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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Tak Pak® 7452(TM) Accelerator Metered Mist
Product type: Accelerator
Company address: Henkel Corporation
1001 Trout Brook Crossing
Rocky Hill, Connecticut 06067

Item No. : 18637
Region: United States
Contact information:
Telephone: 860.571.5100
Emergency telephone: 860.571.5100
Internet: www.loctite.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous components</u>	<u>%</u>	<u>ACGIH TLV</u>	<u>OSHA PEL</u>	<u>OTHER</u>
Acetone 67-64-1	60-100	500 ppm TWA 750 ppm STEL	1000 ppm TWA 2400 mg/m ³ TWA	None
Butane 106-97-8	10-30	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	800 ppm TWA	None
Propane 74-98-6	10-30	1000 ppm TWA listed under aliphatic hydrocarbon gases alkane C1-C4	1000 ppm TWA 1800 mg/m ³ TWA	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Liquid	HEALTH:	2
Color: Clear to Amber	FLAMMABILITY:	4
Odor: Acetone	PHYSICAL HAZARD:	2
	Personal Protection:	See Section 8

DANGER: CONTENTS UNDER PRESSURE.
EXTREMELY FLAMMABLE.
VAPOR MAY CAUSE FLASH FIRE
MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.
ASPIRATION HAZARD IF SWALLOWED.

Relevant routes of exposure: Skin, inhalation, eyes

Potential Health Effects

Inhalation: May cause respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

Skin contact: May cause irritation due to defatting of the skin. Redness. Burns. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use.

Eye contact: Non-irritating. Exposure to vapor may cause tearing of the eyes, irritation and burning sensation.

Ingestion: Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.

Existing conditions aggravated by exposure: Liver disorders. Kidney disorders. Lung disorders.

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See Section 11 for additional toxicological information.

4. FIRST AID MEASURES

Inhalation:	Remove to fresh air. Get medical attention immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.
Skin contact:	Remove contaminated clothing and shoes. Wash with soap and water. Wash clothing before reuse.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.
Ingestion:	Get medical attention immediately. Do not induce vomiting.

5. FIRE-FIGHTING MEASURES

Flash point:	-109°C (-165°F) (Propellant) Tagliabue closed cup
Autoignition temperature:	Not available
Flammable/Explosive limits-lower %:	2.8
Flammable/Explosive limits-upper %:	12.8
Extinguishing media:	Foam, dry chemical or carbon dioxide.
Special fire fighting procedures:	Use water spray to keep fire exposed containers cool and disperse vapors.
Unusual fire or explosion hazards:	Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back. Closed containers may rupture (due to build up of pressure) when exposed to extreme heat.
Hazardous combustion products:	Oxides of carbon. Oxides of nitrogen.

6. ACCIDENTAL RELEASE MEASURES

Environmental precautions:	Do not contaminate surface water. Do not let product enter drains.
Clean-up methods:	Remove all sources of ignition. Vapors are heavier than air and may travel along the ground or be moved by ventilation and subsequently ignited by heat, pilot lights or other ignition sources at locations distant from the material handling point. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Store in a closed metal container until ready for disposal.

7. HANDLING AND STORAGE

Handling:	Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Wash thoroughly after handling.
Storage:	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.
Incompatible products:	Refer to Section 10.

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls:	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
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Respiratory protection: Use NIOSH approved respirator if there is potential to exceed exposure limit(s). Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Skin protection: Chemical resistant, impermeable gloves.

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

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid
Color: Clear to Amber
Odor: Acetone
Vapor pressure: Approximately 185 mmHg @20°C (68° F)
pH: Not applicable
Boiling point/range: 57°C (135°F)
Melting point/range: Not available
Specific gravity: 0.7926
Vapor density: Approximately 2
Evaporation rate: 1.9 (Ether = 1)
Solubility in water: Soluble
Partition coefficient (n-octanol/water): Not available
VOC content: 1.02%; 80 grams/liter

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None

Incompatibility: Strong oxidizing agents.

Conditions to avoid: No data available

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Acetone 67-64-1	No	No	No
Butane 106-97-8	No	No	No
Propane 74-98-6	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Acetone 67-64-1	Blood, Central nervous system, Irritant, Reproductive
Butane 106-97-8	Cardiac, Central nervous system, Irritant
Propane 74-98-6	Cardiac, Central nervous system, Irritant

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Dispose of in accordance with Federal, State and local regulations.

EPA hazardous waste number: D001: Ignitable.

14. TRANSPORT INFORMATION

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

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None
Exceptions: Consumer Commodity ORM-D (Not more than 1 Liter)
DOT reportable quantity (lbs): Acetone (CAS# 67-64-1) is reportable at 5000 pounds (2270 kg).

International Air Transportation (ICAO/IATA):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN1950
Packing group: None
Exceptions: May Qualify as Consumer Commodity ID8000 (Not more than 500mL)

WaterTransportation (IMO/IMDG):

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: II None
Exceptions: Limited quantity (Not more than 1 L)
Marine pollutant: None

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.

CERCLA/SARA Section 302 EHS: None above reporting de minimus.
CERCLA/SARA Section 311/312: Fire, Immediate Health Hazard, Delayed Health Hazard
CERCLA/SARA 313: None.

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the 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: 14

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