



COLORINE THINNER

MSDS No.:7680

MSDS Preparation Date: January 8, 2010

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **COLORINE THINNER**

Product Use : Paint thinner

Chemical Family : Mixture

Supplier's name and address:

Rosco Laboratories Inc.

52 Harbor View Avenue
Stamford, CT, United States
06902

24 Hr. Emergency Tel # : (800) 424-9300

HMIS Rating : * - Chronic hazard 0 - Minimal 1 - Slight 2 - Moderate 3 - Serious 4 - Severe

Health: * 1 *Flammability:* 2 *Reactivity:* 0

WHMIS Classes:



FLAMMABLE



TOXIC

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredients</u>	<u>CAS #</u>	<u>% (weight)</u>	<u>ACGIH TLV</u>		<u>OSHA PEL</u>	
			<u>TWA</u>	<u>STEL</u>	<u>PEL</u>	<u>STEL</u>
Solvent naphtha, light aromatic	64742-95-6	30.0 - 60.0	N/Av	N/Av	N/Av	N/Av
1,2,4-Trimethylbenzene	95-63-6	15.0 - 40.0	25 ppm	N/Av	N/Av	N/Av
Xylene	1330-20-7	1.0 - 5.0	100 ppm	150 ppm	100 ppm (435 mg/m3)	N/Av
Cumene	98-82-8	1.0 - 5.0	50 ppm	N/Av	245 mg/m3	N/Av
Ethylbenzene	100-41-4	0.1 - 1.0	100 ppm	125 ppm	435 mg/m3	N/Av
Mesitylene	108-67-8	7.0 - 13.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

Clear, colourless liquid. Aromatic solvent odor. WARNING! Combustible liquid and vapor. Vapors are heavier than air. Vapors may ignite explosively. Vapor can travel considerable distance and flashback to a source of ignition. May cause eye, skin and respiratory tract irritation.

POTENTIAL HEALTH EFFECTS

Target organs : None reported by the manufacturer.

Routes of exposure : *Inhalation:* YES *Skin Absorption:* YES *Skin & Eyes:* YES *Ingestion:* YES

Potential acute health effects :



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- Eyes:* Causes eye irritation. Prolonged or repeated exposure may be harmful to health. May cause conjunctivitis, irritation, and inflammation of mucous membranes. May cause burning sensation, redness and tearing (watering). Possible severe irritation.
- Skin:* Irritating to skin. Prolonged or repeated exposure may be harmful to health. Possible irritation, defatting or dermatitis (rash). Components of the product may be absorbed into the body through the skin. May cause central nervous system depression.
- Inhalation:* Can cause irritation of the respiratory tract. Prolonged exposure to vapors may be harmful to health. If higher concentrations are inhaled, additional symptoms may include coughing, shortness of breath, headache, nausea, vomiting, dizziness, drowsiness and other central nervous system effects. May cause mucous membrane irritation. Other adverse effects: Asphyxia. Severe lung irritation or lung damage, loss of appetite. Sanding and grinding dusts may be harmful if inhaled. Contains particles which may cause lung damage if inhaled in large quantities.
- Ingestion:* Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. May cause lung inflammation. Harmful: may cause lung damage if swallowed. May cause mucous membrane irritation. Ingestion may cause symptoms similar to inhalation. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting. Other adverse effects : intoxication.

Potential chronic health effects

- : Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. May cause central nervous system depression. Prolonged inhalation of vapors may cause lung damage, including chronic bronchitis.

Medical conditions aggravated by overexposure

- : None expected, when used as intended.

Additional health hazards

- : None reported by the manufacturer.

Potential environmental effects

- : None reported by the manufacturer.

SECTION 4 - FIRST AID MEASURES

- Inhalation** : If breathed in, move person into fresh air. If breathing has stopped, give artificial respiration. If breathing is difficult, give oxygen by qualified medical personnel only. Seek immediate medical attention/advice.
- Skin contact** : Flush with plenty of water. Wash off with soap and plenty of water. Remove and wash contaminated clothing before re-use. If irritation persists, seek prompt medical attention.
- Eye contact** : Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If irritation persists, seek prompt medical attention.
- Ingestion** : Call a physician or Poison Control Centre immediately. Do NOT induce vomiting. Guard against aspiration into lungs by having the individual turn on their left side.
- Notes For Physician** : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability

- : Combustible liquid and vapor.

Flammability classification (OSHA 29 CFR 1910.1200)

- : OSHA Combustible Liquid II.

Flash point

- : 37.8 - 48.9 °C

Flash point Method

- : Not available.

Auto-ignition temperature : Not available.

Lower flammable limit (% by vol.)

- : 0.8

Upper flammable limit (% by vol.)

- : 11.2

Suitable extinguishing media

- : Dry chemical, foam, carbon dioxide and water fog.

Explosion data: Sensitivity to mechanical impact / static discharge

- : May be sensitive to static discharge.

Special fire-fighting procedures/equipment

- : Firefighters should wear an approved full-face, self-contained breathing apparatus (SCBA) and impervious clothing. Water may be ineffective on fire, but may be helpful in cooling unburned containers. Do not use a solid water stream as it may scatter and spread fire. If water is used, fog nozzles are preferable.



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Hazardous combustion products

: Oxides of carbon, nitrogen, and sulphur. Oxygen. Acrid fumes, toxic gases.

Oxidizing properties

: None reported by the manufacturer.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions

: All persons dealing with clean-up should wear the appropriate protective equipment including self-contained breathing apparatus. Avoid breathing vapors. Wear resistant clothing and boots.

Environmental precautions

: Prevent product from entering drains, sewers, waterways and soil.

Spill response/cleanup

: Eliminate all ignition sources if safe to do so. Ventilate area of release. Use only non-sparking tools and equipment in the clean-up process. Contain and absorb spilled liquid with non-combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal (see Section 13).

Containment

: Should not be released into the environment. Recover free liquid or cover with inert absorbent material and place into appropriate container for disposal.

SECTION 7 - HANDLING AND STORAGE

Safe Handling procedures

: Use with adequate ventilation. Avoid breathing vapor or mist. Avoid contact with skin and eyes. Wash hands thoroughly after using this product, and before eating, drinking or smoking. Avoid breathing of dust created by cutting, sanding, or grinding. Sanding and grinding dusts may be harmful if inhaled. Do not re-use empty containers. Do not puncture container. Keep in properly labeled containers. Containers should be grounded when pouring. Wear suitable protective equipment. Do not ingest. Do not cut, weld, drill or grind on or near this container.

Storage requirements

: Store in a cool, dry, well-ventilated area. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Do not freeze. Keep container tightly closed when not in use. Store in upright position only. Keep out of the reach of children. Empty product containers may contain hazardous product residue. Store away from incompatibles and out of direct sunlight.

Incompatible materials

: Oxidizing agents. Acids and bases. Aluminum. Ammonium salts. Other: magnesium, chlorinated rubber.

Special packaging materials

: Liquid-proof glass, plastic or non-corrodible metal containers are recommended.

SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering measures

: Use general or local exhaust ventilation to maintain air concentrations below recommended exposure limits. Use explosion-proof equipment. Discharge exhaust only in area away from ignition sources.

Respiratory protection

: Use NIOSH/MSHA approved full-face respirator with an organic vapor cartridge if the recommended exposure limit is exceeded. In order to avoid inhalation of spray-mist and sanding dust, all spraying and sanding must be done wearing adequate respirator. Respirators should be selected based on the form and concentration of contaminants in air, and in accordance with OSHA (29 CFR 1910.134) or CSA Z94.4-02.

Skin protection

: Wear impervious gloves, such as neoprene or nitrile rubber.

Eye / face protection

: Safety glasses with side-shields or chemical splash goggles.

Other protective equipment

: Emergency showers and eyewash facilities should be nearby. Depending on conditions of use, safety shoes and additional protective clothing may also be necessary.

General hygiene considerations

: Wash hands thoroughly after using this product, and before eating, drinking or smoking. Wash hands before breaks and at the end of workday.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state

: Liquid.

Appearance

: Clear, colorless liquid.



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Odor : Slight odor. Odor threshold : 1,2,4-Trimethylbenzene: 2.4 ppm (detectable) Xylene: 20 ppm (detectable) Cumene: 0.047 ppm (recognizable); 0.032 ppm (detectable) Mesitylene: 2.2 ppm (detectable) pH : Not available. Boiling point : 136.1- 179.4 °C Specific gravity : 0.876 Melting/Freezing point : Not available. Coefficient of water/oil distribution : Not available. Vapor pressure (mmHg @ 20° C / 68° F) : 1.0 mm Hg @ 12.8 °C 10.0 mm Hg @ 26.1 °C Solubility in water : Not available. Vapor density (Air = 1) : Heavier than air. Evaporation rate (n-Butyl acetate = 1) : Slower than n-butyl acetate Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 7.3/ 875.3 Volatiles (% by weight) : 70 Viscosity : Not available. Special Remarks On Fire Hazards : Vapor will form a flammable/explosive mixture with air between the upper and lower flammable limits. May spatter if the temperature exceeds the boiling point. Vapors may irritate eyes. May irritate skin.

SECTION 10 - REACTIVITY AND STABILITY DATA

Stability and reactivity : Stable under normal conditions. Hazardous polymerization : Will not occur. Conditions to avoid : High temperatures. Keep away from excessive heat, open flames, sparks and other possible sources of ignition. Oxidizing agents. Do not freeze. Materials To Avoid And Incompatibility : See Section 7 (Handling and Storage) section for further details. Hazardous decomposition products : See hazardous combustion products.

SECTION 11 - TOXICOLOGICAL INFORMATION

Table with 4 columns: Ingredients, LC50(4hr) inh, rat, LD50 oral, LD50 dermal. Rows include Solvent naphtha, light aromatic, 1,2,4-Trimethylbenzene, Xylene, Cumene, Ethylbenzene, and Mesitylene.

Toxicological data : Low order of toxicity for normal industrial handling. Carcinogenic status : Contains Ethylbenzene. Ethylbenzene is classified as carcinogenic by IARC (Group 2B) and ACGIH (Category A3). Reproductive effects : Not expected to have other reproductive effects. Teratogenicity : This product contains Xylene. Xylene may cause fetotoxic effects at doses which are not maternally toxic, based on animal data.



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- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Eyes, skin, respiratory system and digestive system.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : This product contains an ingredient(s) whose toxic effects may be increased by the consumption of alcohol. This product contains: 1,2,4-Trimethylbenzene, Mesitylene, Xylene, Ethylbenzene.

SECTION 12 - ECOLOGICAL INFORMATION

- Environmental effects** : None known or reported by the manufacturer.
- Important environmental characteristics** : None known or reported by the manufacturer.
- Ecotoxicological** : No data is available on the product itself.

SECTION 13 - DISPOSAL CONSIDERATIONS

- Handling for Disposal** : See Section 7 (Handling and Storage) section for further details.
- Methods of Disposal** : Dispose in accordance with all applicable federal, state, provincial and local regulations. Contact your local, state, provincial or federal environmental agency for specific rules. Do not puncture or incinerate. Contact waste disposal services.

SECTION 14 - TRANSPORTATION INFORMATION

Regulatory Information	UN Number	Shipping Name	Class	Packing Group	Label
TDG	UN1263	PAINT RELATED MATERIAL	Limited Quantity	III	
TDG Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Liters or less each). May be shipped as Limited Quantity when transported in containers no larger than 5.0 Liters; in packages not exceeding 30 kg gross mass.				
49CFR/DOT	UN1263	Paint related material	Limited Quantity	III	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Liters or less each). May be shipped as Limited Quantity when transported in containers no larger than 5.0 Liters; in packages not exceeding 30 kg gross mass.				
ICAO/IATA	UN1263	Paint related material	3	III	
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction Y309, 309, or 310.				
IMDG	UN1263	PAINT RELATED MATERIAL	Limited Quantity	III	
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Liters; in packages not exceeding 30 kg gross mass. EmS: F-E, S-E.				

SECTION 15 - REGULATORY INFORMATION

US Federal Information:



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All ingredients are listed on the TSCA Inventory, or are exempted materials.

SARA TITLE III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372: This product may be subject to SARA notification requirements, since it contains Toxic Chemical constituents above their de minimus concentrations. This product contains: 1,2,4-Trimethylbenzene, Xylene, Cumene, Ethylbenzene.

US State Right to Know Laws:

California Proposition 65: This product contains a chemical known to the State of California to cause cancer and/or reproductive harm. This product contains: Ethylbenzene.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA): All ingredients are listed on the DSL, or are exempted materials.

Canadian WHMIS Classification: B3, D2B, D2A.

This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.



SECTION 16 - OTHER INFORMATION

Legend

- : ACGIH: American Conference of Governmental Industrial Hygienists
- IARC: International Agency for Research on Cancer
- N/Ap: not applicable
- N/Av: not available
- NIOSH: National Institute of Occupational Safety and Health
- NTP: National Toxicology Program
- OSHA: Occupational Safety and Health Administration

References

- : Information obtained from sources including original supplier's Material Safety Data Sheet, and references including RTECS and CCOHS Cheminfo.

<p>Prepared for: Rosco Laboratories Inc. 52 Harbor View Avenue Stamford, CT, USA, 06902 Phone: (203) 708 8900 http://http://www.rosco.com/</p>	
<p>Prepared by: ICC The Compliance Center Inc. Canada: 1-888-977-4834 USA: 1-888-442-9628 http://www.thecompliancecenter.com</p>	

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