



Revision Number: 003.0

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**1. PRODUCT AND COMPANY IDENTIFICATION**

|                         |   |                             |  |
|-------------------------|---|-----------------------------|--|
| <b>Product name:</b>    | <b>Tak Pak® 712 Accelerator Metered Mist</b>                          | <b>IDH number:</b>          | 229783   |
| <b>Product type:</b>    | Accelerator   | <b>Item number:</b>         | 18636  |
| <b>Company address:</b> | Henkel Corporation<br>One Henkel Way<br>Rocky Hill, Connecticut 06067 | <b>Region:</b>              | United States  |
|                         |   | <b>Contact information:</b> | Telephone: 860.571.5100<br>MEDICAL EMERGENCY Phone: Poison Control Center<br>1-877-671-4608 (toll free) or 1-303-592-1711<br>TRANSPORT EMERGENCY Phone: CHEMTREC<br>1-800-424-9300 (toll free) or 1-703-527-3887<br>Internet: www.henkelna.com |

**2. HAZARDS IDENTIFICATION**

**EMERGENCY OVERVIEW**

|                        |                  |                             |                    |
|------------------------|------------------|-----------------------------|--------------------|
| <b>Physical state:</b> | Aerosol          | <b>HEALTH:</b>              | *2                 |
| <b>Color:</b>          | Clear, Colorless | <b>FLAMMABILITY:</b>        | 3                  |
| <b>Odor:</b>           | Alcoholic        | <b>PHYSICAL HAZARD:</b>     | 0                  |
|                        |                  | <b>Personal Protection:</b> | See MSDS 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:** 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. Tearing. Redness.

**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 |
| Butane (< 0.1 % butadiene) | 106-97-8   | 10 - 30  |
| Propane                    | 74-98-6    | 10 - 30  |
| N,N-Dimethyl-p-toluidine   | 99-97-8    | 1 - 5    |

#### 4. FIRST AID MEASURES

|                            |  |
|----------------------------|--|
| <b>Inhalation:</b>         | Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.               |
| <b>Skin contact:</b>       | Remove contaminated clothing and footwear. Wash with soap and water. If symptoms develop and persist, get medical attention. Wash clothing before reuse. |
| <b>Eye contact:</b>        | Flush with copious amounts of water, preferably, lukewarm water for at least 15 minutes, holding eyelids open all the time. Get medical attention.       |
| <b>Ingestion:</b>          | DO NOT induce vomiting unless directed to do so by medical personnel. Get medical attention.   |
| <b>Notes to physician:</b> | Aspiration may cause pulmonary edema or aspiration pneumonia.  |

#### 5. FIRE FIGHTING MEASURES

|  |  |
|--|--|
| <b>Flash point:</b>                        | > -109 °C (> -164.2 °F) Open cup; (value for propellant).  |
| <b>Autoignition temperature:</b>           | Not available.   |
| <b>Flammable/Explosive limits - lower:</b> | Not available.   |
| <b>Flammable/Explosive limits - upper:</b> | Not available.   |
| <b>Extinguishing media:</b>                | Carbon dioxide. foam Dry chemical.   |
| <b>Special firefighting procedures:</b>    | Water should be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat. |
| <b>Unusual fire or explosion hazards:</b>  | 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 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.

|                                   |  |
|-----------------------------------|--|
| <b>Environmental precautions:</b> | Remove all sources of ignition. Ventilate area. Do not allow product to enter sewer or waterways.  |
| <b>Clean-up methods:</b>          | 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

|                  |  |
|------------------|--|
| <b>Handling:</b> | Prevent contact with eyes, skin and clothing. Do not breathe vapor and mist. Wash thoroughly after handling. Use only with adequate ventilation. |
| <b>Storage:</b>  | For safe storage, store at or below 49 °C (120.2 °F)<br>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<br>400 ppm STEL  | 400 ppm (980 mg/m3) TWA     | None        | None  |
| Butane (< 0.1 % butadiene) | 1,000 ppm STEL   | None                        | None        | None  |
| Propane                    | Included in the regulation but with no data values. See regulation for further details | 1,000 ppm (1,800 mg/m3) TWA | None        | None  |
| N,N-Dimethyl-p-toluidine   | 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:** Use a NIOSH approved air-purifying respirator with an organic vapor cartridge. Observe OSHA regulations for respirator use (29 CFR 1910.134).

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

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

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Aerosol  
**Color:** Clear, Colorless  
**Odor:** Alcoholic  
**Odor threshold:** Not available.  
**pH:** Not available.  
**Vapor pressure:** 33 mm hg (21 °C (69.8 °F))  
**Boiling point/range:** 82 °C (179.6 °F)  
**Melting point/ range:** Not available.  
**Specific gravity:** 0.79  
**Vapor density:** 2.1  
**Flash point:** > -109 °C (> -164.2 °F) Open cup; (value for propellant).  
**Flammable/Explosive limits - lower:** Not available.  
**Flammable/Explosive limits - upper:** Not available.  
**Autoignition temperature:** Not available.  
**Evaporation rate:** 7.7 (Ether = 1)  
**Solubility in water:** Partially soluble  
**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:** Oxides of carbon. Oxides of nitrogen.

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

**Conditions to avoid:** Heat, flames, sparks and other sources of ignition.

## 11. TOXICOLOGICAL INFORMATION

| Hazardous components       | NTP Carcinogen | IARC Carcinogen | OSHA Carcinogen (Specifically Regulated) |
|----------------------------|----------------|-----------------|--|
| 2-Propanol                 | No             | No              | No                                       |
| Butane (< 0.1 % butadiene) | No             | No              | No                                       |
| Propane                    | No             | No              | No                                       |
| N,N-Dimethyl-p-toluidine   | No             | No              | No                                       |

| Hazardous components       | Health Effects/Target Organs  |
|----------------------------|---|
| 2-Propanol                 | Allergen, Blood, Brain, Central nervous system, Irritant, Kidney, Liver, Spleen |
| Butane (< 0.1 % butadiene) | Cardiac, Central nervous system, Irritant                                       |
| Propane                    | Cardiac, Central nervous system, Irritant                                       |
| N,N-Dimethyl-p-toluidine   | 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:** Aerosols  
**Hazard class or division:** 2.1  
**Identification number:** UN 1950  
**Packing group:** None

### 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, (Not more than 500 ml), ID8000

### 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 minimis  
**CERCLA/SARA Section 311/312:** Immediate Health, Delayed Health, Fire  
**CERCLA/SARA 313:** None above reporting de minimis  
**California Proposition 65:** No California Proposition 65 listed chemicals are known to be present.

### Canada Regulatory Information

**CEPA DSL/NDSL Status:** Contains one or more components listed on the Non-Domestic Substances List. All other components are listed on or are exempt from listing on the Domestic Substances List. Components listed on the NDSL must be tracked by all Canadian Importers of Record as required by Environment Canada. They may be imported into Canada in limited quantities. Please contact Regulatory Affairs for additional details.  
**WHMIS hazard class:** A, B.2, D.2.B

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:** Reviewed MSDS. Reissued with new date.

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