



Revision Number: 002.1

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**1. PRODUCT AND COMPANY IDENTIFICATION**

<b>Product name:</b>	<b>Tak Pak® 7452(TM) Accelerator Metered Mist</b>	<b>IDH number:</b>	229784
<b>Product type:</b>	Accelerator	<b>Item number:</b>	18637
		<b>Region:</b>	United States
<b>Company address:</b>		<b>Contact information:</b>	
Henkel Corporation		Telephone: 860.571.5100	
One Henkel Way		Emergency telephone: 860.571.5100	
Rocky Hill, Connecticut 06067		Internet: www.henkelna.com	

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

<b>Physical state:</b>	Liquid	<b>HMIS:</b>	
<b>Color:</b>	Amber, Clear	<b>HEALTH:</b>	*2
<b>Odor:</b>	Acetone	<b>FLAMMABILITY:</b>	4
		<b>PHYSICAL HAZARD:</b>	0
		<b>Personal Protection:</b>	See MSDS Section 8

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

**Relevant routes of exposure:** Skin, Inhalation, Eyes

**Potential Health Effects**

<b>Inhalation:</b>	May cause respiratory tract irritation. Central nervous system depression, including dizziness, drowsiness, fatigue, nausea, headache, unconsciousness.
<b>Skin contact:</b>	May cause irritation due to defatting of the skin. Redness. Skin absorption is possible, but harmful effects are not expected from this route of exposure under normal conditions of handling and use. Burns.
<b>Eye contact:</b>	Causes eye irritation. Exposure to vapor may cause tearing of the eyes, irritation and burning sensation.
<b>Ingestion:</b>	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. Lung disorders. Kidney 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	%
Acetone	67-64-1	60 - 100
Butane	106-97-8	10 - 30
Propane	74-98-6	10 - 30

### 4. FIRST AID MEASURES

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

### 5. FIRE FIGHTING MEASURES

<b>Flash point:</b>	-91 °C (-131.8 °F) ; (value for propellant).
<b>Autoignition temperature:</b>	Not available
<b>Flammable/Explosive limits - lower:</b>	2.8 %
<b>Flammable/Explosive limits - upper:</b>	12.8 %
<b>Extinguishing media:</b>	Foam, dry chemical or carbon dioxide.
<b>Special firefighting procedures:</b>	Use water spray to keep fire exposed containers cool and disperse vapors.
<b>Unusual fire or explosion hazards:</b>	Closed containers may rupture (due to build up of pressure) when exposed to extreme heat. Vapors may accumulate in low or confined areas, travel considerable distance to source of ignition, and flash back.
<b>Hazardous combustion products:</b>	Oxides of nitrogen. Oxides of carbon.

### 6. ACCIDENTAL RELEASE MEASURES

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

<b>Environmental precautions:</b>	Do not allow product to enter sewer or waterways.
<b>Clean-up methods:</b>	Store in a closed metal container until ready for disposal. Remove all sources of ignition. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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.

### 7. HANDLING AND STORAGE

<b>Handling:</b>	Wash thoroughly after handling. Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling.
<b>Storage:</b>	Keep in a cool, well ventilated area away from heat, sparks and open flame. Keep container tightly closed until ready for use.

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
Acetone	500 ppm TWA 750 ppm STEL	1,000 ppm (2,400 mg/m <sup>3</sup> ) TWA	None	None
Butane	None	None	None	None
Propane	1,000 ppm TWA	1,000 ppm (1,800 mg/m <sup>3</sup> ) TWA	None	None

<b>Engineering controls:</b>	Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.
<b>Respiratory protection:</b>	Observe OSHA regulations for respiratory use (29 CFR 1910.134). Use NIOSH approved respirator if there is potential to exceed exposure limit(s).
<b>Eye/face protection:</b>	Safety glasses with side-shields. Goggles.
<b>Skin protection:</b>	Chemical resistant, impermeable gloves.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical state:</b>	Liquid
<b>Color:</b>	Amber, Clear
<b>Odor:</b>	Acetone
<b>Odor threshold:</b>	Not available
<b>pH:</b>	Not applicable
<b>Vapor pressure:</b>	185 mm hg Approximately
<b>Boiling point/range:</b>	135 °F (57.2 °C) none
<b>Melting point/ range:</b>	Not available
<b>Specific gravity:</b>	0.7926
<b>Vapor density:</b>	2 Approximately
<b>Flash point:</b>	-91 °C (-131.8 °F) ; (value for propellant).
<b>Flammable/Explosive limits - lower:</b>	2.8 %
<b>Flammable/Explosive limits - upper:</b>	12.8 %
<b>Autoignition temperature:</b>	Not available
<b>Evaporation rate:</b>	1.9 (Ether = 1)
<b>Solubility in water:</b>	Soluble
<b>Partition coefficient (n-octanol/water):</b>	Not available
<b>VOC content:</b>	1.02 %; 80 g/l

## 10. STABILITY AND REACTIVITY

<b>Stability:</b>	Stable
<b>Hazardous reactions:</b>	Will not occur.
<b>Hazardous decomposition products:</b>	None
<b>Incompatible materials:</b>	Strong oxidizing agents.
<b>Conditions to avoid:</b>	No data

## 11. TOXICOLOGICAL INFORMATION

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Acetone	No	No	No
Butane	No	No	No
Propane	No	No	No

Hazardous components	Health Effects/Target Organs
Acetone	Blood, Central nervous system, Irritant, Reproductive
Butane	Cardiac, Central nervous system, Irritant
Propane	Cardiac, Central nervous system, Irritant

## 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: Aerosols  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None  
Exceptions: (Not more than 1 L), Consumer Commodity, ORM-D

### International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None  
Exceptions: May Qualify as Consumer Commodity, ID8000, (Not more than 500 ml)

### Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS  
Hazard class or division: 2.1  
Identification number: UN 1950  
Packing group: None  
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: This product contains a chemical known in the State of California to cause cancer. This product contains a chemical known to the State of California to cause 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 Canadian Domestic Substances List.  
WHMIS hazard class: D.2.A, B.2, 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.

Prepared by: Kyra Kozak Woods, Manager, Regulatory Affairs

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