# Material Safety Data Sheet

**Revision Date:** 09/11/2008 **Issue date:** 09/11/2008

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

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

**Item No. :** 18390 / IDH No. 135265
**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<br>67-63-0 | 60-100 | 200 ppm TWA<br>400 ppm STEL | 400 ppm TWA<br>980 mg/m³ TWA | None |
| N,N-Dimethyl-p-toluidine<br>99-97-8 | 1-5 | None | None | None |

## 3. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW

**HMIS:**

**Physical state:** Liquid
**Color:** Clear Colorless
**Odor:** Alcoholic

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

**WARNING:** 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:** 11.6°C (53°F) Tagliabue closed cup

**Autoignition temperature:** Not available

**Flammable/Explosive limits-lower %:** 2.0 %

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

**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 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:** Safety glasses with side-shields. Goggles.

**See Section 2 for exposure limits.**

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Physical state:** Liquid
**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:** Not available
**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<br>67-63-0 | No | No | No |
| N,N-Dimethyl-p-toluidine<br>99-97-8 | No | No | No |

**Literature Referenced Target Organ & Other Health Effects**

| Hazardous components | Health Effects/Target Organs |
|---|---|
| Isopropyl alcohol<br>67-63-0 | Allergen, Blood, Central nervous system, Irritant, Kidney, Liver, Brain, Spleen |
| N,N-Dimethyl-p-toluidine<br>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:** Isopropanol
**Hazard class or division:** 3

| | |
|---|---|
| **Identification number:** | UN 1219 |
| **Packing group:** | II |
| ***Exceptions:*** | Consumer Commodity ORM-D (Not more than 1 Liter) |

**International Air Transportation (ICAO/IATA):**

| | |
|---|---|
| **Proper shipping name:** | Isopropanol |
| **Hazard class or division:** | 3 |
| **Identification number:** | UN1219 |
| **Packing group:** | II |
| ***Exceptions:*** | May Qualify as Consumer Commodity ID8000 (Not more than 500) |

**WaterTransportation (IMO/IMDG):**

| | |
|---|---|
| **Proper shipping name:** | Isopropanol |
| **Hazard class or division:** | 3 |
| **Identification number:** | UN1219 |
| **Packing group:** | II |
| ***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:** | B.2, D.2.A, D.2.B |

## 16. OTHER INFORMATION

**This material safety data sheet contains changes from the previous version in sections:** Updated Revision Date Only

**Prepared by:** Regulatory Affairs

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