

MATERIAL SAFETY DATA SHEET

PRODUCT NAME: Cyclohexanone

CY100-00

SECTION 01: PRODUCT INFORMATION AND COMPANY INFORMATION

MANUFACTURER: Same as above
PREPARED BY: Production Department
VERSION DATE: 27-Jan-14
TELEPHONE NO.: (519) 686-6882
EMERGENCY PHONE NO.: (800) 996-6666
CHEMICAL FAMILY: Not Available
MOLECULAR WEIGHT: Not Applicable
CHEMICAL FORMULA: Not Applicable
MATERIAL USE: Please Refer to technical literature
SYNONYMS:

SECTION 02: COMPOSITION / INFORMATION ON INGREDIENTS

SECTION 03: HAZARD IDENTIFICATION

ROUTE OF ENTRY

Eyes: Severely irritating; may cause permanent damage; vapour irritating above 75ppm
Skin: Moderately to severely irritating
Inhalation: Irritating above 50ppm; headache, dizziness, drowsiness, intoxication, eventual collapse
Ingestion: Stomach ache; headache, dizziness, drowsiness, intoxication

SECTION 04: FIRSTAID

Skin Contact: Wash with plenty of water. Remove contaminated clothing and do not reuse until thoroughly laundered.
Eye Contact: Wash eyes with plenty of water, holding eyelids open. Seek medical assistance promptly if there is irritation.
Inhalation, Acute: Remove from contaminated area promptly. CAUTION: Rescuer must not endanger himself! If breathing stops, administer artificial respiration and seek medical aid promptly.
Ingestion: Give plenty of water to dilute product. Do not induce vomiting (NOTE below). Keep victim quiet. If vomiting occurs, lower victim's head below hips to prevent inhalation of vomited material. Seek medical help promptly.

Notes to physician: N.Av.

SECTION 05: FIRE EXPLOSION HAZARD AND FIRE FIGHTING MEASURES

FLAMMABLE? No
IF YES, UNDER WHICH CONDITIONS?

FLASH POINT (TCC) (C):	47 o C
FLAMMABLE LIMITS:	LEL(% BY VOL.): Not Available UEL(% BY VOL.): Not Available
AUTO IGNITION TEMPERATURE (C)	420 o C
EXTINGUISHING MEDIA	
SPECIAL PROCEDURES:	
HAZARDOUS COMBUSTION PRODUCTS:	Carbon monoxide, nitrogen oxides, smoke, part oxidised hydrocarbon fragments
UNUSUAL FIRE AND EXPLOSION HAZARDS	Not Available
SENSITIVITY TO STATIC DISCHARGE	Not Available
SENSITIVITY TO MECHANICAL IMPACT:	Not Available

SECTION 06: ACCIDENTAL RELEASE MEASURES

Leak and Spill Procedure: Dyke to control spillage and prevent environmental contamination. Ventilate contaminated area; recover free liquid with suitable pumps; absorb residue on an inert sorbent, sweep & pick up using plastic or aluminium shovel, & store in closed containers for recycling or disposal.

SECTION 07: HANDLING AND STORAGE

Handling Procedures and Storage Requirements

Store in a cool, dry environment, away from sources of ignition, heat and oxidising agents. This product can retain a static charge on agitation or transfer from one container to another. Despite the high flash point it is prudent to ground or electrically bond the source container, the receiving container, and pump before transferring contents. Avoid splashing by ensuring that the product nozzle is below the surface in the receiving container. This product may react with oxygen in the air to form explosive or flammable peroxides. Ensure that containers are full and tightly sealed when not in use. Empty containers may contain a flammable / explosive vapour. Avoid breathing product vapour. Use with adequate ventilation. If dealing with a spill, and ventilation is impossible or impractical, wear a respirator with organic vapour cartridge. Never cut, drill, weld or grind on or near this container. Avoid all contact with skin and wash work clothes frequently. An eye bath and safety shower must be available near the workplace.

SECTION 08: PERSONAL PROTECTIVE EQUIPMENT / EXPOSURE CONTROLS

GLOVES/TYPE:	Butyl or "Viton" gloves recommended
RESPIRATOR/TYPE:	A NIOSH/MSHA respirator with organic vapor cartridge.
EYE/TYPE:	Safety glasses.
OTHER/TYPE:	Not Available
ENGINEERING CONTROL	Not Available

SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE/APPEARANCE:	colourless to pale yellow liquid		
ODOUR:	peppermint odour	ODOUR THRESHOLD:	~3.5ppm
VAPOUR PRESSURE (mm Hg @ 20C):	4mmHg	VAPOUR DENSITY (Air=1):	3.4
EVAPORATION RATE (Ether = 1):	0.3	SPECIFIC GRAVITY:	0.948
BOILING POINT (C):	156 o C	FREEZING POINT (C)	-26 o C
Ph (% SOLUTION):	NONE		o C
SOLUBILITY IN WATER (% W/W)	23 grams per litre	% VOLATILE (WT):	2.2centipoise

SECTION 10: STABILITY AND REACTIVITY

CHEMICALLY STABLE? YES

IF NO, UNDER WHICH CONDITIONS?

INCOMPATIBILITY WITH OTHER SUBSTANCES

IF YES, WITH WHICH ONES:

SPECIAL REACTIVITY AND UNDER WHAT CONDITIONS

HAZARDOUS DECOMPOSITION PRODUCTS:

SECTION 11: TOXICOLOGICAL INFORMATION

EXPOSURE LIMIT OF MATERIAL

LC 50 OF MATERIAL, SPECIES AND ROUTE

LD 50 OF MATERIAL, SPECIES AND ROUTE
CARCINOGENICITY OF MATERIAL
REPRODUCTIVE EFFECTS:
IRRITANCY OF MATERIAL
SENSITIZING CAPABILITY OF MATERIAL
SYNERGISTIC MATERIALS

SECTION 12: ECOLOGICAL INFORMATION

AQUATIC TOXICITY LC50 (Fish, 96hr) 530, 625 & 730mg/litre (Pimephelas promelas). EC50 (Crustacea, 24hr) 820mg/litre (Daphnia magna). EC50 (Bacteria) 6.9mg/litre ("mixed bacterial culture"), 18.5mg/litre (Photobacterium phosphoreum), 700mg/litre ("mixed bacterial culture").

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL: Do not flush to sewer, recycle if possible, may be incinerated in approved facility.

SECTION 14: TRANSPORT INFORMATION

TDG CLASSIFICATION Class 3, Cyclohexanone

UN NUMBER: 1915

PACKING GROUP: III

Special Provisions for Transport

SECTION 15: REGULATORY INFORMATION

WHMIS CLASSIFICATION

SECTION 16: OTHER INFORMATION

ABBREVIATIONS USED: N.Av. = Not Available
N.App. / N.Ap. = Not Applicable

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SOURCES: Supplier MSDS

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