

Material Safety Data Sheet

Section 1. Product Identification and Use

Product Name - Trade Name **C33871 LUSTRATE II 50°**
Supplier - Manufacturer **Chemcraft International Inc.,**
155 Rose Glen Road North
P.O. Box 458
Port Hope, ON.
Canada L1A 3Z3
Telephone (905) 885-6388 Fax (905) 885-5097
In case of Emergency (905) 885-6388, (800) 263-7951

For Transport Emergency or After Hours

CANUTEC (613) 996-6666

Code C33871
Synonym LUSTRATE II 50°
Chemical Name Not applicable.
Chemical Family Synthetic polymer in organic solvent. (Paint.)
Chemical Formula Not applicable.
Material Uses Coatings: Surface coatings and finishes.
Product Identification Number (PIN) 1263 PAINT

Section 2. Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			LC ₅₀ /LD ₅₀	TLV/PEL
Methyl n-amyl ketone	110-43-0	30-60	ORAL (LD50): Acute: 1670 mg/kg [Rat]. 730 mg/kg [Mouse]. DERMAL (LD50): Acute: 10220 mg/kg [Rabbit].	ACGIH (Canada, 2000). TWA: 50 ppm OSHA (Canada). TWA: 100 ppm TWA: 465 mg/m ³
Methyl isobutyl ketone	108-10-1	5-10	ORAL (LD50): Acute: 21000 mg/kg [Rat]. 2850 mg/kg [Mouse]. DERMAL (LD50): Acute: 20001 mg/kg [Rabbit].	ACGIH (Canada, 1994). TWA: 50 ppm STEL: 75 ppm TWA: 205 mg/m ³ STEL: 307 mg/m ³
Isobutyl acetate	110-19-0	10-30	ORAL (LD50): Acute: 4763 mg/kg [Rabbit]. 3200 mg/kg [Rat].	Not available.
Propylene glycol monomethyl ether acetate	108-65-6	1-5	ORAL (LD50): Acute: 8532 mg/kg [Rat].	Not available.

Trace impurities and additional material names not listed above may appear in other sections of this MSDS. These materials may be listed for toxicological concerns, local compliance, or other reasons.

Section 3. Physical Data

Physical State and Appearance Liquid.
Color Not available. Odor Not available. Taste Not available.
Molecular Weight Not applicable.
pH (1% soln/water) Not applicable.
Boiling Point The lowest known value is 116°C (240.8°F) (2-Pentanone, 4-methyl-). Weighted average: 139.97°C (283.9°F)
Melting Point May start to solidify at -33°C (-27.4°F) based on data for: 2-Heptanone. Weighted average: -53.4°C (-64.1°F)
Critical Temperature Not available.

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Specific Gravity	Weighted average: 0.94 (Water = 1)
Vapor Pressure	The highest known value is 2 kPa (15 mmHg) (at 20°C) (2-Pentanone, 4-methyl-). Weighted average: 0.79 kPa (5.93 mmHg) (at 20°C)
Vapor Density	The highest known value is 4.6 (Air = 1) (2-Propanol, 1-methoxy, acetate). Weighted average: 3.93 (Air = 1)
Volatility	Not available.
Odor Threshold	The lowest known value is 0.02 ppm (2-Heptanone) Weighted average: 0.16 ppm
Water/Oil Dist. Coeff.	The product is insoluble in water and octanol.
Ionicity (in Water)	Not available.
Dispersion Properties	Partially dispersed in methanol, diethyl ether. Is not dispersed in cold water, hot water. See solubility in methanol, diethyl ether, acetone.
Solubility	Easily soluble in acetone. Soluble in methanol, diethyl ether. Insoluble in cold water, hot water, n-octanol.

Section 4. Fire and Explosion Hazard

The Product is:	Flammable.
Fire Hazards in Presence of Various Substances	Highly flammable in presence of open flames, sparks and static discharge.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray or fog. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	Vapor may travel considerable distance to source of ignition and flash back. When heated to decomposition it emits acrid smoke and fumes. (Acetic acid, 2-methylpropyl ester)
Flash Points	The lowest known value is Closed cup: 16°C (60.8°F). (Tag Closed Cup). Open cup: 26°C (78.8°F). (Tagliabue). (2-Pentanone, 4-methyl-)
Flammable Limits	The greatest known range is LOWER: 1.3% UPPER: 13.1% (2-Propanol, 1-methoxy, acetate)
Auto-Ignition Temperature	The lowest known value is 393°C (739.4°F) (2-Heptanone).
Products of Combustion	These products are carbon oxides (CO, CO ₂).
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Highly explosive in presence of open flames, sparks and static discharge.
Special Remarks on Explosion Hazards	Not available.

Section 5. Reactivity Data

Stability	The product is stable.
Decomposition products	Not available.
Conditions of Instability	Not available.
Incompatibility with various substances	Slightly reactive to reactive with oxidizing agents, acids, alkalis.
Corrosivity	Not available.
Special Remarks on Reactivity	Incompatible with hydrogen fluoride. (Silica gel, pptd., cryst.-free)
Special Remarks on Corrosivity	Not available.

Section 6. Toxicological Properties

Routes of Entry	Dermal contact. Eye contact. Inhalation. Ingestion.
Toxicity to Animals	Acute oral toxicity (LD50): 730 mg/kg [Mouse]. (2-Heptanone). Acute dermal toxicity (LD50): 10220 mg/kg [Rabbit]. (2-Heptanone). Acute toxicity of the vapor (LC50): 3500 ppm 4 hour(s) [Rat]. (Acetic acid, 2-methylpropyl ester).
Effects of Acute Exposure	Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.
Chronic Effects on Humans	CARCINOGENIC EFFECTS: Classified 4 (Probably not for human.) by IARC [Silica gel, pptd., cryst.-free]. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to kidneys, lungs, liver. Repeated or prolonged exposure to the substance can produce target organs damage.
Special Remarks on Toxicity to Animals	Not available.
Special Remarks on Chronic Effects on Humans	Not available.
Special Remarks on Other Toxic Effects on Humans	Material is irritating to mucous membranes and upper respiratory tract. (Acetic acid, 2-methylpropyl ester)
Exposure Limits	Not available.

Section 7. Preventive Measures

Personal Protection	Splash goggles. Lab coat. Vapor respirator. Be sure to use an approved/certified respirator or equivalent. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Vapor respirator. Boots. Chemical resistant gloves, such as Norfoil should be used when handling this product. Please consult a Glove Manufacturer for alternate choices. A self-contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal.
Large Spill	Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. Do not get water inside container. Do not touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.
Waste Disposal	Waste must be disposed of in accordance with federal, state and local environmental control regulations.
Precautions	Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/ vapor/spray. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.
Storage	Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).
TDG Classification	3
PIN	1263 PAINT PG: II
Special Provisions for Transport	
Federal and State Regulations	New York release reporting list: Acetic Acid, Ethyl Ester Rhode Island RTK hazardous substances: Acetic Acid, Ethyl Ester Pennsylvania RTK: 2-Heptanone; Acetic Acid, Ethyl Ester; Acetic acid, 2-methylpropyl ester; Silica gel, pptd., cryst.-free Florida: 2-Heptanone; Acetic Acid, Ethyl Ester Minnesota: 2-Heptanone; Acetic Acid, Ethyl Ester; Silica gel, pptd., cryst.-free Massachusetts RTK: 2-Heptanone; Acetic Acid, Ethyl Ester; Acetic acid, 2-methylpropyl ester; Silica gel, pptd., cryst.-free New Jersey: 2-Heptanone; Acetic Acid, Ethyl Ester; Acetic acid, 2-methylpropyl ester TSCA 8(b) inventory: 2-Heptanone; Acetic Acid, Ethyl Ester; Acetic acid, 2-methylpropyl ester TSCA 5(e) substance consent order: Acetic Acid, Ethyl Ester

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TSCA 12(b) annual export notification: Acetic Acid, Ethyl Ester
 SARA 311/312 MSDS distribution - chemical inventory - hazard identification: Acetic Acid, Ethyl Ester:
 Fire Hazard, Immediate (Acute) Health Hazard; Acetic acid, 2-methylpropyl ester: Fire Hazard,
 Immediate (Acute) Health Hazard
 SARA 313 toxic chemical notification and release reporting: 2-Pentanone, 4-methyl- 6.7755%
 CERCLA: Hazardous substances.: 2-Pentanone, 4-methyl-; Acetic Acid, Ethyl Ester; Acetic acid,
 2-methylpropyl ester;

Other Regulations

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

WHMIS (Canada) **Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).**
Class D-2A: Material causing other toxic effects (VERY TOXIC).
Class D-2B: Material causing other toxic effects (TOXIC).

HCS (U.S.A.) Class: Flammable liquid having a flash point lower than 37.8°C (100°F).
 Class: Target organ effects.

Hazardous Material Information System (U.S.A.)

Health Hazard	* 2
Fire Hazard	3
Reactivity	0
Personal Protection	H

National Fire Protection Association (U.S.A.)

Health	2
Fire Hazard	3
Reactivity	0
Specific Hazard	

Section 8. First Aid Measures**Eye Contact**

Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

Skin Contact

In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.

Hazardous Skin Contact

Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.

Inhalation

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Hazardous Inhalation

Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. **WARNING:** It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Seek medical attention.

Ingestion

Do not induce vomiting. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.

Hazardous Ingestion

Not available.

Section 9. Preparation Information**References**

-Manufacturers Material Safety Data Sheets.

Other Special Considerations

Not available.

Related Information

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by CPR.

Preparation Information

Validated by C.M. Kelly on 11/8/2002.

Verified by C.M. Kelly.

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