

COLORINE

MSDS No.:7600 Series

MSDS Preparation Date: April 16, 2007

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MATERIAL SAFETY DATA SHEET

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name : **COLORINE**
 Colorine Cardinal Red (No.7601)
 Colorine Ruby Red (No. 7602)
 Colorine Magenta (No. 7603)
 Colorine Moonlight Blue (No. 7604)
 Colorine Urban Blue (No. 7605)
 Colorine Emerald Green (No. 7607)
 Colorine Golden Amber (No. 7610)
 Colorine Canary (No. 7615)
 Colorine Clear (No. 7617)

Product Use : Paint

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: 2 *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	60.0 - 100.0	N/Av	N/Av	N/Av	N/Av
1,2,4-Trimethylbenzene	95-63-6	10.0 - 30.0	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule)	N/Av
1,3,5-Trimethylbenzene	108-67-8	1.0 - 5.0	25 ppm (trimethylbenzene isomers)	N/Av	25 ppm (trimethylbenzene isomers) (final rule)	N/Av
Styrene Acrylate Polymer	25036-16-2	30.0 - 60.0	N/Av	N/Av	N/Av	N/Av

SECTION 3 - HAZARDS IDENTIFICATION



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EMERGENCY OVERVIEW

Liquid. Multiple colours. Aromatic solvent odour. **WARNING!** Combustible liquid and vapour. Vapours are heavier than air. Vapours may ignite explosively. Vapour 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 :

Eyes: Direct contact may cause mild eye irritation. May cause burning sensation, redness and tearing (watering).
Skin: May cause mild to moderate skin irritation. May cause redness and itching or burning sensation. Not expected to be harmful to internal organs if absorbed through the skin.
Inhalation: May cause irritation to the nose, throat and upper respiratory tract. Vapours may irritate eyes. May cause lung irritation. Prolonged exposure to vapours 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. In extremely high concentrations, may cause coma, respiratory collapse and death.
Ingestion: Lung aspiration hazard. This product may be aspirated (inhaled) into the lungs during ingestion. Ingestion may cause symptoms similar to inhalation. Small amounts of liquid aspirated into the respiratory system during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. May cause gastrointestinal irritation. Gastrointestinal irritation may include abdominal pain, nausea, diarrhea and vomiting.

Potential chronic health effects :

Prolonged skin contact may defat the skin and produce dermatitis. Harmful by skin absorption. Possible adverse effects on the central nervous system and blood-forming system. Repeated and prolonged exposure to solvents may cause brain and nervous system damage. Respiratory disease including asthma and bronchitis.

Medical conditions aggravated by overexposure :

Pre-existing skin, eye and respiratory disorders.

Additional health hazards :

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

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. Never give anything by mouth to an unconscious person. Have victim rinse mouth with water, then give one to two glasses of water to drink. If vomiting occurs spontaneously, keep victim's head lowered (forward) to reduce the risk of aspiration. Seek immediate medical attention/advice.
Notes For Physician : Treat symptomatically.

SECTION 5 - FIRE FIGHTING MEASURES

Fire hazards/conditions of flammability : Combustible liquid and vapour.
Flammability classification (OSHA 29 CFR 1910.1200) : OSHA Combustible Liquid II.
Flash point : 42 °C
Flash point Method : TCC **Auto-ignition temperature** : Not available.
Lower flammable limit (% by vol.) **Upper flammable limit (% by vol.)**



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: 1.9 : 12.6
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. Not sensitive to mechanical impact.

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.

Hazardous combustion products

: Carbon oxides and other irritating fumes and smoke.

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 vapours. 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). For large spills, dike the area to prevent spreading. If the product becomes a waste, it may meet the criteria of a hazardous waste according to the US RCRA Title 40 CFR 261.

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

: Provide sufficient ventilation to keep vapour concentration below the given TLV and/or PEL. Avoid breathing vapour 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 labelled 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. Empty containers retain residue (liquid and/or vapour) and can be dangerous.

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. Keep away from oxidizing materials.

Incompatible materials

: Strong oxidizing agents

Special packaging materials

: Liquid-proof glass, plastic or non-corrodable 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 vapour 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.



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- 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. Depending on conditions of use, an impervious apron should be worn. Remove and wash contaminated clothing before re-use. Discard contaminated shoes.
- 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. Maintain good housekeeping.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

- | | |
|---|--|
| Physical state : Liquid. | Appearance : Multiple colours. |
| Odour : Aromatic solvent odour. | Odour threshold : Not available. |
| pH : Not available. | |
| Boiling point : 159 °C | Specific gravity : 0.92 |
| Melting/Freezing point : Not available. | Coefficient of water/oil distribution : Not available. |
| Vapour pressure (mmHg @ 20° C / 68° F) : < 4 | Solubility in water : Insoluble. |
| Vapour density (Air = 1) : Heavier than air. | Evaporation rate (n-Butyl acetate = 1) : Slower than ether. |
| Volatile organic Compounds (VOC's) (lbs/gal;g/l) : 636 g/l | Volatiles (% by weight) : 70 |
| Viscosity : Not available. | |
- Special Remarks On Fire Hazards** : Vapour will form a flammable/explosive mixture with air between the upper and lower flammable limits. May spatter if the temperature exceeds the boiling point. Vapours 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. Do not use in areas without adequate ventilation.
- 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

Ingredients	LC₅₀(4hr) inh, rat	LD₅₀	
		oral	dermal
Solvent naphtha, light aromatic	N/Av	8400 mg/kg	N/Av
1,2,4-Trimethylbenzene	18000 mg/m3	5000 mg/kg	N/Av
1,3,5-Trimethylbenzene	24000 mg/m3	5000 mg/kg	N/Av
Styrene Acrylate Polymer	N/Av	N/Av	N/Av

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- Toxicological data** : Low order of toxicity for normal industrial handling.
- Carcinogenic status** : No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.
- Reproductive effects** : Not expected to have other reproductive effects.
- Teratogenicity** : Teratogenic effects may occur at doses which also produce toxic effects in the material animal.
- Mutagenicity** : Not expected to be mutagenic in humans.
- Reproductive Effects** : Not expected to have other reproductive effects.
- Irritancy** : Irritating to eyes, respiratory system and skin.
- Sensitization to material** : Not expected to be a sensitizer.
- Synergistic materials** : Consumption of alcoholic beverages may increase the potential for development of toxic effects resulting from exposure to this product.






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	None	Not regulated.	not regulated	none	
TDG Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each).				
49CFR/DOT	None	Not regulated.	not regulated	none	
49CFR/DOT Additional information	Not regulated for road or rail shipment if packaged in non-bulk containers (450 Litres or less each).				
ICAO/IATA	UN1263	Paint	3	III	 
ICAO/IATA Additional information	Refer to ICAO/IATA Packing Instruction Y309, 309, or 310.				
IMDG	UN1263	PAINT	Limited quantity	III	
IMDG Additional information	May be shipped as Limited Quantity when transported in containers no larger than 5.0 Litres; in packages not exceeding 30 kg gross mass. EmS: F-E, S-E.				



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SECTION 15 - REGULATORY INFORMATION

US Federal Information:

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.

US State Right to Know Laws:

California Proposition 65: To the best of our knowledge, this product does not contain any chemicals known to the State of California to cause cancer or reproductive harm.

Canadian Regulations:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Canadian WHMIS Classification: B3, D2B.

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

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