



# MATERIAL SAFETY DATA SHEET

Prepared to U.S. OSHA, CMA, ANSI and Canadian WHMIS Standards

---

## **PART I**     *What is the material and what do I need to know in an emergency?*

---

EMERGENCY NUMBER: 1-800-535-5053

SECTION 1. ----- CHEMICAL IDENTIFICATION-----

NAME:            **ETHYL ACETYLENE**

SECTION 2. ----- COMPOSITION/INFORMATION ON INGREDIENTS -----

CAS #: 107-00-6

MF: C4H6

EC NO:            203-451-3

SECTION 3. ----- HAZARDS IDENTIFICATION -----

LABEL PRECAUTIONARY STATEMENTS

FLAMMABLE (USA DEFINITION)

HIGHLY FLAMMABLE (EUROPEAN DEFINITION)

IRRITANT

IRRITATING TO EYES AND RESPIRATORY SYSTEM.

DANGER: FLAMMABLE HIGH-PRESSURE LIQUID AND GAS.

KEEP AWAY FROM SOURCES OF IGNITION. NO SMOKING.

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

CYLINDER TEMPERATURE SHOULD NOT EXCEED 125 F(52 C).

DO NOT PUNCTURE OR INCINERATE THIS CYLINDER.

REFRIGERATE.

SECTION 4. ----- FIRST-AID MEASURES-----

IF INHALED, REMOVE TO FRESH AIR. IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

IF SWALLOWED, WASH OUT MOUTH WITH WATER PROVIDED PERSON IS CONSCIOUS. CALL A PHYSICIAN.

SECTION 5. ----- FIRE FIGHTING MEASURES -----

EXTINGUISHING MEDIA

DO NOT EXTINGUISH BURNING GAS IF FLOW CANNOT BE SHUT OFF IMMEDIATELY.

USE WATER SPRAY OR FOG NOZZLE TO KEEP CYLINDER COOL. MOVE CYLINDER AWAY FROM FIRE IF THERE IS NO RISK.

SPECIAL FIREFIGHTING PROCEDURES

WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING TO PREVENT CONTACT WITH SKIN AND EYES.

DANGER: FLAMMABLE HIGH-PRESSURE LIQUID AND GAS.

UNUSUAL FIRE AND EXPLOSIONS HAZARDS

MAY FORM EXPLOSIVE MIXTURES WITH AIR.

VAPOR MAY TRAVEL CONSIDERABLE DISTANCE TO SOURCE OF IGNITION AND FLASH BACK.

SECTION 6. ----- ACCIDENTAL RELEASE MEASURES-----

EVACUATE AREA AND KEEP PERSONNEL UPWIND.

SHUT OFF ALL SOURCES OF IGNITION.

WEAR SELF-CONTAINED BREATHING APPARATUS, RUBBER BOOTS AND HEAVY RUBBER GLOVES.

SHUT OFF LEAK IF THERE IS NO RISK.

VENTILATE AREA AND WASH SPILL SITE AFTER MATERIAL PICKUP IS COMPLETE.

SECTION 7. ----- HANDLING AND STORAGE-----

REFER TO SECTION 8.

SECTION 8. ----- EXPOSURE CONTROLS/PERSONAL PROTECTION-----

CHEMICAL SAFETY GOGGLES.

COMPATIBLE CHEMICAL-RESISTANT GLOVES.

USE ONLY IN A CHEMICAL FUME HOOD.

NIOSH/MSHA-APPROVED RESPIRATOR IN NONVENTILATED AREAS AND/OR FOR EXPOSURE ABOVE THE ACGIH TLV.

DO NOT BREATHE GAS.

DO NOT GET IN EYES, ON SKIN, ON CLOTHING.

AVOID PROLONGED OR REPEATED EXPOSURE.

WASH THOROUGHLY AFTER HANDLING.

IRRITANT.

CARCINOGEN.

KEEP TIGHTLY CLOSED.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

CYLINDER TEMPERATURE SHOULD NOT EXCEED 125 F(52 C).

STORE AND USE WITH ADEQUATE VENTILATION.

CONTENTS UNDER PRESSURE.

REFRIGERATE.

WARNING: SUCK-BACK INTO CYLINDER MAY CAUSE RUPTURE.

USE BACK-FLOW-PREVENTIVE DEVICE IN PIPING.

USE WITH EQUIPMENT RATED FOR CYLINDER PRESSURE, AND OF COMPATIBLE MATERIALS OF CONSTRUCTION. CLOSE VALVE WHEN NOT IN USE AND WHEN EMPTY.

MAKE SURE CYLINDER IS PROPERLY SECURED WHEN IN USE OR STORED.

SECTION 9. ----- PHYSICAL AND CHEMICAL PROPERTIES -----

APPEARANCE AND ODOR

COLORLESS GAS

PHYSICAL PROPERTIES

VAPOR PRESSURE: 2016MM 37.7 C

SECTION 10. ----- -STABILITY AND REACTIVITY -----

INCOMPATIBILITIES

STRONG OXIDIZING AGENTS

HALOGENS

CHLORINATED SOLVENTS

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS

CARBON MONOXIDE, CARBON DIOXIDE

SECTION 11. ----- TOXICOLOGICAL INFORMATION -----

ACUTE EFFECTS

HARMFUL IF SWALLOWED, INHALED, OR ABSORBED THROUGH SKIN.

VAPOR OR MIST IS IRRITATING TO THE EYES, MUCOUS MEMBRANES AND UPPER RESPIRATORY TRACT.

CHRONIC EFFECTS

CARCINOGEN.

ADDITIONAL INFORMATION

ACTS AS A SIMPLE ASPHYXIANT. SYMPTOMS OF OVEREXPOSURE INCLUDE DIZZINESS, DISORIENTATION, HEADACHE, EXCITATION, CENTRAL NERVOUS SYSTEM DEPRESSION AND ANESTHESIA.

SECTION 12. ----- ECOLOGICAL INFORMATION -----

DATA NOT YET AVAILABLE.

SECTION 13. ----- DISPOSAL CONSIDERATIONS -----

CAUTION: RETURN CYLINDER. DO NOT REUSE. EMPTY CYLINDER WILL CONTAIN HAZARDOUS RESIDUE. FOLLOW PROPER DISPOSAL TECHNIQUES.

OBSERVE ALL FEDERAL, STATE AND LOCAL ENVIRONMENTAL REGULATIONS.

SECTION 14. ----- TRANSPORT INFORMATION -----

CONTACT MESA FOR TRANSPORTATION INFORMATION.

SECTION 15. ----- REGULATORY INFORMATION -----

EUROPEAN INFORMATION

CAUTION: SUBSTANCE NOT YET FULLY TESTED.

R:11

FLAMMABLE (USA DEFINITION)

HIGHLY FLAMMABLE (EUROPEAN DEFINITION)

R:36/37

IRRITATING TO EYES AND RESPIRATORY SYSTEM.

S:16

KEEP AWAY FROM SOURCES OF IGNITION. NO SMOKING.

S:33

TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

S:26

IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE.

S:38

IN CASE OF INSUFFICIENT VENTILATION, WEAR SUITABLE RESPIRATORY EQUIPMENT.

SECTION 16. ----- OTHER INFORMATION -----

THE ABOVE INFORMATION IS BELIEVED TO BE CORRECT BUT DOES NOT PURPORT TO BE ALL INCLUSIVE AND SHALL BE USED ONLY AS A GUIDE.