protection Acts.

14. TRANSPORT INFORMATION

Road/Rail	UN No.....1950	Packing Group...	Class..... 2
	Designation... Aerosol Dispensers NOS		

15. REGULATORY INFORMATION

The product is classified and labelled for supply in accordance with the Chemicals (Hazard Information & Packaging) Regulations as follows.

Classification

F+ - Extremely Flammable
Xi - Irritant

Contains

Acetone

Risk Phrases

Extremely Flammable
Irritating to eyes and skin

Safety Phrases

Keep out of reach of children
If swallowed seek medical advice immediately and show this container or label.
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
Keep away from sources of ignition - No smoking

'P' Phrases

Do not breathe Vapour or Spray

The information contained in this Safety Data Sheet does not constitute the user's own assessment of the workplace risks as required by other health & safety legislation.

The provisions of the Health & Safety at Work etc. Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.

16. OTHER INFORMATION

Text of any Risk Phrases listed in Section 2

R11 Highly Flammable
R12 Extremely Flammable
R36 Irritating to the eyes
R38 Irritating to the skin
R65 Harmful: may cause lung damage if swallowed
R66 Repeated exposure may cause skin dryness or cracking
R67 Vapours may cause drowsiness and dizziness

Date of Origination: 30 / 11 / 01

Date of last revision: 06 / 03 / 2003

The information contained in this safety data sheet is provided in accordance with the requirements of the Chemicals (Hazard Information & Packaging) Regulations. The product should not be used for purposes other than those shown in sect.1 without first referring to the supplier and obtaining written instructions.

As the specific conditions of use of the product are outside of the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this Safety Data Sheet is based on the present state of knowledge and current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.

Further information and relevant advice can be found in: -

The Control Of Substances Hazardous to Health Regulations 1988 (SI 1988:1657)

The Manual Handling Operations Regulations 1992 (SI 1992: 2793)

Storage of Flammable Liquids in Containers. HS (G) 51

Storage of Packaged Dangerous Substances. HS (G) 71

The Environmental Protection (Duty of Care) Regulations 1992 (SI 1988:2839)