

Material Safety Data Sheet
May be used to comply with
OSHA's Hazard Communication Standard,
29 CFR 1910.1200. Standard must be
consulted for specific requirements

U. S. Department of Labor
Occupational Safety & Health
Administration
(Non-Mandatory Form)
OSHA no. 1218-0072

Identity (as used on Label & List)

Note: Blank spaces are not permitted.
If any item is not applicable,
or no information is applicable
the space must be marked to
indicate that.

SOIL RELEASER I
SPOT & SOIL REMOVER

Section I

Manufacturer's Name
Duraclean International, Inc.

Emergency Telephone Number:
847-704-7100

Address (Number, Street)
220 Campus Drive

Telephone Number for Information:
847-704-7100

Address (city, state & zip)
Arlington Heights, IL 60004

Date Prepared: August 18, 1994

Signature of Preparer:
Henry Hakewill, Jr.

Section II - Hazardous Ingredients / Identity Information

Hazard (Specific Chemical Identity)	Components (Specific Common Names(s))	Chemical OSHA PEL	Identity: ACGIH TLV
None			

Product is a blend of detergents, surfactants & solvents in a water base.

Section III - Physical / Chemical Characteristics

Boiling Point (F)	Approx. 212 F	Specific Gravity (H2O=1)	Approx. 1
Vapor Pressure (mmHg)	Similar to water	Melting Point	N/A
Vapor Density (AIR = 1)	Similar to water	Evaporation Rate (Butyl Acetate = 1)	Same as water

Solubility in Water
Completely miscible

Appearance and Odor
Clear solution with ammonia odor.

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable		N/A	N/A

Extinguishing Media
Product is water-based; so is not flammable.

Section IV - Fire and Explosion Hazard Data cont.

Special Fire fighting Procedures
N/A

Unusual Fire and Explosion Hazards

If superheated (above 400 F) product may decompose releasing trace amounts of irritating vapors.

Section V - Reactivity Data

Stability	Unstable -	Conditions to Avoid
	Stable - X	N/A

Incompatibility (Materials to Avoid)

Strong acids, alkalies and oxidizing agents.

Hazardous Decomposition or Byproducts

Oxides of carbon & nitrogen in trace amounts may be formed at temperatures exceeding 400 F.

Hazardous Polymerization	May Occur -	Conditions to Avoid
	Will not occur - X	N/A

Section VI - Health Hazard Data

Route(s) of Entry: Eyes? Yes Inhalation? No Skin? Yes Ingestion? Yes

Health Hazards (Acute and Chronic)

The alkalinity of the product will cause mild acute eye & skin irritation. Ingestion will result in mild acute irritation of mucous membranes in mouth, throat & stomach. Prolonged contact (immersion) will defat skin.

Carcinogenicity:	NPT? No	IARC Monographs? No	OSHA Regulated? No
------------------	------------	------------------------	-----------------------

Signs & Symptoms of Exposure

Burning sensation in eyes, itching & redness of skin, irritation of mouth & throat if swallowed.

Medical Conditions Generally Aggravated by Exposure

Dermatitis

Emergency and First Aid Procedures

EYES: immediately flush with water for 15 minutes. Obtain medical attention if irritation persists. SKIN: wash off promptly with water. INGESTION: drink glass of water to dilute (add one tablespoon of Metamucil to it, if available). DO NOT INDUCE VOMITING. Get prompt medical attention.

Section VII - Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled
For small amounts, dilute with water & flush to sewer.

Waste Disposal Method
N/A

Precautions to be Taken in Handling and Storing

Wash hands thoroughly after handling. Store at room temperature or in a cool area.

Section VIII - Control Measures

Respiratory Protection (Specify Type)
None required for normal usage.

Ventilation	Local Exhaust: Natural draft is adequate.	Special	N/A
	Mechanical (General) Not required	Other	N/A

Protective Gloves
Not required for normal usage.

Eye Protection
Not required for normal usage.

Other Protective Clothing or Equipment
Not required for normal usage.

Work/Hygienic Practices

Do NOT take internally. KEEP OUT OF REACH OF CHILDREN. Wash hands after using, prior to eating, smoking or using restroom.

All terms and abbreviations have been defined in various government publications, or are standard chemical terms used by IUPAC.

The data and recommendations herein are based upon our research and the research of others, and are believed to be accurate. However, no warranty or guarantee of their accuracy is made; and the products are distributed without warranty, expressed or implied, including the limited warranties of merchantability or fitness for particular purpose.

Information contained herein is provided by manufacturer of product solely for vendee's assistance in preparing Material Safety Data Sheets required under the occupational safety and health act of 1970 and regulations thereunder. Any other use is prohibited. Information must be maintained confidential by vendee.

Neither this nor any statement contained herein grants or extends any license, express or implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The manufacturer makes no warranties, express or implied, as to the accuracy or adequacy of the information contained herein. The manufacturer shall not be liable to the vendee, the vendee's employees or anyone for any direct, special or consequential damages arising out of or in connection with the accuracy, adequacy or furnishing of such information.

OSHA 174, Sept. 1985

U. S. G. P. O. 1986-491-529/45775