

# CHEM INTERNATIONAL

## **MATERIAL SAFETY DATA SHEET**

**EMERGENCY #: CANUTEC (613) 996-6666**

### PRODUCT IDENTIFICATION AND PREPARATION INFORMATION

**PRODUCT NAME:** C.I. Stapol (bulk)

**EFFECTIVE DATE:** January 15, 2009

**WHMIS CLASS:** B-3 D-2B

**T.D.G. CLASSIFICATION:** Flammable Liquid, N.O.S. (Petroleum Distillates)

**UN:** 1993

**CLASS:** 3.3

**PG:** III

**MATERIAL USE:** Stainless steel cleaner

### HAZARDOUS INGREDIENTS

INGREDIENTS	CAS #	Wt%	TLV	LD50	LC50
Napththa, hydrotreated heavy	64742-48-9	60-100	300 ppm	N/A	N/A

### PHYSICAL DATA

**BOILING POINT (°C):** 204°C

**VAPOUR PRESSURE (mm Hg):** 4.5 @ 20°C

**PECIFIC GRAVITY (H<sub>2</sub>O=1):** 0.794

**PERCENT VOLATILE (by vol.):** 72%

**SOLUBILITY IN WATER:** Easily soluble in cold water, hot water, methanol. Insoluble in diethyl ether, n-octanol.

**PH (as supplied):** N/A

**APPEARANCE AND ODOUR:** Clear, yellow liquid, smells like apple

### FIRE AND EXPLOSION DATA

**FLAMMABILITY:** Flammable

**FLASH POINT:** OPEN CUP: 64°C (T.O.C.)

**HAZARDOUS COMBUSTION PRODUCTS:** These products are carbon oxides (CO, CO<sub>2</sub>)

**MEANS OF EXTINCTION:** Flammable liquid, insoluble in water. **SMALL FIRE:** Use dry chemicals, CO<sub>2</sub>, alcohol foam or water spray. **LARGE FIRE:** Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.

**AUTO IGNITION TEMP:** 200°C

### REACTIVITY DATA

**CONDITIONS FOR CHEMICAL INSTABILITY:** This product is stable

**REACTIVITY:** Reactive with oxidizing agents, reducing agents, organic materials, acids, alkalis.

### FIRST AID

**EYE:** Flush eyes with running water, keeping eyelids open. If irritation persists, get medical attention.

**SKIN:** Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap.

**INHALATION:** Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

**INGESTION:** DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Seek immediate medical attention.

## **TOXICOLOGICAL PROPERTIES**

**ROUTE OF ENTRY:** Eyes contact (X), Skin contact (X), Skin absorption ( ), Inhalation (X), Ingestion (X)

**EFFECTS OF ACUTE EXPOSURE:**

This product may irritate eyes and skin. Harmful if swallowed or inhaled

**EFFECTS OF CHRONIC EXPOSURE:**

**CARCINOGENICITY:** None

**REPRODUCTIVE TOXIN:** This product is not toxic to the reproductive system.

**TERATOGENICITY:** None

**MUTAGENICITY:** None

## **PREVENTATIVE MEASURES**

**HAND PROTECTION:** Gloves should be worn

**EYE PROTECTION:** Splash goggles recommended

**RESPIRATORY PROTECTION:** Wear appropriate respirator when ventilation is inadequate

**OTHER:** splash goggles, full suit, vapor respirator, boots are recommended under exceptional circumstances such as fire, spill or for prolonged contact with bulk quantities.

**ENGINEERING CONTROLS:** Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

**LEAK AND SPILL PROCEDURE:** Absorb with an inert material and put the spilled material in an appropriate waste disposal.

**WASTE DISPOSAL:** Review federal, provincial and local government requirements prior to disposal.

**STORAGE REQUIREMENTS:** Keep away from heat, from sources of ignition. Keep container tightly closed, in a cool, well-ventilated place. A refrigerated room would be preferable for materials with a flash point lower than 37.8°C

**HANDLING PROCEDURES:** Keep away from heat, from sources of ignition. Ground all equipment containing material, Do not breathe gas, fumes, vapor or spray. Avoid contact with skin and eyes. DO NOT ingest. Keep out of reach of children.

## **HMIS HAZARD RATING INFORMATION**

<b>FIRE</b>	<b>REACTIVITY</b>	<b>HEALTH</b>
2	0	2

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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