

CHEM INTERNATIONAL

MATERIAL SAFETY DATA SHEET

EMERGENCY #: CANUTEC (613) 996-6666

PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

PRODUCT NAME: C.I. Quad
WHMIS CLASS: D2B Toxic
T.D.G. CLASSIFICATION: Not Regulated
MATERIAL USE: Multipurpose Cleaner

EFFECTIVE DATE: January 8, 2009

HAZARDOUS INGREDIENTS

| INGREDIENTS | CAS # | Wt% | ACGTH-TLV | LC50 | LD50 |
|--------------------------|--------------|------------|------------------|-------------------------|-----------------------|
| Ethylene Glycol | | | | | |
| Monobutyl Ether | 111-76-2 | 3 - 7 | n/a | Inhalation, rat 500 ppm | Oral, rat 1480 mg/kg |
| Sodium Metasilicate | 6834-92-0 | 1 - 5 | n/a | n/a | Oral, mouse 770 mg/kg |
| Sodium Xylene Sulphonate | 1300-72-7 | 1 - 5 | n/a | n/a | Oral, rat 5000 mg/kg |
| Trisodium Phosphate | 10101-89-0 | 1 - 5 | n/a | n/a | Oral, rat 7440 mg/kg |

PHYSICAL DATA

BOILING POINT(°C): 100 deg. C
VAPOUR PRESSURE (mm Hg): N/AV
VAPOUR DENSITY (Air=1): N/AV

SOLUBILITY IN WATER: 100%

PHYSICAL STATE: Liquid

PH (as supplied): 13.4 straight 11.01% sol.

APPEARANCE AND ODOUR: Yellow liquid with no odour

COEF. OF WATER/OIL DIST.: N/AV

SPECIFIC GRAVITY (H₂O=1): 1.085

PERCENT VOLATILE (by vol.): N/AV

EVAPORATION RATE (H₂O=1): N/AV

ODOUR THRESHOLD: N/AV

FREEZING POINT(°C): N/AV

FIRE AND EXPLOSION DATA

FLAMMABILITY: N/AV

FLASH POINT (Deg C method): N/AV

HAZARDOUS COMBUSTION PRODUCTS: COX, SOX Aldehydes, ketones

MEANS OF EXTINCTION: Water fog, CO₂, dry chemical

SPECIAL FIRE HAZARDS: Wear full protective gear and self contained breathing apparatus

AUTO IGNITION TEMP.: N/AV

EXPLOSION DATA-SENSITIVITY TO MECHANICAL IMPACT: N/AV

STATIC DISCHARGE: N/AV

REACTIVITY DATA

CONDITIONS FOR CHEMICAL INSTABILITY: Stable under normal conditions

INCOMPATIBILITY: Oxidizing material, acid, high temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: COX, SOX

REACTIVITY: N/AV

FIRST AID

EYE: Flush with running water for 15 minutes. Seek medical attention.

SKIN: Wash with non-abrasive soap and flush with plenty of water.

INHALATION: Remove to fresh air. If irritation persists, seek medical attention.

INGESTION: Do not induce vomiting, Drink milk, egg whites or large quantities of water. Get immediate medical attention

TOXICOLOGICAL PROPERTIES

ROUTE OF ENTRY: Eyes, skin contact, inhalation, ingestion

EFFECTS OF ACUTE EXPOSURE:

EYE: May cause severe irritation and burns

SKIN: May cause irritation

INHALATION: Lung irritant

INGESTION: Irritation of mouth and respiratory tract. Glycol ether has toxic effect on red blood cells.

EFFECTS OF CHRONIC EXPOSURE:

SKIN: Prolonged contact may cause burns

CARCINOGENICITY: N/AV

REPRODUCTIVE TOXIN: N/AV

TERATOGENICITY: N/AV

MUTAGENICITY: N/AV

SYNERGISTIC MATERIALS: None known

EXPOSURE LIMITS: Ethylene monobutyl ether TWA: 240 CEIL: 720 mgm³

PREVENTATIVE MEASURES

GLOVES: Rubber gloves.

EYE PROTECTION: Splash goggles.

RESPIRATORY PROTECTION: A mask could be worn.

OTHER PROTECTIVE EQUIPMENT: Coveralls should be worn

ENGINEERING CONTROLS: Should be used in a ventilated area with eyewash and safety shower nearby

LEAK AND SPILL PROCEDURE: Flush with water and mop up. Neutralize large spills with dilute acid.

WASTE DISPOSAL: Dispose of in accordance with federal, provincial and local regulations.

STORAGE REQUIREMENTS: Store in a well ventilated area, above freezing temperatures. Keep away from incompatible materials

HANDLING PROCEDURES: Gloves should be worn. Keep container closed when not in use.

N/A= NOT APPLICABLE · N/E=NOT ESTABLISHED · N/D=NOT DETERMINED · <=LESS THAN ·
>=MORE THAN

HMIS HAZARD RATING INFORMATION

FIRE

REACTIVITY

HEALTH

PERSONAL PROTECTION

0 – Minimal, 1- Slight, 2 – Moderate, 3 – Serious, 4 – Extreme.

DISCLAIMER: Information for this material safety data sheet was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases, data is not available and is so stated. Since conditions of actual product use are beyond the control of the supplier, it is assumed that the user of this material has been fully trained according to the mandatory requirements of WHIMIS. No warranty, expressed or implied is made, and supplier will not be liable for any losses, injuries, or consequential damage that may result from the use or reliance on any information contained in this form.

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