

MATERIAL SAFETY DATA SHEET

#1 NETWORK

COLOR CHANGE ONE

COLOR CHANGE SYSTEM

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Manufacturer: Optima, LLC Phone Number: 1-800-521-4042 Emergency Phone: 1-800-424-9300
Product Name: **COLOR CHANGE - STEP 1** Product Number: **23864**
Prepared By: MSDS Author 3 Date Prepared: 12/12/2003

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS	OHSA PEL	ACGIH TLV	Weight %
ALIPHATIC HYDROCARBON	64742-88-7	100 ppm	100 ppm	50-70
*AROMATIC HYDROCARBON	64742-94-5	N.E.	N.E.	5-10
PROPYL ETHER BLEND	MIXTURE	N.E.	N.E.	5-10

*Indicates toxic chemical(s) subject to the reporting requirements of Section 313 of Title III and of 40 CFR 372.
COLOR CHANGE ONE – STEP 1 CONTAINS < 1 % 1, 2, 4-TRIMETHYLBENZENE Cas# 95-63-6 and < 1% NAPHTHALENE Cas # 91-20-3 by weight which are a components of the PETROLEUM NAPHTHA mixture.
Manufacturer recommends 100mg/m³ TWA

3. HAZARDOUS IDENTIFICATION

Emergency Overview: Contains Petroleum Distillates! Harmful or fatal if swallowed. May cause lung damage.

POTENTIAL HEALTH EFFECTS

Eye Contact: May cause moderate to severe irritation.

Inhalation: Gas or vapor in high concentrations may irritate respiratory tract. Solvent vapors are hazardous and may cause nausea, sickness, vomiting and headaches or other signs of central nervous system depression with overexposure.

Ingestion: Swallowing can cause gastrointestinal irritation, nausea, vomiting, and diarrhea and possible damage to vital organs. Aspiration of materials into the lungs can cause chemical pneumonitis.

Skin Contact: May cause irritation and allergic skin reaction. Prolonged or repeated contact leads to drying of skin.

Signs And Symptoms Of Exposure: Eye irritation, respiratory irritation, dermatitis, difficulty breathing, nausea, vomiting, headaches, skin irritation, mucus membrane irritation, or intoxication.

4. FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes. Get immediate medical attention.

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.

Ingestion: If swallowed, DO NOT induce vomiting. Give large quantities of water. Call a physician or poison control center.

Skin Contact: Wash skin with soap and water. Wash contaminated clothing before re-use. Get medical attention if irritation or allergic reaction develops.

Aggravated Medical Conditions: Allergies, chronic asthma may be exacerbated by fumes from this product.

Supplemental Health Information: None of the components in this product is listed by IARC, NTP, or OSHA as carcinogen.

5. FIRE FIGHTING MEASURES

Flash Point: 142°F

Flash Point Method: T.C.C.

Auto ignition: N.E.

LEL: 1.0

UEL: 6.0

Extinguishing Media: Alcohol resistant foam, dry chemicals, sand, dolomite, etc.

Special Fire-Fighting Procedures: treat as a petroleum fire. Water spray may be ineffective on fire but may protect fire-fighters and cool closed containers. Use fog nozzles if water is used. Containers close to the fire should be removed or cooled with water. Do not get water inside container. Let small fires burn unless the leak can be stopped immediately and safely. Do not enter confined fire-space without full bunker gear. (Helmet with face shield, bunker coats, gloves and rubber boots). Use NIOSH approved positive-pressure self-contained breathing apparatus.

Unusual Fire And Explosion Hazards: COMBUSTIBLE! Keep container tightly closed. Isolate from oxidizers, heat, and open flames. Closed containers may explode if exposed to extreme heat.

Combustion Products: Carbon dioxide and carbon monoxide.

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Spilled Or Released: Review fire and explosion hazards and safety precautions before proceeding with cleanup. Use appropriate personal protective equipment. Avoid contact with skin and eyes. stop leak if possible without risk. Extinguish all ignition sources. Avoid sparks, flames, heat, and smoking. Use spark proof tools. Ventilate. Stop the spillage. Dike the spill. Prevent liquid from entering sewers, waterways or low areas. Absorb spillage in inert material. Soak up with sawdust, sand, or other absorbent material. Remove non-usable solid material and/or contaminated soil for disposal in an approved and permitted landfill. Discharge to sewer requires approval of permitting authority and may require pre-treatment. Contaminated surfaces should be cleaned using water.

7. HANDLING AND STORAGE

Precautions To Be Taken In Handling And Storage: Keep away from heat, sparks, and open flame. Static electricity and formation of sparks must be prevented. Keep in cool, dry, ventilated Class II liquid storage and closed containers. Protect from light, including direct sun rays. Ground container and transfer equipment to eliminate static electric sparks. Store isolated from oxidizing materials. Continue all label precautions.

Other Precautions: Empty containers retain product residue and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks static electricity, or other sources of ignition.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

PERSONAL PROTECTIVE EQUIPMENT

Respiratory Protection: Provide adequate general and local exhaust ventilation.

Ventilation: No specific recommendation made, but respiratory protection must be used if level exceeds the PEL. Use a respirator with organic vapor cartridges.

Protective Gloves: Impervious gloves recommended made of nitrile or butyl rubber.

Eye Protection: Safety glasses with side shields (or goggles) or goggles and splash shield.

Other Protective Clothing or Equipment: Rubber or plastic apron.

Work/Hygienic Practices: Use good personal hygiene when handling this product. Wash hands after use, before smoking, or using the toilet.

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use engineering controls to reduce air contamination to permissible exposure levels.

Exposure Guidelines: Use vapor, mist gas mask within use limits, or ventilate to keep vapors of this material below 15 ppm. If over, TLV, in accordance with 29 CFR 1910.134, use NIOSH approved positive-pressure self-contained breathing apparatus.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance And Odor: Clear pale yellow slightly viscous liquid with slight amine odor.

Solubility In Water: Emulsible

Boiling Point: 355° F-390° F

Vapor Pressure: N.E.

Specific Gravity: 0.82

Melting Point: Not applicable

Freezing Point: < 15° C

Percent Volatile: 92.57

Evaporation Rate: (n Butyl = 1) < 1

Vapor Density: (air =1) > 1

Ph: Not applicable

Molecular Weight: Not applicable

Pounds Per Gallon: 6.9

V.O.C. is 710 gm/L, or 86 %, or 5.9 lb/gal.

10. STABILITY AND REACTIVITY

Stability: Stable

Conditions To Avoid: Isolate from sparks, heat, flame and other sources of ignition.

Incompatibility: Isolate from strong oxidizers.

Hazardous Decomposition Or By Products: Carbon dioxide and carbon monoxide and dense smoke.

Hazardous Polymerization: Will Not Occur

11. TOXICOLOGICAL INFORMATION

12. ECOLOGICAL INFORMATION

13. DISPOSAL CONSIDERATIONS

Discharge, treatment or disposal may be subject to Federal, State (provincial in Canada) or local laws. Incinerate in suitable combustion chamber.

14. TRANSPORT INFORMATION

This material is regulated by the U.S. Department of Transportation (DOT) only when transported in bulk container shipments of greater than 119 gallon capacity. Reference 49.CFR 172.504(f) (2). However, pursuant to 49 CFR 173.150(b), "limited-quantities" offered for transport via aircraft may be subject to DOT regulation.

For non-bulk shipments less than 119 gallons:

DOT Class: NOT REGULATED
Hazard Class: NOT APPLICABLE
UN No.: NOT APPLICABLE
Packing Group:
Guide No:

For Bulk shipments greater than 119 gallons:

DOT Shipping Name: COMBUSTIBLE LIQUID, N.O.S.
(Contains: Petroleum Distillates)
Hazard Class: 3
UN No.: 1268
Packing Group: III
Guide No.: 128

15. REGULATORY INFORMATION

TSCA: All ingredients in this finished product are listed on the EPA TSCA INVENTORY.

SARA TITLE III: Diethanolamine (Cas # 111-42-2) is a component in this product and is listed under Section 313.

CALIF. PROP. 65: This product contains a mixture which includes Naphthalene Cas # 91-20-3 and 1, 2, 4

Trimethylbenzene Cas # 95-63-6. The following information is required by the State of California's Safe Drinking Water and Toxic Enforcement Act of 1986, or Proposition 65. This regulation does not address de minimus levels; therefore, even trace amounts of the chemicals included on Proposition 65's list of chemicals known to the State of California to cause cancer or reproductive toxicity must be noted with the "Safe Harbor" wording. WARNING: This product contains benzene and toluene in the above components, and they are known to cause birth defects or other reproductive harm.

CARCINOGENICITY: NONE OF THE COMPONENTS IN THIS CHEMICAL IS ABOVE THE MINIMUM AMOUNT LISTED BY IARC, NTP, OR OSHA AS A CARCINOGEN.

16. OTHER INFORMATION (HMIS)

Health: 1

Flammability: 2

Reactivity: 0

Protective: B

OTHER ADDITIONAL INFORMATION: The information contained herein is based on the data available to us and is believed to be accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof. We assume no responsibility for the injuries from the use of the product described herein

