



MATERIAL SAFETY DATA SHEET

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TPC SOLVENT® AEROSOL

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SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: TPC SOLVENT AEROSOL
GENERAL USE: General purpose bench top aerosol degreaser
PRODUCT DESCRIPTION: Solvent
GENERIC INGREDIENTS: Aliphatic hydrocarbons, propellant

EMERGENCY TELEPHONE NUMBERS: **PENETONE 201-567-3000**
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT SECTION

This product is hazardous as defined in 29 CFR 1910.1200.

OSHA HAZARD: COMBUSTIBLE

OSHA HAZARDOUS INGREDIENTS

| | CAS# | EXPOSURE LIMITS 8 hrs. TWA (ppm) | | Supplier |
|------------------------|------------|----------------------------------|-----------------|----------|
| | | OSHA PEL | ACGIH TLV | |
| Aliphatic hydrocarbons | 64742-48-9 | not established | not established | 300 |
| Carbon dioxide | 124-38-9 | 10,000 | 5,000 | --- |

SECTION 3 HEALTH INFORMATION & PROTECTION

EMERGENCY OVERVIEW:

Clear, water white liquid with mild hydrocarbon odor.
Contents under pressure. Combustible. Can be irritating to eyes, skin, and respiratory tract.

POTENTIAL HEALTH EFFECTS:

EYE CONTACT:

Slightly irritating but does not injure eye tissue.

SKIN CONTACT:

Frequent or prolonged contact may irritate and cause dermatitis. Low order of toxicity. Skin contact may aggravate an existing dermatitis condition.

INHALATION:

High vapor/aerosol concentrations (greater than about 1000 ppm) are irritating to the eyes and the respiratory tract, may cause headaches, dizziness, anesthesia, drowsiness, unconsciousness, and other central nervous system effects.

INGESTION:

Small amounts of this liquid may be drawn into the lungs by either swallowing or vomiting. This may cause severe and delayed health effects such as inflammation of the lungs and infection of the bronchi. Ingestion may cause irritation of the digestive tract and diarrhea.

FIRST AID MEASURES:

EYE CONTACT:

Flush eyes with large amounts of water. See physician immediately.

SKIN CONTACT:

Flush skin with large amounts of water. Use soap if available. Remove contaminated clothing and launder before reuse. If skin irritation develops or persists, consult physician.

INHALATION:

Remove person to fresh air. Administer oxygen or artificial respiration as needed. Call a physician immediately.

INGESTION:

If swallowed, DO NOT INDUCE VOMITING. Use a stomach pump. Call a physician immediately.

WORKPLACE EXPOSURE CONTROLS:

PERSONAL PROTECTION:

Safety glasses are recommended for all workplace conditions. Solvent resistant gloves are recommended where prolonged skin exposure is expected.

VENTILATION:

None needed under normal use conditions. For enclosed areas, or where large amounts of the product are being used, the use of fans or other mechanical ventilation is recommended.

SECTION 4 FIRE & EXPLOSION HAZARDS

FLASH POINT: 130 °F TCC, 145°F COC

FLAMMABLE LIMITS: about: 0.7% LEL, 7.0% UEL

AUTOIGNITION TEMPERATURE: about 660 °F.

GENERAL HAZARD:

Aerosol cans are under pressure. Exposure to temperatures above 120°F can cause bursting or "rocketing" of cans.

Combustible liquid. Can form combustible mixtures at or above the flash point.

Aerosol containers can rupture and explode under fire conditions due to pressure and vapor buildup.

FIRE FIGHTING:

Either allow fire to burn out under controlled conditions or extinguish with water, foam, or dry chemical.

Cool exposed containers with water spray.

HAZARDOUS COMBUSTION PRODUCTS:

Smoke, fumes, and oxides of carbon.

SECTION 5 SPILL CONTROL MEASURES

LAND SPILL:

Eliminate sources of ignition. For small spills, use absorbent material such as towels or absorbent powders. Put all material into proper waste disposal container with lid tightly covered. **Solvent soaked materials may spontaneously combust.** For larger spills, dike spill, recover free liquid, and use absorbent material to dry area. Put all material into appropriate waste containers.

WATER SPILL:

Remove product from water surface by skimming or with suitable absorbents. If allowed by local environmental regulatory agencies, you may use a suitable dispersant. Check with local environmental regulatory agencies for reporting requirements.

SECTION 6 HANDLING & STORAGE

STORAGE TEMPERATURE, °F: ambient. Prolonged exposure to direct sunshine or storage above 120°F may cause cans to burst. Do not puncture or incinerate cans.

GENERAL: Keep away from heat sources, open flames, and other ignition sources. Do not store near strong oxidants.

SECTION 7 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

BOILING POINT, °F:

345-386

EVAPORATION RATE, Acetone = 1:

less than 0.01

SOLUBILITY IN WATER:

insoluble

SPECIFIC GRAVITY at 75°F:

0.760

ODOR AND APPEARANCE:

clear water white liquid with mild hydrocarbon odor

VAPOR PRESSURE, mm Hg AT °F:

1 at 68 3 at 100

VAPOR DENSITY (Air = 1):

greater than 5

% ORGANIC VOLATILES, wt %:

100

pH:

not applicable

SECTION 8 REACTIVITY DATA

GENERAL:

This product is stable and hazardous polymerization will not occur.

INCOMPATIBLE MATERIALS AND CONDITIONS TO AVOID:

Strong oxidizing agents.

SECTION 9 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

PROPER SHIPPING NAME:

AEROSOLS

HAZARD CLASS: 2.1

IDENTIFICATION NUMBER: UN 1950

PACKING GROUP: none

LABEL: FLAMMABLE GAS

FLASH POINT: 130°F TCC

pH: not applicable

TSCA: The ingredients in this product are listed on the TSCA inventory.

CERCLA:

This product contains no reportable CERCLA materials. Contact local authorities to determine if there may be other local reporting requirements.

RCRA HAZARD CLASS:

D001 Ignitable hazardous waste.

SARA TITLE III:

311/312 HAZARD CATEGORIES:

Delayed health, Fire

313 REPORTABLE INGREDIENTS:

Carbon dioxide CAS# 124-33-9 <10 wt%

NEW JERSEY RIGHT-TO-KNOW INFORMATION:

This product contains aliphatic hydrocarbons (CAS# 64742-48-9) and carbon dioxide (CAS# 124-38-9).

CALIFORNIA PROPOSITION 65 INFORMATION:

This product does not contain any chemicals recognized by the state of California to cause cancer and/or birth defects or reproductive harm.

SCAQMD INFORMATION:

Is there a photochemically reactive material present? No
What is the % by volume of photochemically reactive material? 0
What is the VOC content? 750 g/l
What is the vapor pressure of VOC's? 1.2 mm Hg @ 20 Deg. C.

SECTION 10 NOTES

HAZARD RATING SYSTEMS:

| | HMIS | NFPA |
|--------------|------|------|
| HEALTH | 1 | 1 |
| FLAMMABILITY | 2 | 2 |
| REACTIVITY | 0 | 0 |

KEY
4 = Severe
3 = Serious
2 = Moderate
1 = Slight
0 = Minimal

REVISION SUMMARY:

Change in Section 9

SUPERSEDES ISSUE DATE:

February 12, 2004

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR SALES ENGINEER
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 201-567-3000

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