



SAFETY DATA SHEET (SDS)

PAINT RESTORER

SECTION 1: IDENTIFICATION

Product Name: Paint Restorer
Product Use: All-purpose cleanser & polish
Product Code: S-200R

Supplier:

Sym-Tech Inc.
P.O. Box 430, Stn A
Scarborough ON
M1K 5C3
1-800-363-5796

Emergency Tel.

1-613-996-6666 CANUTEC for 24HR emergency information

SECTION 2: HAZARD(s) IDENTIFICATION

Dangerous Goods – WHMIS: Class B, Div. 3

OSHA HAZARDS: Flammable liquid, Target Organ Effect, Irritant

Target Organs: Nerves, Kidney, Cardiovascular System, Gastrointestinal tract, Liver.

GHS HAZARD CLASSIFICATION:

Flammable Liquids:	Category 3
Acute Toxicity-Inhalation:	Category 4 (vapours)
Acute Toxicity-Oral	Category 4
Serious Eye Damage/Eye Irritation	Category 2b
Specific Target Organ Toxicity-Single Exposure	Category 3 (Central nervous system)

LABEL ELEMENTS:

Signal Word:

Danger

Hazard Statements:

H227 - Combustible liquid and vapour

H304 - May be fatal if swallowed and enters airways

H319 - Causes serious eye irritation

H302 - Harmful if swallowed

H373 - May cause damage to organs through prolonged or repeated exposure

Symbol**GHS Precautionary Statements:**

P210:	Keep away from heat/sparks /open flames / hot surfaces
P261:	Avoid breathing dust/fumes/gas/mist/vapours/spray
P280:	Wear protective gloves/protective clothing/eye protection/face protection
P264:	Wash skin thoroughly after handling
P405:	Store locked up
P233:	Keep container tightly closed
P202:	Do not handle until all safety precautions have been read and understood
P262:	Do not get in eyes, on skin, or on clothing
P264:	Wash thoroughly after handling

Response:

P305 + P351 + P338 – If In Eyes:	Rinse cautiously with water for several minutes: Remove contact lenses if present and easy to do so. Continue rinsing.
P303 + 361 + 353 – If on Skin or hair:	Remove/take off immediately all contaminated clothing. Rinse skin with water and shower
P301 + P330 + P331 + P310 – If Swallowed	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTRE or doctor/physician
P70 + P378 – In Case of Fire:	Use dry chemical to extinguish

Potential Health Effects:

Eyes:	Causes serious eye irritation
Inhalation:	May be harmful if inhaled. Causes respiratory tract infection. Vapours may cause drowsiness and dizziness. Can cause irritation of mucous membranes and central nervous system depression. Aspiration into lungs may cause pneumonia or death.
Skin:	May be harmful if absorbed through skin. May cause skin irritation.
Ingestion:	May be harmful if swallowed

SECTION 3: COMPOSITION/INFORMATION ON HAZARDOUS INGREDIENTS

HAZARDOUS INGREDIENTS	APPROXIMATE CONCENTRATION%	C.A.S., N.A. OR U.N. NUMBERS	LD50 (SPECIFY SPECIES & ROUTE)	LC50 (SPECIFY SPECIES & ROUTE)
Odourless Mineral Spirits	15-25	64742-48-9	Oral(Rat): >5,000mg/kg Dermal(Rabbit): >2,000mg/kg	Inhalation:Rat- >7630mg/m3
Diethylene Imidoxide Oleate	1-3	1095-66-5	Oral(Rat): >5,000mg/kg Dermal(Rabbit): >2,000mg/kg	
Dimethyl Siloxane Trimethylsiloxy-terminated	3-7	68855-54-9	Oral(Rat): >2,000mg/kg Dermal(Rabbit): >2,000mg/kg	
Hydroxyethyl cellulose	<1	9004-62-0	Oral(Rat): >2,000mg/kg Dermal(Rabbit): >2,000mg/kg	
Water, inert and other non-Hazardous ingredients	balance			

SECTION 4: FIRST-AID MEASURES

Inhalation:	For excessive inhalation remove casualty to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.
Skin:	Immediately hold eyelids open and flush with water for at least 15 minutes. Seek medical attention.
Eyes:	Flush eyes with water for several minutes. Remove contact lenses if present and easy to do, and continue rinsing. If eye irritation occurs, get medical attention.
Ingestion:	May be harmful if swallowed. Do not induce vomiting. Seek immediate medical attention. Never give anything by mouth to an unconscious or convulsing person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. Danger of aspiration of vomit into the lungs can cause serious damage and chemical pneumonitis. Take a copy of the label and/or SDS with the victim to the health professional.

Notes to Physician:

Treatment based on sound judgement of physician and individual reaction of patient.

Eye contact: Causes serious eye irritation. Symptoms may include stinging and tearing

Inhalation: Harmful if inhaled in excessive amounts. Can cause central nervous system depression. May cause drowsiness, dizziness, headache, nausea, breathing difficulties and other symptoms of central nervous system depression

Skin contact: May cause central nervous system depression. May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach. Can cause nausea, vomiting and diarrhea.

ASPIRATION HAZARD: Aspiration into the lungs during swallowing or subsequent vomiting may cause chemical pneumonitis, which can be fatal.

SECTION 5: FIRE-FIGHTING MEASURES

Flash Point:	51°C (124°F) for Odourless Mineral Spirits
Flash Point Method:	Closed Cup or Tag
Autoignition Temperature (°C):	349°C (660.2°F) for Odourless Mineral Spirits
Upper Flammable Limit (% VOL.):	9.3%
Lower Flammable Limit (% VOL.):	1.2%
Hazardous Combustion Products:	Carbon Dioxide (CO ₂), Carbon Monoxide (CO)
Unusual Fire/Explosion Hazards:	Flammable liquid and vapors Category 3). Explosive in presence of open flames, sparks or heat. Containers can rupture and explode under fire conditions due to pressure and vapour buildup. Heated vapours may form explosive mixture with air. Vapours may travel across the ground and reach an ignition source.
Sensitivity to Mechanical Impact:	Yes
Sensitivity to Static Discharge:	Yes
Extinguishing Media:	Water fog, Alcohol-resistant foam, dry powder or Carbon Dioxide. Use media appropriate for surrounding fire. Do not use a solid water stream as it may scatter and spread fire.
Special Fire Fighting Procedures:	Fire Fighters should wear full protective clothing, including self-contained breathing equipment. Vapour may travel considerable distance to source of ignition and flash back. Cool exposed containers with water spray.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Leak or spill procedures:

Stop leak and ventilate the area. Avoid breathing mist or vapours. Eliminate source of ignition. Use only non-sparking tools and equipment in the clean-up process. Move containers from spill area if safe to do so. Absorb spill with vermiculite or other non-combustible absorbent material. Place in a suitable container (with lid tightly covered) for disposal. Solvent soaked materials may spontaneously combust.

For large spills, dike spill, recover free liquid, collect with an electrically protected vacuum cleaner or by wet-brushing. Use absorbent material to dry area. Put all material into appropriate waste containers. Rinse with water. Avoid contaminating ground water.

Environmental Precautionary:

Prevent entry into sewers or streams. Any release to the environment may be subject to federal or local reporting requirements.

Personal Precautionary Measures:

Wear protective clothing during cleanup. See section 8 for recommendations on the use of personal protective equipment. Avoid breathing vapours, mist or gas. Restrict access to area until completion of clean-up.

SECTION 7: HANDLING AND STORAGE

Storage:

Keep container tightly closed. Store in cool area. Keep in the original container or an approved alternative. Store and use away from heat, sparks, open flame or any other ignition source. Store containers carefully and prevent leakage. Store separate from oxidizing materials.

Handling:

Avoid contact with eyes. Avoid ingestion. Do not breathe vapours. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Wear personal protective equipment appropriate to task. Use good industrial hygiene practices in handling this product. Keep container closed when not in use. Take measures to prevent the buildup of electrostatic charge. Use only non-sparking tools. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Eating, drinking and smoking should be prohibited in areas where this product is handled, stored and processed.

CAUTION: Cloth or paper soaked in this product may undergo spontaneous ignition. Never discard wiping cloths soaked in this product carelessly. Do not put wet cloth or paper in a garbage bag or garbage container. Dry carefully before discarding.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation:	For outdoors use, no critical hazards. For indoor use, good ventilation is recommended. Use only with a cross ventilation of moving fresh air across the work area. If strong odour is noticed or you experience slight dizziness, headache, nausea or eye-watering – STOP, ventilation is inadequate. Leave area immediately. When the following figures listed are exceeded provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapours below their respective. Occupational exposure limits For Odourless Mineral Spirits (64742-48-9): NIOSH TWA: 500 ppm (2,000 mg/m ³)
Protective Equipment:	Ensure that eyewash stations are proximal to the work-station location. The selection of personal protective equipment will vary depending on the condition of use.
Eye/Type:	Splash goggles, safety glasses or face shields are recommended to safeguard against potential eye contact, irritation or injury.
Respiratory/Type:	Approved/certified vapour respirator. Any chemical cartridge respirator with organic vapour cartridges is recommended.
Glove/Type:	Nitrile, Butyl impervious gloves
Footwear/Type:	Boots
Body/Type:	Protective clothing is required. Use impervious clothing (apron, coveralls). The selection of personal protective equipment will vary depending on the conditions of use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance-Physical State:	Viscous cream type light beige liquid
Odour:	Very Mild Petroleum
Odour Threshold (PPM):	Not available
PH:	9.0 ± 0.05 concentrate, 8.2 ± 0.52% solution in water
Melting Point (°C):	See freezing point
Boiling Point (°C):	100 °C
Freezing Point (°C):	<0°C
Evaporation Rate:	As water
Flammability:	Product contains 15-25% Odourless Mineral Spirits which is flammable liquid Category 3
Flash Point (°C):	51°C (124°F) for odorless mineral spirits
Auto Ignition Temperature:	349°C (660.2°F) for odorless mineral spirits
Decomposition Temperature:	Not available
Vapour Density:	(air=1) >5.4
Solubility:	Soluble in water
Viscosity:	Viscous liquid
% Volatile by Volume:	85±1%
Specific Gravity	1.01± 0.02 gm/cm ³

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Reactivity:	Not self-reactive, self-heating.
Possibility of Hazardous Reactions:	Under normal conditions of storage and use, hazardous reaction will not occur.
Conditions to Avoid:	Keep away from heat, flame and sparks. Avoid incompatible materials. Do not allow vapours to accumulate in low confined areas.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Decomposition Products:	Carbon Dioxide (CO ₂), Carbon Monoxide (CO).

SECTION 11: TOXICOLOGICAL INFORMATION

Toxic Effects on Animals:	<p>For Odourless Mineral Spirits (64742-48-9): Acute oral toxicity LD50(Rat): >5,000mg/kg. Acute Dermal Toxicity LD50 (Rabbit): >2,000mg/kg.</p> <p>For Diethylene Imidoxide Oleate (1095-66-5): Acute Oral Toxicity LD50 (Rat): >5,000mg/kg. Acute Dermal Toxicity LD50 (Rabbit):>2,000mg/kg.</p> <p>For Dimethyl Siloxane Trimethylsiloxyl-terminated (63148—62-9): Acute Oral Toxicity LD50 (Rat):>15,400mg/kg. Acute Dermal Toxicity LD50 (Rabbit):>2,000mg/kg.</p> <p>For Diatomaceous earth, uncalcined (68855-54-9): Acute Oral Toxicity LD50 (Rat):>2,000mg/kg. Acute Dermal Toxicity LD50 (Rabbit):>2,000mg/kg.</p> <p>For Hydroxyethyl cellulose (9004-62-0): Acute Oral Toxicity LD50 (Rat):2,000mg/kg. Acute Dermal Toxicity LD50 (Rabbit):>2,000mg/kg.</p> <p>For the mix: Estimated Acute Toxicity is >5,000mg/kg. Therefore product is classified as non-toxic. Acute Dermal Toxicity is also estimated to be >5,000mg/kg, therefore the product is not toxic.</p>
Toxic Effects on Humans:	Hazardous in case of ingestion or inhalation. Slightly hazardous in case of skin contact. Liquid contact with eyes will cause stinging redness, swelling and tearing. If swallowed this material may irritate the mucous membranes of the mouth throat and esophagus. May cause gastrointestinal irritation, nausea, vomiting and diarrhea. Aspiration of this material into the lungs may result in damage or death.
Chronis Effects on Humans:	Reports have associated repeated and prolonged overexposure to solvents with neurological and other physiological damage. May cause anemia, bone marrow, liver damage. Repeated or prolonged skin contact may cause redness, irritation and scaling of the skin.
Carcinogenicity:	No evidence.
Teratogenicity:	No evidence
Mutagenicity:	No evidence
Reproductive Effects:	Reproductive Toxicity-Category 2. Suspected of damaging the unborn child.

SECTION 12: ECOLOGICAL INFORMATION

Eco Toxicity:

Product expected to be toxic to aquatic organisms. May cause long-term adverse effects in the aquatic environment. MOBILITY: Mostly volatile material and will partition rapidly to air. Not expected to partition to sediment and wastewater solids.

For Odourless Mineral Spirits (64742-48-9): Acute Toxicity to fish LC50, Fathead minnow (*Pimephales promelas*):>8.2mg/L/96h. LC50, Rainbow trout (*Oncorhynchus mykiss*):10mg/L/96h. Acute Toxicity to aquatic invertebrates EC50, *Daphnia magna* (Water flea): 4.5mg/L/48h. Acute Toxicity to Algae/aquatic plants EC50, Green algae (*Selenastrum capricornutum*):3.1mg/L/96h. Not inherently Biodegradable.

For Diethylene Imidoxide Oleate (1095-66-5): No specific data was located. The product is not classified as environmentally hazardous. However, this does not exclude the possibility that a large or frequent spills can have a harmful or damaging effect on the environment. Ingredient readily BIODEGRADABLE.

For Dimethyl Siloxane trimethylsiloxy-terminated (63148-62-9): Material is practically non-toxic to Aquatic organisms. Acute Toxicity to aquatic invertebrates, EC50, *Daphnia magna* (Water flea):.200mg/L/48h.

For Diatomaceous earth, uncalcined (68855-54-9): No specific data was found. Product s environmentally inert and unlikely to be harmful.

For Hydroxyethyl cellulose (9004-62-0): Acute Toxicity to fish LC50, *Danio rerio*:.500mg/L/96h. Product will slowly biodegrade.

Biodegradability:

Not readily biodegradable

Products of Degradation:

No information found

SECTION 13: DISPOSAL CONSIDERATIONS

Waste Disposal:

Disposal of all wastes must be done in accordance with municipal, provincial and federal regulations.

Information on Safe Handling for Disposal Including Any Contaminated Packaging:

Suitable waste facility.

SECTION 14: TRANSPORT INFORMATION

UN Number:	1868
UN Proper shipping name:	Petroleum Distillates, N.O.S. (Flash Point: 51°C (124°F)
Transport Hazard Class:	Class 3: Flammable Liquid
Packaging Group:	PK: III
Environmental Hazards:	Marine pollutant
Transport in Bulk, if applicable:	Not applicable
Special Provisions:	Guide to Canadian transportation. Emergency Response Guidebook (ERG:#128)

SECTION 15: REGULATORY INFORMATION

Safety Health & Environmental Regulations Specific to the Product	U.S. TSCA inventory Status: All components of this product are either on the Toxic Substance Control Act (TSCA) INVENTORY List or exempt. Canadian DSL Inventory Status: All components of this product are either on the Domestic Substances List (DSL) or the Non-Domestic Substances List (NDSL) or exempt.
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SECTION 16: PREPARATION AND OTHER INFORMATION

PREPARED BY:	WHMIS Committee
PHONE NUMBER:	1-800-363-5796
EMERGENCY:	This SDS is Registered with CANUTEC
EMERGENCY NUMBER:	For 24hr Information call 613-996-6666
PREPARATION DATE:	January 2021
EXPIRES:	January 2023

We believe the statements, technical information and recommendations contained herein are reliable, but they are given without warranty or guarantee of any kind, express or implied and we assume no responsibility for any loss, damage, or expense, direct or consequential, arising out of their use. Customers / users of this product must comply with all health and safety laws, regulations.