

MATERIAL SAFETY DATA SHEET

IDENTITY: FSC-88 Reducer

Date of Preparation: 7/1/00

SECTION I - MATERIAL AND MANUFACTURER IDENTIFICATION

Manufacturer's Name & Address

Coastal Enterprises Company
P.O. Box 4875
Orange, CA 92863-4875

For Information:
(800) 845-0745

Product Name: FSC-88

Chemical Names: VM&P Naphtha, Mineral Spirits, Xylene

DOT Proper Shipping Name: Paint Related Material

ID Number: UN 1263

DOT Hazard Classification: Flammable Liquid

Emergency Telephone Numbers:

Transportation Emergencies: Call CHEMTREC
(800) 424-9300 (202) 483-7616 (Collect) from
Alaska & Hawaii.

Health Emergencies: Call LOS ANGELES
POISON INFORMATION CENTER (24 hrs.)
(800) 356-3129

SECTION II - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

INGREDIENT	CAS NO.	TLV/PEL	UNITS	AGENCY	TYPE
MINERAL SPIRITS 75	64741-41-9	SEE	STODD		SOLV.
(Comparable to Stoddard Solvent)	8052-41-3	100	PPM	OSHA	TWA
		100	PPM	ACGIH	TWA
		100	PPM	MSHA	TWA
		200	PPM	MSHA	STEL
		100	PPM	CAL OSHA	TWA
SPECIAL NAPHTHOLITE (California Grade)	None	SEE	VM&P	NAPHTHA	
(VM&P NAPHTHA)	8032-32-4	300	PPM	ACGIH	TWA
		300	PPM	OSHA	TWA
		400	PPM	OSHA	STEL
		300	PPM	CAL OSHA	TWA
XYLENE (Mixed Isomers)	1330-20-7	100	PPM	OSHA	TWA
		100	PPM	ACGIH	TWA
		150	PPM	ACGIH	STEL
		150	PPM	OSHA	STEL

		200	PPM	CAL OSHA	EXCUR
XYLENE (Mixed Isomers)	1330-20-7	100	PPM	CAL OSHA	TWA
		(SKIN)			
		300	PPM	CAL OSHA	CEIL
		(SKIN)			
		100	PPM	MSHA	TWA
ETHYL BENZENE	100-41-4	100	PPM	OSHA	TWA
		100	PPM	ACGIH	TWA
		125	PPM	ACGIH	STEL
		125	PPM	OSHA	STEL
		100	PPM	CAL OSHA	TWA
		100	PPM	MSHA	TWA

SECTION 1 A - This product contains the following chemicals subject to the reporting requirements of SARA 313 and 40 CFR 372:

LISTED INGREDIENTS	CAS NO.	WEIGHT PERCENT RANGE
XYLENE (MIXED ISOMERS)	1330-20-7	4.80 - 5.60
ETHYL BENZENE	100-41-4	0.00 - 0.80

SECTION III - EMERGENCY AND FIRST AID PROCEDURES

*** EMERGENCY ***

Have physician call LOS ANGELES POISON INFORMATION CENTER (24 hrs.) (800) 356-3129

EYE CONTACT:

Move victim away from exposure and into fresh air. If irritation or redness develops, flush eyes with clean water and seek medical attention. For direct contact, hold eyelids apart and flush the affected eye(s) with clean water for a least 15 minutes. Seek medical attention.

SKIN CONTACT:

Remove contaminated shoes and clothing and cleanse affected area(s) thoroughly by washing with mild soap and water. If irritation or redness develops and persists, seek medical attention.

INHALATION (BREATHING):

If respiratory symptoms or other symptoms of exposure develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek immediate medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop oxygen should be administered by qualified personnel. Seek immediate medical attention.

INGESTION (SWALLOWING):

This material is a potential aspiration hazard. If swallowed, seek emergency medical attention. If victim is drowsy or unconscious, place on the left side with head down and do not give anything by mouth. Because of potential toxicity, if victim is conscious and alert, vomiting should be induced for ingestion of large amounts (more than 5 ounces in an adult) preferably with syrup of ipecac under direction from a physician or poison center. If possible, do not leave victim unattended.

SECTION IV - HEALTH HAZARDS/ROUTES OF ENTRY

EYE CONTACT:

One or more components of this material is an eye irritant. Direct contact with the liquid or exposure to vapors or mists may cause stinging, tearing, redness and swelling.

SKIN CONTACT:

One or more components of this material may cause mild skin irritation. Prolonged or repeated contact or exposure to vapors or mists may cause redness, burning and drying and cracking of the skin.

INHALATION (BREATHING):

While this material has a low degree of toxicity, breathing high concentrations of vapors or mists may cause:

- Irritation of the nose and throat.

- Signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination and fatigue).

- Shortness of breath.

Respiratory symptoms associated with pre-existing lung disorders (e.g., asthma-like conditions) may be aggravated by exposure to this material.

INGESTION (SWALLOWING):

While this material has a low degree of toxicity, ingestion of excessive quantities may cause:

- Irritation of the digestive tract.

- Signs of nervous system depression (e.g., headache, drowsiness, dizziness, loss of coordination, and fatigue).

ASPIRATION HAZARD - One or more components of this material can enter lungs during swallowing or vomiting and cause lung inflammation and damage.

COMMENTS:

Xylene, a component of this product, causes harm to the fetus in laboratory animal studies. Inhalation of Xylene produced limited evidence of hearing loss in laboratory animals. The relevance of these findings to humans is uncertain.

This material has not been identified as a carcinogen by NTP, IARC or OSHA.

Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage (sometimes referred to as Solvent or Painters' Syndrome). Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

SECTION V - SPECIAL PROTECTION INFORMATION

VENTILATION:

If current ventilation practices are not adequate to maintain airborne concentrations below established exposure limits (See Section I), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used.

RESPIRATORY PROTECTION:

The use of respiratory protection is advised when concentrations exceed the established limits, (See Section I), Depending on the airborne concentration, use a respirator or gas mask with appropriate cartridges and canisters (NIOSH) approved, if available) or supplied air equipment.

PROTECTIVE GLOVES:

The use of gloves impermeable to the specific material handled is advised to prevent skin contact and possible irritation.

EYE PROTECTION:

Approved eye protection to safeguard against potential eye contact, irritation or injury is recommended.

OTHER PROTECTIVE EQUIPMENT:

It is suggested that a source of clean water be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed.

SECTION VI - REACTIVITY DATA

STABILITY:

Stable

INCOMPATIBILITY (MATERIALS TO AVOID):

This product forms combustible and /or explosive mixtures with air and/or oxygen. This product is incompatible with:

Strong acids or Bases
Oxidizing Agents
Selected Amines

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.

HAZARDOUS POLYMERIZATION:

Will not occur.

SECTION VII - SPILL OR LEAK PROCEDURES

*****HIGHWAY OR RAILWAY SPILLS*****

Cal CHEMTREC (800) 424-9300 Cont. U.S.
(Collect) (202) 483-7616 from Alaska & Hawaii

PRECAUTIONS IN CASE OF RELEASE OR SPILL:

Keep all sources of ignition and hot metal surfaces away from spill / release. Stay upwind and away from, spill / release. Isolate hazard area and limit entry to emergency crew. Stop spill / release if it can be done without risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see section IV). Prevent spilled material from entering sewers, storm drains, other unauthorized treatment drainage systems, and natural waterways. Dike far ahead of spill for later recovery or disposal. Spilled material may be absorbed into an appropriate absorbent material. Notify fire authorities and appropriate federal, state and local agencies. Immediate cleanup of any spill is recommended. If spill / release in excess of EPA reportable quantity is made into the environment, immediately notify the national response center (phone number 800-424-8802).

(XYLENE) DOT/CERCLA Reportable Quantity 15625 LB.

WASTE DISPOSAL METHOD:

Dispose of product in accordance with local, county, state, and federal regulations.

SECTION VIII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Keep containers tightly closed, cool, dry and away from all sources of ignition. Use and store this product with adequate ventilation. Avoid inhalation of vapors and personal contact with product. Use good personal hygiene practice. Bond and ground equipment when transferring to another container. "Empty" containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose such containers to heat, flame, sparks, or other resources of ignition; they may explode and cause injury or death. "Empty" drums should be completely drained, properly shipped to the supplier or drum re-conditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Before working on or in tanks which contain or have contained this product, refer to occupational safety and health administration regulation, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding or other contemplated operations.

SECTION IX - FIRE AND EXPLOSION HAZARD DATA

HAZARD RANKING

NFPA	HEALTH HAZARD:	2	0 = LEAST	HMS	HEALTH HAZARD	2*
HAZARD	FLAMMABILITY:	3	1 = SLIGHT	HAZARD	FLAMMABILITY:	3
CLASS	REACTIVITY:	0	2 = MODERATE	CLASS	REACTIVITY:	0
	OTHER	-	4 = EXTREME		OTHER:	-

LOWER - UPPER EXPLOSIVE

Estimated

LIMIT (% VOL.): 0.9 - 7.0

*Long Term Health Effect

FLASH POINT (Deg. Fahr.): 57 F

Flammability Class 1B

EXTINGUISHING MEDIA:

Extinguish with dry chemical, CO or a universal type foam.

FIRE AND EXPLOSION HAZARDS:

This material is flammable and may be ignited by heat, sparks, flames, or other sources of ignition (e.g. static electricity, pilot lights, or mechanical / electrical equipment). Vapors may travel considerable distances to a source of ignition where they may ignite, flashback, or explode. May create vapor / air explosion hazard indoors, outdoors, or in sewers. Vapors are heavier than air and may accumulate in low areas. If container is not properly cooled, it may explode in the heat of a fire.

FIRE FIGHTING PROCEDURES:

Wear appropriate protective equipment including respiratory protection as conditions warrant (see section IV). Stop spill / release if it can be done without risk. Move undamaged containers from fire area if it can be done without risk. Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame. Avoid spreading burning liquid with water used for cooling purposes.

SECTION X - PHYSICAL DATA

APPROX. BOILING POINT (Deg Fahr)	RELATIVE EVAP. RATE (n-BuOAc = 1)	VAPOR PRESSURE
250 -395	0.81 (Estimated)	4.8 mm Hg @ 20C (Est.)
% VOLATILE	% SOLUBILITY IN WATER	VAPOR DENSITY
100.0 (Estimated)	0.0 (Estimated) 4.22	
SPECIFIC GRAVITY (60F/60F)	APPEARANCE	ODOR
0.768 (Estimated)	Clear, little if any color	Characteristic

SECTION XI - DOCUMENTARY INFORMATION

ISSUE DATE:	11/28/90	PREV.DATE:	04/23/90
ISSUE#	2	PREV.#	1

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