

## Material Safety Data Sheet

**LOCTITE**<sup>®</sup>

Revision Number: 004.0

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**1. PRODUCT AND COMPANY IDENTIFICATION****Product name:** Tak Pak<sup>®</sup> 712 Accelerator  
**Product type:** Accelerator**IDH number:** 135265  
**Item number:** 18390  
**Region:** United States**Company address:**  
Henkel Corporation  
One Henkel Way  
Rocky Hill, Connecticut 06067**Contact information:**  
Telephone: 860.571.5100  
MEDICAL EMERGENCY Phone: Poison Control Center  
1-877-671-4608 (toll free) or 1-303-592-1711  
TRANSPORT EMERGENCY Phone: CHEMTREC  
1-800-424-9300 (toll free) or 1-703-527-3887  
Internet: www.henkelna.com**2. HAZARDS IDENTIFICATION****EMERGENCY OVERVIEW**

<b>Physical state:</b>	Liquid	<b>HEALTH:</b>	2
<b>Color:</b>	Colorless, Clear	<b>FLAMMABILITY:</b>	3
<b>Odor:</b>	Alcoholic	<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

**WARNING:** FLAMMABLE LIQUID AND VAPOR.  
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION.  
HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.

**Relevant routes of exposure:** Skin, Inhalation, Eyes, Ingestion**Potential Health Effects**

**Inhalation:** Inhalation of vapors or mists of the product may be irritating to the respiratory system. Central nervous system effects. Dizziness. Vomiting. Exposure to high doses may cause central nervous system depression. Such doses may also cause adverse effects in the liver, kidneys, and lungs.

**Skin contact:** May cause skin irritation. Repeated or prolonged contact can result in drying of skin.

**Eye contact:** Contact with eyes will cause irritation. Redness. Tearing.

**Ingestion:** Swallowing small amounts during normal handling is not likely to cause harmful effects; swallowing large amounts may be harmful.

**Existing conditions aggravated by exposure:** Eye, skin, and respiratory disorders.

This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

See Section 11 for additional toxicological information.

**3. COMPOSITION / INFORMATION ON INGREDIENTS**

Hazardous components	CAS NUMBER	%
2-Propanol	67-63-0	60 - 100
Benzenamine, N,N,4-trimethyl-	99-97-8	1 - 5

**4. FIRST AID MEASURES****Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Skin contact:** Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse.

**Eye contact:** Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.

**Ingestion:** DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.

**Notes to physician:** Aspiration may cause pulmonary edema or aspiration pneumonia.

**5. FIRE FIGHTING MEASURES**

**Flash point:** 12 °C (53.6 °F)

**Autoignition temperature:** Not available.

**Flammable/Explosive limits - lower:** 2 %

**Flammable/Explosive limits - upper:** 12.7 %

**Extinguishing media:** Foam, dry chemical or carbon dioxide.

**Special firefighting procedures:** Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

**Unusual fire or explosion hazards:** Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.

**Hazardous combustion products:** Oxides of carbon. Oxides of nitrogen.

**6. ACCIDENTAL RELEASE MEASURES**

**Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.**

**Environmental precautions:** Ventilate area. Remove all sources of ignition. Do not allow product to enter sewer or waterways.

**Clean-up methods:** Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Rinse spill area with water. Store in a partly filled, closed container until disposal.

**7. HANDLING AND STORAGE**

**Handling:** Use only with adequate ventilation. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.

**Storage:** For safe storage, store at or below 49 °C (120.2 °F) Keep in a cool, well ventilated area. Store away from ignition sources.

**For information on product shelf life contact Henkel Customer Service at (800) 243-4874.**

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.**

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
2-Propanol	200 ppm TWA 400 ppm STEL	400 ppm (980 mg/m3) TWA	None	None
Benzenamine, N,N,4-trimethyl-	None	None	0.5 ppm TWA	None

**Engineering controls:** Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

**Respiratory protection:** Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).

**Eye/face protection:** Safety glasses with side-shields. Goggles.

**Skin protection:** Chemical resistant, impermeable gloves.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Physical state:** Liquid  
**Color:** Colorless, Clear  
**Odor:** Alcoholic  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** 33 mm hg (70 °F (21.1 °C))  
**Boiling point/range:** 180 °F (82.2 °C) None  
**Melting point/ range:** Not available.  
**Specific gravity:** 0.79  
**Vapor density:** 2.1  
**Flash point:** 12 °C (53.6 °F)  
**Flammable/Explosive limits - lower:** 2 %  
**Flammable/Explosive limits - upper:** 12.7 %  
**Autoignition temperature:** Not available.  
**Evaporation rate:** 7.7 (Ether = 1)  
**Solubility in water:** Not available.  
**Partition coefficient (n-octanol/water):** Not available.  
**VOC content:** 99.9 %; 789 g/l EPA Method 24

**10. STABILITY AND REACTIVITY**

**Stability:** Stable

**Hazardous reactions:** Will not occur.

**Hazardous decomposition products:** None reasonably foreseeable.

**Incompatible materials:** Strong oxidizing agents. Strong acids and strong bases. Aldehydes. Aluminum.

**Conditions to avoid:** Not determined

**11. TOXICOLOGICAL INFORMATION**

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
2-Propanol	No	No	No
Benzenamine, N,N,4-trimethyl-	No	No	No

Hazardous components	Health Effects/Target Organs
2-Propanol	Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen
Benzenamine, N,N,4-trimethyl-	Mutagen, Allergen

**12. ECOLOGICAL INFORMATION**

**Ecological information:** Not available.

### 13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

**Recommended method of disposal:** Follow all local, state, federal and provincial regulations for disposal.

**Hazardous waste number:** D001: Ignitable.

### 14. TRANSPORT INFORMATION

#### U.S. Department of Transportation Ground (49 CFR)

**Proper shipping name:** Isopropanol  
**Hazard class or division:** 3  
**Identification number:** UN 1219  
**Packing group:** II  
**Exceptions:** (Not more than 1 L), Consumer Commodity, ORM-D

#### International Air Transportation (ICAO/IATA)

**Proper shipping name:** Isopropanol  
**Hazard class or division:** 3  
**Identification number:** UN 1219  
**Packing group:** II  
**Exceptions:** May Qualify as Consumer Commodity, ID8000, (Not more than 500 ml)

#### Water Transportation (IMO/IMDG)

**Proper shipping name:** ISOPROPANOL  
**Hazard class or division:** 3  
**Identification number:** UN 1219  
**Packing group:** II  
**Exceptions:** Limited quantity (Not more than 1 L).

### 15. REGULATORY INFORMATION

#### United States Regulatory Information

**TSCA 8 (b) Inventory Status:** All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.  
**TSCA 12(b) Export Notification:** None above reporting de minimus  
**CERCLA/SARA Section 302 EHS:** None above reporting de minimus  
**CERCLA/SARA Section 311/312:** Fire, Delayed Health, Immediate Health  
**CERCLA/SARA 313:** None above reporting de minimus  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

#### Canada Regulatory Information

**CEPA DSL/NDSL Status:** All components are listed on or are exempt from listing on the Canadian Domestic Substances List.  
**WHMIS hazard class:** B.2, D.2.A, D.2.B

### 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:** New Material Safety Data Sheet format.

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