

# EXPERT WORLDWIDE

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**MATERIAL SAFETY DATA SHEET**  
**PREMIUM 303**

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**5/03/00**

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This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet Community Right To Know Laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS.

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**This MSDS complies with 29 CFR 1910.1200**  
(The Hazard Communication Standard)

===== **SECTION I- PRODUCT IDENTIFICATION** =====

**PRODUCT DESCRIPTION: EXPERT PREMIUM 303**

**D.O.T. PROPER SHIPPING NAME:** TOXIC LIQUIDS, ORGANIC N.O.S.(Dichloromethane, Tetrachloroethylene) 6.1, UN2810, PGIII

**DRUM LABEL : KEEP AWAY FROM FOOD**

**HAZARD RATINGS:** HEALTH (NFPA) : 2  
HEALTH (HMIS) : 2  
FLAMMABILITY : 0  
REACTIVITY : 0

===== **SECTION II - COMPONENTS** =====

ALL COMPONENTS OF THIS PRODUCT ARE ON THE TSCA LIST  
**SARA TITLE III SECTION 313 SUPPLIER NOTIFICATION**  
THIS PRODUCT CONTAINS THE INDICATED <\*> TOXIC CHEMICALS SUBJECT TO THE  
REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING  
& COMMUNITY RIGHT-TO-KNOW ACT OF 1986 & OF 40 CFR 372.

SARA TITLE III INGREDIENTS	CAS #	REG. SECTION	RQ(LBS)
* METHYLENE CHLORIDE	75-09-2	(311,312,313, RCRA)	1000
* PERCHLOROETHYLENE	127-18-4	(311,312,313, RCRA)	100

**SARA SECTION 311/312 HAZARDS: ACUTE HEALTH, CHRONIC HEALTH**

(OSHA/TWA) See 29 CFR 1910.1052

MATERIAL	CAS #	STEL	PEL	H.A.P.
* METHYLENE CHLORIDE	75-09-2	100 PPM	25 PPM	YES
* PERCHLOROETHYLENE	127-18-4	125 PPM	25 PPM	YES

**THIS PRODUCT MEETS REQUIREMENTS OF SOUTHERN CALIFORNIA AQMD RULE 443.1 AND SIMILAR REGULATIONS.**

**CALIFORNIA PROPOSITION 65:**

This product contains the following chemicals known to the State of California to cause cancer:  
Methylene Chloride, Perchloroethylene

=====SECTION III - PHYSICAL DATA=====

**APPEARANCE:** LIQUID (WATER-WHITE)

**ODOR:** CHLORINATED

**BOILING POINT;** (Component) 102.9 - 104.7 F (39.3 – 40.3 C) @760mmHg

**SPECIFIC GRAVITY:** 1,380 @ 77 F

**TOTAL VOLATILE ORGANIC COMPOUNDS (TVOC):** 100.0 Vol.% / 1280.7 g/L /11.45 lbs/gal

**NON-EXEMPT VOC'S (CVOC):** 30.0 Vol.% / 356.7 g/L / 2.971 lbs/gal

**VAPOR PRESSURE (MM OF Hg) @ 68F:** 355

**NON-EXEMPT VOC PARTIAL PRESSURE (MM OF HG) @ 20C:** 2.6

**VAPOR DENSITY (AIR=1):** > 1

**WATER ABSORPTION:** NEGLIGIBLE

**% VOLATILE BY VOLUME:** 100.0

**SOLVENCY PARAMETERS:**

HKB (HYDROGEN BONDING): 19.7

PKB (POLARITY): 43.1

DKB (DISPERSION): 37.2

**REFRACTIVE INDEX:** 1.436

===== SECTION IV - HANDLING AND STORAGE =====

**\* HANDLING:**

Isolate from oxidizers, heat and open flame. Use only with adequate ventilation. Avoid breathing vapor or spray mist. Do not get in eyes, on skin or clothing. Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron and footwear impervious to this material. Wash clothing before reuse. Avoid free fall of liquid. Ground containers when transferring. Do not flame, cut, braze, or weld. Empty container can be hazardous!! Continue all label precautions!!. Drinking alcohol shortly before, during or after use can cause unwanted effects.

**\* STORAGE:**

When using, loosen bung slowly to relieve pressure. Do not store above 38c/ 100f, contact with hot surfaces can produce toxic gases. Store large amounts in structures made for OSHA Class IIIA liquids. Keep container tightly closed and upright when not in use to prevent leakage.

===== SECTION V - EXPOSURE CONTROLS =====

**\* EXPOSURE CONTROLS**

Ventilate to keep vapors of this material below 25 ppm. If over TLV, in accordance with 29 CFR 1910.34, use NIOSH approved positive-pressure self-contained breathing apparatus. Consult Safety Equipment Supplier. Use explosion-proof equipment.

**\* VENTILATION**

LOCAL EXHAUST:	Necessary
MECHANICAL (GENERAL):	Acceptable
SPECIAL:	None
OTHER:	None

**PERSONAL PROTECTION:** Wear OSHA Standard goggles or face shield. Consult Safety Equipment Supplier. Wear gloves, apron, and footwear impervious to this material. Wash clothing before reuse.

===== SECTION VI - REACTIVITY DATA =====

**\* STABILITY :** Stable

**\* CONDITIONS TO AVOID :** Isolate from oxidizers, heat and open flame

**\* MATERIALS TO AVOID :** Isolate from strong oxidizers such as permanganates, chromates & peroxides

**\* HAZARDOUS DECOMPOSITION:** (May form) Carbon Dioxide, Carbon Monoxide, Hydrogen Chloride, Phosgene from burning.

**\* HAZARDOUS POLYMERIZATION:** Will not occur.

===== SECTION VII - HAZARDS IDENTIFICATION =====

**\* THRESHOLD LIMIT VALUE:** 45 PPM (evaporated blend)

Contains: Methylene Chloride, Perchloroethylene

MATERIAL	CAS #	LOWEST KNOWN LETHAL DOSE
Methylene Chloride	75-09-2	Lowest Known LD50 (oral) 1900.0 mg/kg (Rabbits)

**ACUTE HAZARDS:**

**\* EYE AND SKIN CONTACT:**

Primary irritation to skin, defatting, dermatitis. Primary irritation to eyes, redness, tearing, blurred vision. Liquid can cause eye burns and skin irritation. Wash thoroughly after handling.

**\* INHALATION:**

Anesthetic. Irritates respiratory tract. Acute overexposure can cause serious nervous system depression which can cause death. Vapor exposure increases carbon monoxide level of blood.

Acute overexposure can cause damage to kidneys, blood, nerves, liver and lungs.

**\* SWALLOWING:**

KEEP AWAY FROM FOOD!! Harmful or fatal if swallowed. Swallowing can cause abdominal irritation, nausea, vomiting and diarrhea.

**\* SUBCHRONIC/CHRONIC HAZARDS:** Chronic overexposure can cause damage to kidneys, blood, nerves, liver and lungs. Persons with tumors, severe heart, skin, liver or kidney problems should avoid use.

**\* CANCER, REPRODUCTIVE & OTHER CHRONIC HAZARDS:** Potential cancer hazard based on tests with laboratory animals using Methylene Chloride and Perchloroethylene. Kidney, mammary, lung, liver, leukemia have been reported in laboratory mice and rats. Overexposure may create cancer risks.

===== **SECTION VIII - FIRST AID MEASURES** =====

- \* EYE CONTACT:** Immediately flush with plenty of water for 15 minutes and call a physician.
- \* SKIN CONTACT:** Immediately remove contaminated clothing. Wash thoroughly with soap and water. Discard contaminated shoes. Wash contaminated clothing before reuse.
- \* INHALATION:** After high vapor exposure, remove to fresh air. If breathing is difficult, give oxygen. Give artificial respiration if breathing has stopped. Call a physician immediately!!
- \* SWALLOWING:** Call a physician immediately. DO NOT induce vomiting. Have patient lie down and keep warm. Vomiting may lead to pneumonitis, which may be fatal.
- PHYSICIAN:** Give oxygen until recovery. Do not give patient sympathomimetic amines such as epinephrine, which can cause arrhythmia.

===== **SECTION IX - FIRE FIGHTING MEASURES** =====

**LOWER FLAMMABLE LIMIT IN AIR (% BY VOL):** 1.2 (Lowest Component)  
**FLASH POINT (TEST METHOD):** Not Applicable  
**AUTO IGNITION TEMPERATURE:** No data

**EXTINGUISHING MEDIA:** regular foam, water fog, carbon dioxide, dry chemical.

**FIRE FIGHTING INSTRUCTIONS:**

Wear a self-contained breathing apparatus with a full facepiece operated in the positive pressure demand mode with appropriate turnout gear and chemical resistant personal protective equipment.

===== **SECTION X - ACCIDENTAL RELEASE MEASURES** =====

**SPILL OR LEAK PROCEDURE:**

Stop spill at source. Dike area and contain. Clean up remainder with absorbent materials. Mop up and dispose of.

**WASTE DISPOSAL METHOD:**

Recycle or dispose of observing local, state, and federal health, safety and pollution laws. If questions exist, contact the appropriate agencies.

**OTHER PRECAUTIONS:**

Do not drink alcohol shortly before, during or after use.

===== **DISCLAIMER** =====

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