

MATERIAL SAFETY DATA SHEET

HMIS:

Health- 1 Flammability- 4 Reactivity- 0 Pers.
Protection- B

NFPA:

Health- 1 Flammability- 4 Reactivity- 0 Special Hazard-
N

WHMIS: B 5

Section 1: Product and Company Identification

Product: HYDRO FOAM
Duraclean International Inc.
220 Campus Drive
Arlington Heights IL 60004

Synonyms:

Non-Emergency:
US 847-704-7100

24 hr Emergency Spill Information:
Infotrac

International Infotrac 1-353-323-3500

1-800-535-5053

Section 2. Hazards Identification

EMERGENCY OVERVIEW

Appearance/Odor: Liquid under pressurized gas in steel can

Classified as hazardous by the criteria of NOHSC.

WARNING

Flammability : R 12 Extremely flammable. Contains flammable liquids and pressurized gas.

Health Hazards Listed : May be a mild irritant

Ecological Hazards Listed : None known

Potential Health Effects: See section 11 for more information.

Likely Routes of Exposure: Skin, eyes

Eye: Direct exposure can irritate

Skin: Prolonged exposure can irritate

Ingestion: Not expected to be a problem

Inhalation: Not likely to be a problem

Medical Conditions Aggravated By Exposure:

Allergies to fragrances

Target Organs: None known

This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Potential Environmental Effects: (See section 12 for more information.)

None known

Section 3. Composition/Information on Ingredients

Component	CAS#	% by Weight	WHMIS Controlled
Propane	74-98-6	1 - 15	Y
Butane	106-97-8	1-15	Y
Sodium Lauryl Sarcosinate	137-16-6	0.5 - 1.5	N
Poloxyethylene (16) Tall Oil	61791-00-2	1-2	N
Water	7732-18-5	85-95	N

Section 4. First Aid Measures

Eye Contact:	Flush eyes with copious amounts of clean water, holding lids open. If irritation persists, consult a physician.
Skin Contact:	Wash with soap and water.
Inhalation:	Remove to fresh air.
Ingestion:	Give water or milk to drink if conscious.
Note to Physicians:	

Section 5. Fire Fighting Measures

Suitable Extinguishing Media:	Carbon dioxide, dry chemical. Water spray may be used to cool cans to reduce risk of bursting. HAZCHEM CODE 3 [Y]
Unsuitable Extinguishing Media:	None known
Products of Combustion:	Oxides of carbon and nitrogen.
Protection of Firefighters:	Try to keep cans below 50°C

Section 6. Accidental Release Measures

Personal Precautions:	Keep away from skin and eyes
Environmental Precautions:	Keep spray or punctured cans out of surface waters
Methods for Containment:	Not applicable: if cans rupture or are punctured, contents will rapidly evaporate
Methods for Clean-Up:	Gather up scattered cans after any punctured cans have finished discharging. Absorb any discharge on sand, clay or other suitable material or mop up with water.
Other Information:	Do not puncture or incinerate cans.

Section 7. Handling and Storage

HANDLING

Reasonable care. Avoid puncturing cans; keep spray away from skin and eyes.

STORAGE

Keep out of the reach of children. Store in original cartons at temperatures not more than 55°C

Section 8. Exposure Controls/Personal Protection

EXPOSURE GUIDELINES

COMPONENT:	TWA:	LD-50
Propane	TLV 1000 ppm	Simple asphyxiant
Butane	TLV 800 ppm	Simple asphyxiant
Sodium Lauryl Sarcosinate	None established	> 500 mg/kg
Poloxyethylene (16) Tall Oil	None established	15000 mg/kg
Water	None established	Not applicable

Engineering Controls: Normally not necessary

Eye/Face Protection: Be careful not to spray in direction of face. Protective goggles recommended if handling large quantities

Skin Protection: Avoid spraying on skin. Rubber or other protective gloves recommended if handling large quantities.

Respiratory Protection: Not normally necessary.

General Hygiene Considerations: Keep spray out of food and beverages

Section 9. Physical and Chemical Properties

Color: Colorless to pale yellow. Foams when sprayed onto surface. Odor: Little if any.

Physical State: Liquid under compressed gas in steel can Odor Treshhold:

pH: Liquid fraction 7 - 8

Evaporation Rate: Not determined.

Flash Point: Not applicable. Cans can burst if heated to temperatures above 55°C.

Upper Flammability Limit: 8.5

Vapor Pressure: Not determined

Vapor Density: Not determined

Volatile Organic Compound (VOC),%weight:
10

Freezing Point: Not determined

Boiling Point: Not applicable. Cans can burst if heated to temperatures above 55°C.

Flammability(solid,gas): Classified as a "Non-Flammable Aerosol". Contents flammable due to presence of propellant gas.

Lower Flammability Limit: 1.9

Specific Gravity: Not applicable.

Auto-ignition Temperature: Not determined

Solubility (water): Soluble

Percent Volatile: 10

Section 10. Stability and Reactivity

Stability: Stable

Conditions to Avoid: Temperatures above 55°C

Incompatible Materials: Materials not compatible with water, strong oxidizing agents

Hazardous Decomposition Products: None known

Possibility of Hazardous Reactions: Extremely improbable

Section 11. Toxicology Information

ACCUTE EFFECTS

Oral LD50: Not determined for mixture. Liquid portion weighted average more than 40 grams per kilogram, rat.

Dermal LD50: Product dispersed as fine mist. Liquid portion weighted average more than 15 grams per kilogram, rabbit.

Inhalation: Not determined for mixture. Weighted average more than 30 milligrams per liter.

Eye Irritation: Direct contact can irritate eyes

Skin Irritation: Prolonged direct contact with spray can dry or irritate skin

Sensitization: None known

CHRONIC EFFECTS

Carcinogenicity: None known

Mutagenicity: None known

Reproductive Effects: None known

Developmental Effects: None known

Section 12. Ecological Information

Ecotoxicity: None known

Persistence/Degradability: None known

Bioaccumulation/Accumulation: None known

Mobility in Environment: Not determined

Section 13. Disposal Considerations

Disposal: Do not puncture or incinerate cans. Dispose according to Federal, State and Local regulations

Section 14. Transportation Information

US DOT (ground)

Proper Shipping Description: Consumer Commodity - ORM-D

CANADA TDG (ground)

Proper Shipping Description: Consumer Commodity - ORM-D

ICAO (air)

Proper Shipping Description: UN 1950, Class 2.2, Aerosols, Non-Flammable, LTD QTY

IMDG (water)

Proper Shipping Description: UN 1950, Class 2.2, Aerosols, Non-Flammable, LTD QTY

Section 15. Regulatory Information

Global Inventories

TSCA: United States	Included
DSL: Canada	Included
ECL: Korea	Not-Known
PICCS: Philippines	Not-Known
ENCS: Japan	Not-Known
AICS: Australia	Included
IECS: China	Not-Known
EINECS: European Union	Included

SARA 313 Information : No SARA 313 substances present at reportable levels

California Safe Drinking Water and Toxic Enforcement Act of 1986 :(Proposition 65)

No Proposition 65 substances present

WHMIS: Canadian Workplace Hazardous Material Information System

B 5

Section 16. Other Information

Legends:

NFPA, HMIS:

0=Minimal Hazard, 1=Slight Hazard, 2=Moderate Hazard, 3=Severe Hazard, 4=Extreme Hazard

Prepared By: Technical Dept.

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