

# Material Safety Data Sheet

## Section 1 – Product Identification and Uses

PRODUCT IDENTIFIER <i>Museum Odourless solvent</i>		PRODUCT IDENTIFICATION NUMBER (PIN)	
PRODUCT USE <i>Used for thinning oil colours and varnishes and for cleaning brushes.</i>			
MANUFACTURER'S NAME <i>Demco Encouleurs Inc.</i>		SUPPLIER'S NAME <i>Demco Encouleurs Inc.</i>	
STREET ADDRESS <i>3417 1 ere rue</i>		STREET ADDRESS <i>3417 1 ere rue</i>	
CITY <i>St.Hubert</i>	PROVINCE <i>Québec</i>	CITY <i>St.Hubert</i>	PROVINCE <i>Québec</i>
POSTAL CODE <i>J3Y 8Y6</i>	EMERGENCY TELEPHONE NO <i>(450) 443-8455</i>	POSTAL CODE <i>J3Y 8Y6</i>	EMERGENCY TELEPHONE NO <i>(450) 443-8455</i>

## Section 2 – Hazardous Ingredients

HAZARDOUS INGREDIENTS	% by wt.	CAS NUMBER	LD <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES AND ROUTE)	LC <sub>50</sub> OF INGREDIENT (SPECIFY SPECIES)
<i>Odourless mineral spirits</i>	<i>100</i>	<i>64741-65-7</i>	<i>&gt;8000mg/kg RAT ORAL</i>	<i>&gt;5900 mg/M<sup>3</sup></i>

## Section 3 – Physical Data

PHYSICAL STATE <i>Liquid</i>	ODOUR AND APPEARANCE <i>Light hydrocarbon, colourless</i>		ODOUR THRESHOLD (PPM) <i>N/A</i>	
VAPOUR PRESSURE (mm Hg @ °C) <i>&gt;7.0 @ 38</i>	VAPOUR DENSITY (AIR=1) <i>N/A</i>	EVAPORATION RATE (n-butyl acetate=1) <i>&gt;0.10</i>	BOILING POINT [C] <i>171 - 205 °C (339.8-401°F)</i>	FREEZING POINT [C] <i>N/A</i>
PH <i>N/A</i>	SPECIFIC GRAVITY <i>0.761</i>	COEFF WATER/OIL DIST <i>N/A</i>		

## Section 4 – Fire and Explosion Data

FLAMMABILITY YES x NO • IF YES, UNDER WHAT CONDITIONS <i>Highly flammable in presence of open flames and sparks, of shocks or of heat.</i>		
MEANS OF EXTINCTION SMALL FIRES: <i>Use dry chemicals, CO<sub>2</sub>, alcohol foam or water spray.</i> LARGE FIRES: <i>Use alcohol foam, water spray or fog.</i>		
FLASHPOINT [C] AND METHOD <i>43 °C (109.4 °F) Tagliabue Closed Cup</i>	UPPER FLAMMABLE LIMIT (% BY VOLUME) <i>6</i>	LOWER FLAMMABLE LIMIT (% BY VOLUME) <i>1</i>
AUTOIGNITION TEMPERATURE [C] <i>N/A</i>	HAZARDOUS COMBUSTION PRODUCTS <i>N/A</i>	
EXPLOSION DATA	SENSITIVITY TO IMPACT <i>Highly explosive</i>	SENSITIVITY TO STATIC DISCHARGE <i>Highly explosive</i>

### Special Fire Fighting Procedures

**CAUTION: COMBUSTABLE.** Do not enter confined fire space without adequate protective clothing and an approved positive pressure self contained breathing apparatus. Exclude air. Product will float and can be re-ignited on surface of water. Containers exposed to intense heat from fires should be cooled with water to prevent vapour pressure build-up which could result in container rupture. Container areas exposed to direct flame contact should be cooled with large quantities of water as needed to prevent weakening of container structure.

## Section 5 – Reactivity Data

CHEMICAL STABILITY YES x NO <input type="checkbox"/> IF NO UNDER WHICH CONDITIONS?
INCOMPATIBILITY WITH OTHER SUBSTANCES YES x NO <input type="checkbox"/> IF SO, WHICH ONES? <i>Highly reactive with oxidizing agents.</i>
REACTIVITY, AND UNDER WHAT CONDITIONS <i>Avoid excessive heat, open flames and all ignition sources.</i>
HAZARDOUS COMBUSTION/DECOMPOSITION PRODUCTS <i>Vapours form a flammable/explosive mixture with air between upper and lower flammable limits. Carbon monoxide and carbon dioxide are produced on combustion.</i>

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## Section 6 – Toxicological Properties

<b>ROUTE OF ENTRY</b>			
<b>SKIN CONTACT</b> x	<b>SKIN ABSORPTION</b> □	<b>EYE CONTACT</b> x	<b>INHALATION</b> x <b>INGESTION</b> x
<b>EFFECTS OF ACUTE EXPOSURE TO PRODUCT</b>			
<i>Vapours may be irritating to the eyes, mucous membranes, and respiratory tract and may produce symptoms of headache and nausea in poorly ventilated areas.</i>			
<b>EFFECTS OF CHRONIC EXPOSURE TO PRODUCT</b>			
<i>Prolonged or repeated skin contact can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product.</i>			
<b>EXPOSURE LIMITS</b> N/A	<b>IRRITANCY OF PRODUCT</b> N/A	<b>SENSITIZATION TO PRODUCT</b> N/A	<b>CARCINOGENICITY</b> N/A
<b>TERATOGENICITY</b> N/A	<b>REPRODUCTIVE TOXICITY</b> N/A	<b>MUTAGENICITY</b> N/A	<b>SYNERGISTIC PRODUCTS</b> N/A

## Section 7 – Preventive Measures

<b>PERSONAL PROTECTIVE EQUIPMENT</b>		
<b>GLOVES (SPECIFY)</b> <i>Impervious gloves (vitron, nitrile) should be worn at all times when handling this material.</i>	<b>RESPIRATORY PROTECTION (SPECIFY)</b> <i>If exposure exceeds occupational exposure limits, wear a NIOSH APPROVED respiratory apparatus. Use either an atmosphere supplying respirator or an air purifying respirator for organic vapours. Proper equipment for high concentrations includes an atmosphere supplied, positive pressure demand, self contained or airline breathing apparatus.</i>	<b>EYE PROTECTION(SPECIFY)</b> <i>Chemical safety goggles and/or full face shield to protect eyes and face, if product is handled such that it could be splashed into eyes. Provide an eyewash station in the area.</i>
<b>OTHER PROTECTIVE CLOTHING (SPECIFY)</b> <i>In confined spaces or where the risk of skin exposure is much higher, impervious clothing should be worn. Safety showers should be available for emergency use.</i>		
<b>ENGINEERING CONTROLS (SPECIFY, EG VENTILATION, ENCLOSED PROCESS)</b> <i>Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the workstation location.</i>		
<b>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</b> <i>Issue warning "COMBUSTIBLE". Eliminate all ignition sources. Handling equipment must be grounded. Isolate hazard area and restrict access. Try to work of spill. Avoid direct contact with material. Wear appropriate breathing apparatus (if applicable) and protective clothing. Stop leak only if safe to do so. Dike and contain land spills; contain water spills by booming. Use water fog to knock down vapours; contain runoff. For large spills, remove by mechanical means and place in containers. Absorb residue or small spills with absorbent material and remove to non leaking containers for disposal. Recommended materials: clay or sand. Flush with water to remove trace residue. Dispose of recovered material as noted below. Notify appropriate environmental agency.</i>		
<b>WASTE DISPOSAL METHOD</b> <i>Waste management priorities (depending on volumes and concentration of waste) are 1. Recycle (reprocess), 2. Energy recovery (cement kilns, thermal power generation), 3. Incineration, 4. Disposal at a licensed waste disposal facility. Do not attempt to combust waste on site. Incinerate at a licensed waste disposal site with approval of environmental authority.</i>		
<b>PRECAUTIONS TO BE TAKEN FOR SAFE HANDLING</b> <i>Eliminate all ignition sources. Avoid prolonged exposure to vapours. Wear suitable gloves and eye protection. Empty containers are hazardous; may contain flammable/explosive liquid residue or vapours. Keep away from sparks and open flames. Bond and ground transfer containers and equipment to avoid static accumulation.</i>		
<b>SAFE STORAGE REQUIREMENTS</b> <b>COMBUSTIBLE.</b> <i>Store in a cool, dry, well-ventilated area, away from heat and ignition sources. Hot surfaces may be sufficient to ignite liquid even in the absence of sparks or flames. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapours are gone. Vapours may accumulate and travel to distant ignition sources and flashback. Use explosion proof ventilation to prevent vapour accumulation. Empty containers may contain hazardous product residues. Fixed equipment, as well as transfer containers and equipment should be grounded to prevent accumulation of static charges. Do not cut, drill, grind, weld or perform similar operations on or near containers. Keep container tightly closed. Avoid breathing vapours and prolonged or repeated contact with skin. Air dry contaminated clothing in a well ventilated area before laundering. Launder contaminated clothing prior to reuse. Use good personal hygiene.</i>		
<b>SPECIAL SHIPPING INFORMATION</b>  <b>TDG Classification:</b> Class 3. Flammable  <b>WHMIS Classification:</b> B-3  <b>Hazard Statements:</b> Combustible liquid.		
<b>SPECIAL PROVISIONS FOR TRANSPORT:</b> <i>Not regulated under the Transportation of Dangerous Goods Act when transported by road or rail in packages or containers of 454 litres or less (waste excluded).</i>		
<b>Supplemental Health Information:</b> <i>Prolonged and repeated contact with skin can cause defatting and drying of the skin resulting in skin irritation and dermatitis. Vapours are moderately irritating to the eyes and respiratory passages. Prolonged exposure to high vapour concentrations can cause headaches, dizziness, nausea and central nervous system depression. Pre-existing eye, skin and respiratory disorders may be aggravated by</i>		

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## Section 8 – First Aid Measures

### SPECIFIC MEASURES:

**Inhalation:** Remove victim from further exposure and restore breathing, if required. Obtain medical attention.

**Splash (eyes):** Flush eyes immediately with large amounts of water for at least 15 minutes while holding eyelids open. Take to a physician for medical treatment as soon as possible after first aid has been initiated and completed.

**Splash (skin):** Start rinsing and remove contaminated clothing while rinsing. Wash contaminated skin with mild soap and water. If irritation occurs and persists, obtain medical attention.

**Ingestion:** Do not induce vomiting. Guard against aspiration into lungs by having the individual turn on to their left side. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Do not give anything by mouth to an unconscious person. Obtain medical attention immediately.

**Notes to Physician:** The main hazard following accidental ingestion is aspiration of the liquid into the lungs producing chemical pneumonitis. If more than 2.0 ml/kg has been ingested, vomiting should be induced with supervision. If symptoms such as loss of gag reflex, convulsions or unconsciousness occur before vomiting, gastric lavage with a cuffed endotracheal tube should be considered.

### Toxicological Information:

Rational for WHMIS toxicity classification: Exposure may occur via inhalation, ingestion or through skin contact. This product is not a primary skin irritant after exposure of short duration.

## Section 9 – Preparation Date of MSDS

PREPARED BY (GROUP DEPARTMENT, ETC),  
Laboratory

PHONE NUMBER  
(450) 443-8455

DATE  
May 13, 2016

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