



MATERIAL SAFETY DATA SHEET

CHROMATE INDUSTRIAL CORPORATION®

5250-A Naiman Parkway, Solon, OH 44139 • 888-567-2206 • www.chromate.com

**FOR CHEMICAL
EMERGENCY**

Call ChemTrec day/night:
1-800-424-9300

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MAP-PRO™ GAS CYLINDER FUEL

DATE PREPARED: September 12, 2008

PART NUMBER: 8874

PRODUCT TYPE: Fuel

CHROMATE INDUSTRIAL CORPORATION

CHEM. FAMILY: Propylene

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SECTION 2 – HAZARDOUS INGREDIENTS / IDENTITY INFORMATION

HAZARDOUS COMPONENTS:	OSHA	ACGIH TLV	OTHER LIMITS RECOMMENDED	%
Propylene C ₃ H ₆	N/L	800 ppm	N/L	N/L

NFPA HAZARD RATINGS: HEALTH: 1 FLAMMABILITY: 4 REACTIVITY: 1

HMIS RATINGS: HEALTH: 0 FLAMMABILITY: 4 REACTIVITY: 0

Notes:

Propylene: 97%

Propane: 3%

SECTION 3 – PHYSICAL / CHEMICAL CHARACTERISTICS

Boiling Point: -54°F

Specific Gravity (H₂O-1): 0.512@70°F

Vapor Pressure (mm Hg): 132.8 psi@70°F

Melting Point: N/A

Vapor Density (AIR=1): 1.4S@70°F

Evaporation Rate (Butyl Acetate-1): N/A

Solubility in Water: Negligible

Appearance and Odor: Colorless-Rotten Egg (Sulfur) Odor

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used): -162°F Closed Cup

Flammable Limits: LEL: 2.2

UEL: 11.1

Extinguishing Media: CO₂, Foam, Class "B" or "C" Extinguishers

Special Fire-Fighting Procedures: Use water to cool tanks.

Unusual Fire and Explosion Hazards: Heavier than air (Vapor density 1.45.) May travel a considerable distance to an ignition source and flash back.

SECTION 5 – REACTIVITY DATA

Stability: Stable.

Incompatibility (Materials to Avoid): N/A

Hazardous Decomposition or By-Products: N/A

Hazardous Polymerization: Will not occur.

Conditions to Avoid: N/A

SECTION 6 – HEALTH HAZARD DATA

ROUTES OF ENTRY:

Inhalation: Yes Skin: Yes Ingestion: No

HEALTH HAZARDS (ACUTE AND CHRONIC): Burning the fuel may cause Carbon Monoxide (CO).

CARCINOGENICITY:

NTP	IARC MONOGRAPHS	OSHA REGULATED
N/A	N/A	N/A

SIGNS AND SYMPTOMS OF EXPOSURE:

Simple asphyxiant. Exposure to liquid may cause frost burn.

EMERGENCY AND FIRST AID PROCEDURES: Remove person to fresh air.

WARNING: This fuel, and by-products of combustion of this fuel, contain chemicals known to the state of California to cause cancer, birth defects, and other reproductive harm.

SECTION 7 – PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove ignition sources and ventilate area.

WASTE DISPOSAL METHOD/ PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store out of direct sunlight.

OTHER PRECAUTIONS: None.

SECTION 8 – CONTROL MEASURES

RESPIRATORY PROTECTION (SPECIFY TYPE): Not required with normal use.

VENTILATION:

LOCAL EXHAUST	MECHANICAL (GENERAL)	SPECIAL	OTHER
N/L	N/L	N/L	N/L

PROTECTIVE GLOVES: Not required.

EYE PROTECTION: Safety glasses recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Not required.

WORK/ HYGIENIC PRACTICES: N/A

SECTION 9 – SHIPPING INFORMATION

WHMIS CLASSIFICATION (A-COMPRESSED GAS & B1 FLAMMABLE): GAS

CLASS: 2.1

DOT: N/L

PROPER SHIPPING NAME: PROPYLENE

HAZARD CLASSIFICATION: FLAMMABLE GAS

UN NO.: 1077