

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Mapp® Gas Cylinder
DATE PREPARED: 04/01/98
AURALLOY PART NUMBER: 8875
PRODUCT TYPE: Liquified Petroleum Gas with
Methyl Acetylene-Propadien (0916-0009)
CHROMATE INDUSTRIAL CORPORATION
100 DaVinci Drive, Bohemia, NY 11716 • (888) 567-2206
CHEMICAL FAMILY: N/A

2. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	% BY WEIGHT	OSHA PEL	ACGIH TLV	STEL	CAS #
Methyl Acetylene-Propadiene	N/D	1000 ppm	1000 ppm	N/D	56960-91-9
Liquified Petroleum Gas	N/D	1000 ppm	1000 ppm	N/D	68476-85-7

* An asterisk (*) indicates the toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and 40 CFR 372.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW: Flammable gas. May cause flash fire or explosion. Contents under pressure. Harmful if inhaled.

PRIMARY ROUTES OF ENTRY: Inhalation, Ingestion, Eye, Skin

EFFECTS OF OVEREXPOSURE:

INHALATION: Can cause severe central nervous system depression (including unconsciousness). May cause headaches and dizziness. May cause asphyxiation in high concentrations. Prolonged inhalation may be harmful.

INGESTION: Ingestion not likely, product is a gas at room temperature.

SKIN CONTACT: No hazard in normal industrial use.

EYE CONTACT: Direct contact with liquified gas can result in eye burns.

CHRONIC HEALTH HAZARDS: Unknown

4. FIRST AID MEASURES

EMERGENCY FIRST AID PROCEDURES:

INHALATION: Remove to fresh air. If not breathing, give artificial respiration and/or give oxygen by trained personnel. Seek medical attention.

INGESTION: No emergency care anticipated.

SKIN CONTACT: Avoid breathing vapors from heated material.

EYE CONTACT: Immediately flush eyes with plenty of water. Get medical attention if irritation persists.

5. FIRE FIGHTING MEASURES

FLASH POINT (METHOD USE): -144°F (C.C.) **FLAMMABLE LIMITS:** LEL 3.0 UEL 11.0

AUTO IGNITION TEMPERATURE: 850°F

GENERAL HAZARD: Flammable gas. Can readily form explosive mixtures at or above the flashpoint. Flashback along vapor trail possible.

EXTINGUISHING MEDIA: DO NOT EXTINGUISH. Use water to cool containers. If safe to do, shut off source of fuel. Increase ventilation to prevent flammable air mixture.

HAZARDOUS COMBUSTION PRODUCTS: Smoke, oxides of carbon.

FIRE FIGHTING PROCEDURES: Evacuate area and fight fire from a safe distance. DO NOT extinguish a gas fire unless effective immediate shut-off of gas flow is possible. Explosive vapors could form. As in any fire, wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

UNUSUAL AND EXPLOSION HAZARDS: Flammable gas. May cause flash fire or explosion. Contents under pressure.

6. ACCIDENTAL RELEASE MEASURES

SPILLS OR LEAKS: Eliminate all ignition sources including interal combustion engines and power tools. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Avoid breathing vapors. Avoid contact with eyes, skin and clothing.

7. HANDLING AND STORAGE

SPECIAL PRECAUTIONS: Use spark-proof tools and explosion proof equipment. Ground and bond containers when transferring material.

Do not reuse this container. "Empty" containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Empty drums should be completely drained, properly sealed and promptly returned to a drum reconitioner or disposed of properly. Keep away from heat, sparks and flame. Store in a cool dry place.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION**PRECAUTIONS TO BE TAKEN:** N/A**RESPIRATORY:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.**SKIN PROTECTION:** No data available**EYE PROTECTION:** Wear safety glasses with side shields (or goggles) and a face shield.**EXPOSURE GUIDELINES:** No data available**ENGINEERING CONTROLS:** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

9. PHYSICAL AND CHEMICAL PROPERTIES**BOILING POINT:** -54°F**VAPOR DENSITY (AIR = 1):** >1**SOLUBILITY IN WATER:** Negligible**PERCENT VOLATILE BY VOLUME:** N/A**VAPOR PRESSURE:** 97 psig @ 70°F**APPEARANCE AND ODOR:** Colorless gas with characteristic, pungent odor**PRODUCT WEIGHT:** N/D**SPECIFIC GRAVITY (H₂O = 1):** 0.57 (liquid)**FREEZING POINT:** N/D**pH:** N/A**EVAPORATION RATE (n-Butyl Acetate = 1):** N/A**FORM:** Gas **VOLATILE COMPONENTS:** N/D

10. STABILITY AND REACTIVITY**STABILITY:** Stable **CONDITIONS TO AVOID:** Heat, ignition sources.**HAZARDOUS POLYMERIZATION:** Will not occur**INCOMPATIBILITY (MATERIALS TO AVOID):** Natural rubber, copper alloys >65%, silver, mercury, halogens, acids, potassium, metallic sodium, oxidizers.**HAZARDOUS DECOMPOSITION OR BYPRODUCTS:** No data available

11. TOXICOLOGICAL INFORMATION**EYE:** No data available.**SKIN:** No data available.**INGESTION:** No data available.**INHALATION:** No data available.**SUBCHRONIC:** No data available.**CHRONIC CARCINOGENICITY:****NTP:** Not Listed **IARC MONOGRAPH:** Not Listed **OSHA REGULATED:** Not Regulated**TERATOLOGY:** No data available.**REPRODUCTION:** No data available.**MUTAGENICITY:** No data available.

12. ECOLOGICAL INFORMATION**ECOTOXICOLOGICAL INFORMATION:** No data available.**CHEMICAL FATE INFORMATION:** No data available.

13. DISPOSAL CONSIDERATIONS**RCRA HAZARD CLASS:** No data available**WASTE DISPOSAL METHOD:** Do not attempt to dispose of waste or unused quantities. Return in the shipping container properly labeled, with valve protection cap in place to supplier for proper disposal.

14. TRANSPORT INFORMATION**TRANSPORTATION REQUIREMENTS (49CFR172-101)****D.O.T. CLASSIFICATION:** Flammable gas (2.1)**IDENTIFICATION #:** UN 1060**D.O.T. SHIPPING NAME:** Methyl Acetylene and Propadiene Mixtures, Stabilized**D.O.T. EMERGENCY GUIDE #:** 22**REPORTABLE QUANTITY (RQ):** None

15. REGULATORY INFORMATION**EXPOSURE LIMITS:** No data available.

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in this MSDS. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.

N/D — NOT DETERMINED N/A — NOT APPLICABLE N/R — NOT REGULATED

Conforms to 29 CFR 1910.1200, OSHA

ANSI Z129.1 - 1988 American National Standard for Hazardous Industrial Chemicals