

Material Safety Data Sheet

Infosafe No. L001Q Issue Date: June 2005 ISSUED by LOCTITE
Product Name: **LOCTITE 7452 TAK PAK ACCELERATOR (AEROSOL)**

Classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name

LOCTITE 7452 TAK PAK ACCELERATOR (AEROSOL)

Product Code

21520

Product Use

Used to accelerate the cure of Loctite Cyanoacrylate Adhesives. Generally supplied as part of Loctite 14876 Tak Pak Kit

Company Name

HENKEL AUSTRALIA PTY LTD (ABN 82 001 302 996)

Address

1 Clyde Street Silverwater
NSW 2128 Australia

Emergency Tel.

See CONTACT POINT

Telephone/Telex

Number

Tel: 1300 885 556 Fax: (03) 9761 7179

Other Names

Name

Mancode

LOCTITE 7452 TAK PAK
ACCELERATOR (AEROSOL) USED IN
TAK PAK KIT

14876

Other Information

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization

Liquid

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard</u>	<u>R Phrase</u>
	Acetone	67-64-1	60-100 %		
	Propane	74-98-6	10-30 %		
	Butane	106-97-8	10-30 %		
	N,N-DIALKYL TOLUIDINE	99-97-8	0-1 %		

3. HAZARDS IDENTIFICATION

Classified as a Hazardous Substance according to the criteria of NOHSC.
Classified as dangerous goods according to the ADG Code.

Risk phrases:

R11 Highly flammable.

R20 Harmful by inhalation.

R36 Irritating to eyes.

Safety phrases:

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S23 Do not breathe gas/fumes/vapour/spray.

S24/25 Avoid contact with skin and eyes.

4. FIRST AID MEASURES

Inhalation

Seek medical advice if effects persist.

Remove victim to fresh air. Recovery should be rapid after removal from exposure. Employ artificial respiration if indicated.

Ingestion

Do NOT induce vomiting. Contact a Poisons Information Centre (Phone 131 126) or a doctor at once.

Skin

If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. Wash contaminated clothing before re-use. If irritation occurs seek medical advice.

Eye

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Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.

First Aid**Facilities**

Eyewash station and normal washroom facilities must be provided and a safety shower is strongly recommended.

Advice to Doctor

Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards

Material is highly volatile; vapour may travel considerable distances to sources of ignition and flash back.

Extinguish fire with the following: Use CO₂, dry chemical or BCF for small fires. Use 'alcohol' type foam for large fires; water spray will reduce the intensity of flames and can be used to cool containers.

Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion.

Decomposition**Temp.**

N/A

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal

SPILL OR LEAK: Keep people away and upwind. Remove all ignition sources. Shut off leak if this can be done without risk. If necessary to enter spill area, wear self contained breathing apparatus. Use water spray to reduce vapours. Contain spill. Pump into salvage tank or absorb with sand, earth or vermiculite and seal in drums for disposal. Keep out of sewers, stormwater drains and waterways.

In the event of a small spill. Shut off all possible sources of ignition. Wipe up residue with a cloth. Use absorbent (soil or sand, sawdust, inert material, vermiculite).

7. HANDLING AND STORAGE

Other Information

DO NOT puncture or incinerate aerosol cans.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Exposure Limits

No exposure limits have been established for this material by the National Occupational Health And Safety Commission (NOHSC), however for the constituent;

SUBSTANCE	TWA		STEL	
	ppm	mg/m ³	ppm	mg/m ³
Acetone	500	1185	1000	2375
Butane	800	1900		

Other Exposure Information

TWA - the Time-Weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour workday.

Respiratory Protection

If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependent upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.

Eye Protection

Safety glasses with side shields, goggles or full-face shield as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances ie. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.

Hand Protection

Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances ie. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.

Personal Protective Equipment

Wearing of the following personal protective equipment is recommended. Plastic or rubber gloves. Safety glasses, goggles or faceshield as appropriate. Do not smoke. Remove any naked lights or strong heat sources.

Eng. Controls

Use in a well ventilated area only. Use with local exhaust ventilation or while wearing appropriate respirator. Must be sufficient to prevent breathing of vapour.

Other Information

Do not puncture or incinerate aerosol cans.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

LIQUID, COLOUR PALE YELLOW

Odour

Acetone

Decomposition

Temperature

N/A

Melting Point

N/A

Boiling Point

57° C

Solubility in

Water

Soluble

Specific Gravity

(H₂O=1)

0.8 (APPROXIMATELY)

pH Value

N/A

Vapour Pressure

N/A

Vapour Density

(Air=1)

Approx 2

Evaporation Rate

1.9 (Ether = 1)

Volatile Component

100%

Flash Point

-4° c (TCC)

Flammability

Highly flammable. Keep away from heat, sparks or naked flames. May form explosive mixtures with air.

Ignition

Temperature

N/A

Flammable Limits

LEL

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2.8%

Flammable Limits**UEL**

12.8%

Explosion**Properties**

(% by volume in air) Lower:- 2.6 Upper:-13.0

Molecular Weight

N/A

10. STABILITY AND REACTIVITY

Hazardous Reaction

Stable, no hazardous polymerisation; no hazardous decomposition products (non thermal) formed. Incompatible with strong oxidisers.

11. TOXICOLOGICAL INFORMATION

**Toxicology
Information****HEALTH EFFECTS SUMMARY**

The following information presents both human experience and toxicological data on the product used to assess the effects of the product on the health of individually exposed individuals and to support the Precautionary Measures and Occupational Control Procedures recommended in this document.

HUMAN EXPERIENCE - Inhalation and skin contact are expected to be the primary routes of occupational exposure to acetone. Because of its high volatility significant absorption through the skin is unlikely unless evaporation is prevented.

Occupational exposure to the liquid and vapour has been reported to cause moderate irritation to the eyes and respiratory tract. Skin contact with the liquid may cause mild irritation. Repeated skin contact with acetone liquid may have a defatting effect on the skin causing dryness and cracking of the skin or other signs of dermatitis. Acetone possesses narcotic-like properties; excessive exposure may result in headache, dizziness, incoordination, fatigue, nausea, loss of appetite and loss of consciousness. Human experience indicates the toxicity of acetone is low for acute exposures. There have been no reports of significant toxic effects from chronic exposures.

Although acetone is rapidly eliminated from the body there are reports which suggest that slight accumulation of acetone in the body can occur following daily exposures to high airborne concentrations (800-1000ppm) during the working week. Elimination from the body was complete in the absence of exposure over the following weekend.

Slight increases in reaction time have been reported in laboratory neurobehavioural tests in which individuals were exposed to 250-500ppm

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Packaging Method

5.9.2

EPG Number

2D1

**Storage and
Transport**

Store in a cool, well-ventilated area at a temperature no greater than 30°C, out of direct sunlight.

Transport Information: This material is a UN 1950 Class 2.1 Flammable Gas according to The Australian Code for the Transport of Dangerous Goods by Road and Rail.

IERG Number

49

15. REGULATORY INFORMATION

Risk Phrase

R11 Highly flammable.

R20 Harmful by inhalation.

R36 Irritating to eyes.

Safety Phrase

S16 Keep away from sources of ignition - No smoking.

S2 Keep out of reach of children.

S23 Do not breathe gas/fumes/vapour/spray

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S33 Take precautionary measures against static discharges.

S51 Use only in well ventilated areas.

Poisons Schedule

S5

Hazard Category

Harmful, Irritant

16. OTHER INFORMATION

Contact**Person/Point**

Technical Services Manager: Gerard Buys 1300 885 556 / 0411 669 002

...End Of MSDS...