

MATERIAL SAFETY DATA SHEET

Product: HARP VAC 235

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Revision: 1.01

Date: 07/2009

01 - IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

PRODUCT NAME VAC 235

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02 - HAZARDS IDENTIFICATION

Eye: May cause eye irritation
Inhalation: If sprayed or misted may cause chemical pneumonitis
Ingestion: Low toxicity on ingestion, has laxative effect
Skin: Minimally irritating. Prolonged or repeated contact may cause dermatitis

03 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Severely Hydrotreated Paraffinic Oil

CAS: Proprietary

Exposure limits TWA (ppm): 5mg/m3 (oil Mist)

STEL (ppm): NA

CEIL (ppm): NA

% by V/V: 100

Toxicological data on Ingredients: Acute oral toxicity : LD50 > 5000 mg/kg (rat)

04 - FIRST AID MEASURES

Eye: Copious warm water flush – 15 minutes. Physician assessment if eyes inflamed.
Skin: Remove contaminated clothing-Launder or dry clean clothes before reuse. Dispose of leather articles.
Inhalation: Evacuate to a safe area with plenty of fresh air. Allow victim to rest in well ventilated area then seek Medical aid immediately.
Ingestion: DO NOT induce vomiting. Consult a physician.

05 - FIRE-FIGHTING MEASURES

Flammability of Product Low Fire Hazard.

Auto Ignition Temp 235°C (435°F)

Flash Point COC 166°C (330°F)

Flammability Limits Not Applicable

Products to avoid Strong oxidizing agents, including peroxide, chlorine and strong acids

Unusual Hazards Burning fluid may evolve irritating/noxious fumes.

Extinguishing Agents Dry chemical, CO₂ foam, water fog.

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Protective Clothing	Firefighting should use pressure demand NIOSH/MNSA approved self-containing breathing apparatus and full protective gear.
Firefighting Procedures	SMALL FIRE: Use dry chemicals, CO ₂ water spray or foam. SMALL OUT DOOR FIRE: may extinguished with a portable fire extinguisher. LARGE FIRE: Use dry chemicals, CO ₂ water spray or foam. DO NOT use water jet. Respiratory and eye protection required for fire fighting personnel. A self contained breathing apparatus should be used for all indoor fires.

06 - ACCIDENTAL RELEASE MEASURES

Personal Protection:	Wear protective clothing including splash proof goggles, rubber gloves and rubber overshoes. Remove all contaminated clothing promptly.
Procedures:	Floor may be slippery: use care to avoid falling. Contain spill immediately with inert material (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. CAUTION : keep spills and cleaning runoff out of municipal sewers and open bodies of water.

07 - HANDLING AND STORAGE

Avoid contact with eyes, skin and clothing. WASH hands after handling and before eating.

Ensure that containers are properly secured before moving.

Keep container closed and keep away from oxidizing materials.

Store in a cool well ventilated area.

“Empty” containers retain residue (liquid and/or vapour) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION : THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to clean since residue is difficult to remove. “Empty” drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1 and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

08 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Eye:	Safety glasses (ANSI Z87.1) or approved equivalent.
Skin:	For direct contact of more than two hours Viton or Nitrile gloves are needed, otherwise PVC gloves may be used. Wear long sleeve clothing to minimize contact.
Inhalation:	Use in well ventilated area. If mist is being generated and exceeds the TWA/TLV listed below then a respiratory program meeting OSHA 1910.134 and ANSI Z88.2 requirements must be followed.
Engineering Controls:	General ventilation.
Exposure Limits:	TWA 5mg/m ³ : manufacturers recommendation based on ACGIH TLV for oil mist.
Hazardous Decomposition:	Analogous compounds evolve carbon monoxide, carbon dioxide and other unidentified fragments when burned.

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09 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear	Specific Gravity (WATER = 1):	0.875
Physical State:	Liquid	pH (1%):	Not Applicable
Colour:	Colourless to light straw	Volatility:	Non volatile
Odour:	Hydrocarbon	Melting Point (Pour Point):	0°F (-17°C)
Vapour Pressure:	0.0225mm of Hg@ 20C	Solubility in Water:	Insoluble
Vapour Density:	Not Applicable		

10 - STABILITY AND REACTIVITY

Stability:	Stable
Conditions to Avoid:	Excessive heat, formation of oil mist.
Material to Avoid:	Strong oxidants such as liquid chlorine, peroxides, concentrated oxygen, sodium hypochlorite, calcium hypochlorite.
Hazardous Decomposition:	Analogous compounds evolve carbon monoxide, carbon dioxide, and other unidentified fragments when burned. See Section 5.
Hazardous Polymerization:	Will not occur.
Corrosivity:	Not applicable.

11 - TOXICOLOGICAL INFORMATION

Routes of Entry:	Skin contact and inhalation.
Dermal LD 50 – Rabbit:	> 5000 mg / kg
Toxicity to Animals:	Oral LD50 > 5000 mg / kg (rat)
Chronic Effects on Humans:	If sprayed or mist may cause chemical pneumonitis. Prolonged exposure to skin may cause chapping or possible dermatitis.

12 - ECOLOGICAL INFORMATION

Ecotoxicity:	Not Determined.
BOD5 and COD:	Not Determined.
Toxicity of Products of Biodegradation:	Not Determined.

13 - DISPOSAL CONSIDERATIONS

Consult your local or regional authorities. Preferred waste management priorities are (1) recycle or reprocess (2) incineration with energy recovery (3) disposal at licensed waste facility. Ensure that disposal or reprocessing is in compliance with local, state and federal regulations.

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14 - TRANSPORT INFORMATION

This product is non hazardous. The product contains no known carcinogens. No special warning labels are required under OSHA 29 CFR 1910.1200. OSHA hazard warning are not applicable for this product. Therefore no OSHA Warnings would appear on the label. No EPA hazard classification code.

DOT Classification: Not DOT controlled

DOT (Pictograms): None

15 - REGULATORY INFORMATION

DEGREE OF HAZARD	NFPA	HMIS	HAZARD RATINGS
Health	0	0	0 – Insignificant
Fire	1	1	1 – Moderate
Reactivity	0	0	2 – High
Specific Hazards	None		3 – Extreme
Personal Protection Index		a	4 – Extreme

Other Regulations All components of this formulation are listed in the Domestic Substances List (DBL. Canadian) and in the Toxic substance Control Act Inventory (TSCA). The product contains no known carcinogens.

WHMIS (Canada) Not a WHMIS controlled material.

DSCL (EEC) Not controlled under DSCL (Europe)

CERCLA (40 CFR 302.40) Not listed, no reportable quantities.

EPCRA or SARA TITLE III Section 313 Toxic Chemicals Not listed

16 - OTHER INFORMATION

This data sheet was prepared in accordance with Directive 2001/58/EC.

This information contained within this safety data sheet applies only to the Harp International Limited product to which it relates. The information provided is based upon our best knowledge at the time that this safety data sheet was published.

The information is believed to be accurate and is given in all good faith.

When used in other preparations, in formulations or in mixtures, it is necessary to ascertain if the classification of the hazards have changed. The attention of users is drawn to the possibility of creating other hazards when the product is used for purposes other than that for which it is recommended. In such cases a complete reassessment should be made by user.

This safety data sheet should only be used and reproduced in order that the necessary measures may be taken relating to the protection of health and safety at work and relating to the protection of environment.

The reference to the legislative, regulatory and codes of practice documents must not be considered as exhaustive.

It is the responsibility of handlers of the product to pass on the totality of the information contained within this document to any subsequent persons who will come into contact with, handle or use the product in any way.

They should check the adequacy of the information contained in the safety data sheet received before passing it onto their customers.

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