Material Safety Data Sheet

Revision Date: 05/21/2007 **Issue date:** 05/21/2007

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Tak Pak® 712 Accelerator Metered Mist
Product type: Accelerator
Company address:
Henkel Corporation
One Henkel Way
Rocky Hill, Connecticut 06067

Item No. : 18636 / IDH No. 229783
Region: United States
Contact Information:
Telephone: (860) 571-5100
Emergency telephone: (860) 571-5100
Internet: www.henkelna.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous components	%	ACGIH TLV	OSHA PEL	OTHER
Isopropyl alcohol 67-63-0	60-100	200 ppm TWA 400 ppm STEL	400 ppm TWA 980 mg/m³ TWA	None
Butane 106-97-8	10-30	1000 ppm TWA	800 ppm TWA	None
Propane 74-98-6	10-30	1000 ppm TWA	1000 ppm TWA 1800 mg/m³ TWA	None
N,N-Dimethyl-p-toluidine 99-97-8	1-5	None	None	None

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

HMIS:

Physical state: Aerosol
Color: Clear Colorless
Odor: Alcoholic

HEALTH: 2
FLAMMABILITY: 3
PHYSICAL HAZARD: 0
Personal Protection: See Section 8

DANGER: CONTENTS UNDER PRESSURE.
EXTREMELY FLAMMABLE LIQUID AND VAPOR
HARMFUL IF SWALLOWED, ABSORBED THROUGH SKIN OR INHALED.
CAUSES EYE, SKIN AND RESPIRATORY TRACT IRRITATION

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

Potential Health Effects

Inhalation: Vapors and mists will irritate the respiratory tract and nasal passages. 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.

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. If symptoms persist, obtain 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: Obtain medical attention. DO NOT induce vomiting unless directed to do so by medical personnel.

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

5. FIRE-FIGHTING MEASURES

Flash point: Greater than -109ºC (-165ºF) (Propellant) Open cup

Autoignition temperature: Not available

Flammable/Explosive limits-lower %: Not available

Flammable/Explosive limits-upper %: Not available

Extinguishing media: Carbon dioxide (CO2). Foam. Dry chemical.

Special fire fighting 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

Environmental precautions: Remove sources of ignition. Ventilate area. Prevent product from entering the drains.

Clean-up methods: Soak up with inert absorbent. Keep in suitable and closed containers for disposal. Rinse spill area with water. Do not allow material to contaminate ground water system.

7. HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Avoid breathing vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation.

Storage: Keep in a cool, well ventilated area. Store away from ignition sources. Store at or below 49°C (120°F).

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.

Respiratory protection: Use a NIOSH approved supplied air respirator if the potential to exceed established exposure limits exists. Observe OSHA regulations for respiratory use (29 CFR 1910.134).

Skin protection: Chemical resistant, impermeable gloves.

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

See Section 2 for exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Aerosol
Color: Clear Colorless
Odor: Alcoholic
Vapor pressure: 33 mmHg at 21 ºC (70 °F)
pH: Not applicable
Boiling point/range: 82°C (180°F)
Melting point/range: Not available
Specific gravity: 0.79
Vapor density: 2.1
Evaporation rate: 7.7 (Ether = 1)
Solubility in water: Appreciable
Partition coefficient (n-octanol/water): Not available
VOC content: 99.9%; 789 grams/liter (EPA Method 24)

10. STABILITY AND REACTIVITY

Stability: Stable.

Hazardous polymerization: Will not occur.

Hazardous decomposition products: None reasonably foreseeable

Incompatability: Strong oxidizing agents. Strong acids and strong bases. Aluminum. Aldehydes.

Conditions to avoid: Not determined

11. TOXICOLOGICAL INFORMATION

Carcinogen Status

Hazardous components	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen
Isopropyl alcohol 67-63-0	No	No	No
Butane 106-97-8	No	No	No
Propane 74-98-6	No	No	No
N,N-Dimethyl-p-toluidine 99-97-8	No	No	No

Literature Referenced Target Organ & Other Health Effects

Hazardous components	Health Effects/Target Organs
Isopropyl alcohol 67-63-0	Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen
Butane 106-97-8	Cardiac, Central nervous system, Irritant
Propane 74-98-6	Cardiac, Central nervous system, Irritant
N,N-Dimethyl-p-toluidine 99-97-8	Allergen, Mutagen

12. ECOLOGICAL INFORMATION

Ecological information: Not available

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)

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.
CERCLA/SARA Section 311/312: Immediate Health Hazard, Delayed Health Hazard, Fire
CERCLA/SARA 313: This product contains the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372). Isopropyl alcohol (CAS# 67-63-0).

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 Domestic Substances List.
WHMIS hazard class: A, B.2, D.2.A, D.2.B

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 2

Prepared by: Regulatory Affairs

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