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Canadian Workplace Hazardous Materials Information System Material Safety Data Sheet

I. PRODUCT IDENTIFICATION

Product Name: PC NOS OCTANE BOOSTER STREET FORMULA 355 ML
Item No: 12022
Product Type: Fuel additive

II. COMPOSITION/INFORMATION ON INGREDIENTS

Component	Weight%	LD50/oral/rat	LC50/inhalation/rat	ACGIH; TLV-TWA
KEROSINE (PETROLEUM) 8008-20-6	>60	>5000 mg/kg	>5.28 mg/L (4H)	200 mg/m ³
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT 64742-47-8	<2	>5 g/kg	>5.2 mg/L (4H)	
TRICARBONYL(METHYLCYLCOPE NTADIENYL)MANGANESE 12108-13-3	0.1-1.0	8 mg/kg	76 mg/m ³ /4H	0.2 mg/m ³

III. PHYSICAL DATA

Physical State/Appearance: Amber liquid
Odour & Odour Threshold: Solvent odour
Specific Gravity: 0.82
Evaporation Rate: <1 (butyl acetate = 1)
Vapour Pressure: Not determined
Vapour Density: >1 (air =1)
Freezing Point: Not determined
pH: Does not apply
Octanol/Water Coefficient: Not determined
Boiling Point: 100 - 305°C

IV. FIRE AND EXPLOSIVE DATA

Recommended Extinguishing Media: Carbon Dioxide, Dry Chemicals, Foam.
Hazardous Combustion Products: Oxides of carbon, Aldehydes
Sensitivity to Static Discharge: Sensitivity to static discharge is not expected
Conditions of Flammability: Containers may explode if heated. During a fire, irritating and toxic gases may be generated during combustion or decomposition.
Flash Point/Range: 43°C. Method: PMCC
Autoignition Temperature: Not determined
Upper Explosive Limit: Not determined
Lower Explosive Limit: Not determined

V. REACTIVITY DATA

Conditions Causing Chemical Instability: Stable under normal conditions of use
Materials to avoid: Strong oxidizers and bases, Amines, Acids
Conditions of Reactivity: High temperatures.
Hazardous Decomposition Products: Carbon oxides, Aldehydes, Organic acid vapors

VI. HAZARDS IDENTIFICATION

Primary Routes of Exposure: Eye and skin contact, ingestion, inhalation
Existing Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory disorders

Toxicity Information: (See Effects of Acute Exposure to Product)

Effects of Acute Exposure: Harmful if swallowed. Excessive exposure may cause headache, nausea, dizziness and in extreme cases, unconsciousness, respiratory depression. Eye contact: Direct contact causes eye irritation. Frequent or prolonged contact may dry and irritate skin and cause a rash. Inhaling may cause mild irritation to the nose, throat and respiratory tract.

VI. HAZARDS IDENTIFICATION

Effects of Chronic Exposure: Aspiration can be a hazard if this material is swallowed. Long term overexposure to solvents have been associated with lung, liver and kidney damage. Reports have associated repeated and prolonged overexposure to solvents with permanent brain damage and nervous system damage.

Irritancy of Product: Headache, nausea, dizziness, light headedness, staggering gait, giddiness. Overexposure may cause eye and skin redness.

Sensitization to Product: (See Effects of Acute Exposure to Product)

Carcinogenicity: (See Effects of Chronic Exposure to Product)

Reproductive Toxicity: (See Effects of Chronic Exposure to Product)

Teratogenicity: (See Effects of Chronic Exposure to Product)

Mutagenicity: (See Effects of Chronic Exposure to Product)

Toxicologically Synergistic Products: None known

WHMIS Hazard Class: B3 COMBUSTIBLE LIQUIDS, D2A VERY TOXIC MATERIALS, D2B TOXIC MATERIALS

VII. PREVENTATIVE MEASURES

Personal Protection

Eyes: Safety glasses.

Skin: Neoprene or nitrile gloves recommended. Wash contaminated clothing before re-use.

Ventilation: General; local exhaust ventilation as necessary to control any air contaminants to within their exposure limits (or to the lowest feasible levels when limits have not been established) during the use of this product. In case of insufficient ventilation, wear an organic vapor respirator.

Engineering Controls: In case of insufficient ventilation, wear an organic vapor respirator.

Spill Procedures: Eliminate all sources of ignition. Maintain good ventilation. Take up with an inert absorbent. Store in a closed waste container until disposal. Prevent from entering waterways or sewers.

Protection of Man and Environment: Follow Canadian and local regulations for disposal.

Handling Procedures and Equipment: Store away from heat, open flame or other sources of ignition. Use good personal hygiene. Avoid smoking, eating or drinking during use.

Special Handling Information: Avoid prolonged breathing of vapor. Keep away from eyes. Avoid prolonged contact with skin. Do not smoke while using. Wash hands after use.

VIII. FIRST AID MEASURES

Ingestion: Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Inhalation: Move to fresh air in case of accidental inhalation of vapours. Oxygen or artificial respiration if needed. Obtain medical attention.

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.

Eye Contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

IX. SHIPPING INFORMATION

Canadian Transportation of Dangerous Goods

Proper Shipping Name: Petroleum distillates, n.o.s. (May qualify as a Consumer Commodity or Limited Quantity. Refer to TDG regulations)

Hazard Class: Class 3, PGIII

UN/ID No: UN 1268

IATA (Air)

Proper Shipping Name: Consumer Commodity (Not more than 1 liter)

Class or Division: Class 9

UN/ID Number: ID 8000

IMDG (Vessel)

Proper Shipping Name: Petroleum Distillates, n.o.s., Limited Quantity

Hazard Class: Class 3 PGIII

UN Number: UN 1268

X. PREPARATION INFORMATION

Estimated HMIS Classification: HEALTH 2, FLAMMABILITY 2, PHYSICAL HAZARD 0
HMIS is a registered trademark of the National Paint and Coatings Association

Estimated NFPA Rating: HEALTH 2, FLAMMABILITY 2, REACTIVITY 0
(NFPA is a registered trademark of the National Fire Protection Association)

Prepared By: Denise Boyd, Manager-Environmental, Health & Safety

Revision Date: August 19, 2011

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FORMULA 355 ML**

Item No: 12022

X. PREPARATION INFORMATION

Company:

ITW Permatex Canada. 8450 Lawson Rd. Unit 1, Milton, ON L9T 0J8

Revision Number: 2

Telephone No.: 1-800-924-6994