

**SUBSTANCE : Acetylene C<sub>3</sub> H<sub>2</sub>**

SUPPLIER / PHONE NO.:

DESCRIPTION / USE: Ethereal odour when pure, slight garlic odour of commercial gas burning and cutting operations.

CLASSIFICATION:

(DELETE AS APPROPRIATE)



HARMFUL



IRRITANT



CORROSIVE



HIGHLY  
FLAMMABLE



TOXIC



EXPLOSIVE

OXIDISING

**INITIAL HEALTH RISKS:**

LOW

☐

MEDIUM

☐

HIGH

☐ 4

ROUTE OF EXPOSURE:

☐

SKIN

☐

SWALLOWING

☐ 4

INHALATION

☐

EYES

☐

CUTS

**CONTROL MEASURES:**

VENTILATION REQUIRED YES / ~~NO~~

IF YES, GIVE DETAILS:- Use in well ventilated areas

PPE REQUIREMENTS:

☐ 4

EYES

☐ 4

HANDS

☐ 4

FACE

☐ 4

BODY

TYPE OF PPE PROVIDED:

Standard procedures for cutting/burning

IS TRAINING REQUIRED IN PPE ~~YES~~ / NO (IF YES CONSULT SAFETY MANAGER)

**Personal Protection**

Only experienced and trained personnel to handle compressed gas.

Standard PPE for use in burning and cutting operations

**Risks Associated with use**

Fire, explosion, highly flammable

**REDUCED HEALTH RISKS:**

LOW

☐

MEDIUM

☐ 4

HIGH

☐

FURTHER MEASURES REQUIRED YES / ~~NO~~

DETAILS:

BCL Hot work permit to be issued

**FIRST AID:**

SKIN: N/A

EYES: N/A

INGESTION: N/A

INHALATION: Remove to fresh air, obtain medical help. Symptoms of asphyxia Fatigue, nausea.

**FIRE PRECAUTIONS:**

Where safe to do so close cylinder valve. In general evacuate, call emergency services.

**ENVIRONMENTAL PROTECTION:**

WASTE DISPOSAL: Through return trade system

SPILLAGE: N/A

**STORAGE:**

Cylinders should be stored vertical in a purpose built compound or cage in the open, away from sources of ignition. Separate storage areas for full and empty and at least 3 meters from oxygen and oxidant gases.

**TRANSPORT:**

Secure vertical trolley

DATE :

ASSESSED BY :

SIGNED: