

HENKEL LOCTITE CORPORATION

02/23/03

ROCKY HILL, CONNECTICUT 06067
EMERGENCY PHONE: (860) 571-5100

MATERIAL SAFETY DATA SHEET

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Loctite(R) 712 Accelerator Tak Pak(R)
20352

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: Loctite(R) 712 Accelerator Tak Pak(R)
Item No.: 20352
Product Type: Activator

2. COMPOSITION, INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%
ISOPROPYL ALCOHOL	67-63-0	95-100
N,N-Dialkyltoluidine	99-97-8	1-3
HYDROQUINONE	123-31-9	0.01-0.1

Ingredients which have exposure limits

Exposure Limits (TWA) Ingredients	ACGIH (TLV)	OSHA (PEL)	OTHER
ISOPROPYL ALCOHOL	400 ppm TWA 983 mg/m3	400 ppm TWA 980 mg/m3	400 ppm TWA DuPont AEL
HYDROQUINONE	2 mg/m3 TWA	2 mg/m3 TWA	2 mg/m3 TWA 4 mg/m3 STEL

Exposure Limits (STEL) Ingredients	ACGIH (TLV)	OSHA (PEL)
ISOPROPYL ALCOHOL	500 ppm 1230 mg/m3	500 ppm 1225 mg/m3

3. HAZARDS IDENTIFICATION

Toxicity: Eye and skin irritant. Also see "Signs and symptoms of exposure".

Primary Routes of Entry: Inhalation, ingestion, skin and eye contact.

Signs and Symptoms of Exposure: Headache, nausea, dizziness, vomiting, drowsiness, irritation of respiratory tract, loss of consciousness, pulmonary edema, temporary corneal damage, gastrointestinal irritation, central nervous system depression.

Existing Conditions Aggravated by Exposure: Isopropyl alcohol: Skin disorders, eye problems, respiratory disorder

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3. HAZARDS IDENTIFICATION

(continued)

Ingredients	Literature Referenced	Carcinogen		
	Target Organ and Other Health Effects	NTP	IARC	OSHA
ISOPROPYL ALCOHOL	ALG BLO CNS IRR KID	NO	N/A	NO
N,N-Dialkyltoluidine	ALG MUT	NO	NO	NO
HYDROQUINONE	BLO BNM CNS EYE IMM IRR LIV MUT SKI THY	NO	N/A	NO

Abbreviations

N/A Not Applicable	ALG Allergen
BLO Blood	BNM Bone Marrow
CNS Central nervous system	EYE Eyes
IMM Immune system	IRR Irritant
KID Kidney	LIV Liver
MUT Mutagen	SKI Skin
THY Thyroid	

4. FIRST AID MEASURES

Ingestion:	Do not induce vomiting. Keep individual calm. Obtain medical attention.
Inhalation:	Remove to fresh air. If symptoms persist, obtain medical attention.
Skin Contact:	Wash with soap and water.
Eye Contact:	Flush at least 15 minutes with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Flash Point:	53°F	Method: Tag closed cup
Recommended Extinguishing Agents:	Carbon dioxide, foam, dry chemical	
Special Firefighting Procedures:	Not available	
Hazardous Products formed by Fire or Thermal Decomp	Oxides of carbon	
Unusual Fire or Explosion Hazards:	Distant ignition sources may ignite vapors traveling with moving air currents.	
Explosive Limits:		
(% by volume in air) Lower	2.0% Isopropyl alcohol 1.2% Dialkyl toluidine	
(% by volume in air) Upper	12.7% isopropyl alcohol at 200°F 7% Dialkyltoluidine	

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6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case
of spill or leak: Remove sources of ignition.
Allow to evaporate with good ventilation.

7. HANDLING AND STORAGE

Safe Storage: Store below 110°F away from sources of ignition.
(Contact Loctite Customer Service 1-800-243-4874 for shelf life information)
Handling: Avoid prolonged breathing of vapor. Keep away from
eyes. Avoid prolonged skin contact.

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Eyes: Safety glasses or goggles.
Skin: Rubber or plastic gloves.
Ventilation: Provide adequate local ventilation to maintain
vapor concentration below TLV.
Respiratory: Not available

See Section 2 for Exposure Limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Clear liquid
Odor: Alcoholic
Boiling Point: 180°F
pH: Does not apply
Solubility in Water: 95-100%
Specific Gravity: 0.79
Volatile Organic Compound
(EPA Method 24) 99.9%; 789 grams/liter
Vapor Pressure: 33 mm at 70°F
Vapor Density: 2.1
Evaporation Rate
(Ether = 1) 7.7

10. STABILITY AND REACTIVITY

Stability: Stable
Hazardous Polymerization: Will not occur
Incompatibility: Strong oxidizing agents, aluminum, nitric acid,
sulfuric acid, amines, ammonia, halogen acids and
chlorides, aldehydes
Conditions to Avoid: Not available
Hazardous Decomposition
Products (non-thermal): None

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11. TOXICOLOGICAL INFORMATION

See Section 3.

12. ECOLOGICAL INFORMATION

No data available

13. DISPOSAL CONSIDERATIONS

Recommended methods of disposal: Incinerate following EPA and local regulations.
EPA Hazardous Waste Number: D001 - Hazardous waste per 40CFR 261.21

14. TRANSPORTATION INFORMATION

DOT (49 CFR 172)

Domestic Ground Transport

Proper Shipping Name: Consumer Commodity (Not more than one liter);
Isopropanol solution (More than one liter)

Hazard Class or Division: ORM-D (Not more than one liter);
Class 3, Packing Group II (More than one liter)

Identification Number: None (Not more than one liter);
UN 1219 (More than one liter)

Marine Pollutant: None

IATA

Proper Shipping Name: Isopropanol solution
Class or Division: Class 3, Packing Group II
UN or ID Number: UN 1219

15. REGULATORY INFORMATION

CA Proposition 65: Not available

16. OTHER INFORMATION

Estimated NFPA(R) Code:

Health Hazard: 2
Fire Hazard: 3
Reactivity Hazard: 0
Specific Hazard: Does not apply

Estimated HMIS(R) Code:

Health Hazard: 2
Flammability Hazard: 3
Reactivity Hazards: 0
Personal Protection: See Section 8.

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16. OTHER INFORMATION

(continued)

NFPA is a registered trademark of the National Fire Protection Assn.
HMIS is a registered trademark of the National Paint and Coatings Assn.

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