

MATERIAL SAFETY DATA SHEET

NPCA Hazardous Materials Identification System

Product Name NO SMUDGE

Health	1
Flammability	0
Reactivity	0
Personal Protection	A

SECTION I PRODUCT IDENTIFICATION

Manufacturer's Name	ECOLOGICAL SOLUTIONS, LLC P.O. Box 561523 Dallas, Tx 75356	Business Office	(214) 231-3631
Chemical Family	N/A	Emergency Response	INFOTRAC 1-800-535-5053 (24 hours)
Chemical Formula	Proprietary	Effective Date	01/01/2010
Product Application	Glass Cleaner		

SECTION II INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>WT %</u>	<u>PEL</u>	<u>TWA-TLV</u>	<u>STEL-TLV</u>	<u>CARCINOGEN</u>
Water	7732-18-5	to 100%				No
Isopropanol	67-63-0	20 - 25	400 ppm	400 ppm	500 ppm	No
* Ethylene Glycol Monobutyl Ether	111-76-2	5 - 10	50 ppm	25 ppm	N/A	No
Propylene glycol	57-55-6	0 - 1				No
Phosphate Ester	39454-62-1	0 - 1				No
Ethoxylate Nonylphenol	9016-45-9	0 - 1				No

(* This chemical is subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and of 40 CFR 372)

SECTION III PHYSICAL DATA

The data values are typical and should not be construed as a specification.

Boiling Point (°F)	188 Initial
Vapor Pressure (mm Hg)	20 @ 68°F
Vapor Density (Air=1)	> 1
Solubility in Water	100 %
Specific Gravity (H ₂ O=1)	0.98
Evaporation Rate (Water = 1)	< 1
pH	8.5 - 9.5
Appearance	Dark blue liquid
Odor	Alcohol

SECTION IV FIRE AND EXPLOSION HAZARD

Flash Point (Method Used)	135°F (TCC)
Flammable Limits	LEL: N/A UEL: N/A
Extinguishing Media	Water fog, Foam, CO ₂ , Dry chemical
Special Fire Fighting Procedures	N/A
Unusual Fire and Explosion Hazards	None known

SECTION V REACTIVITY DATA

Stability (Normal Storage and Use)	Stable
Incompatibility (Materials to Avoid)	Strong oxidizers
Hazardous Decomposition Products	None known

Conditions to Avoid	None known
Hazardous Polymerization	Will not occur

SECTION VI HEALTH HAZARDS

Skin Contact	Prolonged or repeated contact may cause slight irritation.
Eye Contact	Slight irritant
Ingestion	May be irritating to the gastrointestinal system. Vomiting or diarrhea possible with large doses.
Inhalation	At high concentrations, vapors may be irritating to the mucous membranes or the nose, throat and lungs.

SECTION VII EMERGENCY AND FIRST AID

Skin Contact	Flush with water. Seek medical attention if irritation occurs.
Eye Contact	Flush with large quantities of water. Seek medical attention if irritation persists.
Ingestion	Dilute with two glasses of water. Seek medical attention.
Inhalation	Remove to fresh air.

SECTION VIII SPECIAL PROTECTION

Gloves	Waterproof recommended
Eye Protection	Safety glasses recommended
Respiratory	No special requirements
Ventilation	Good general ventilation should be sufficient for most conditions.

SECTION IX STORAGE AND HANDLING INFORMATION

Personal Hygiene	Wash thoroughly after handling, especially before eating, drinking, smoking or using restroom facilities. Wash goggles and gloves. Launder contaminated clothing. Do not swallow. Do not get in eyes.
Empty Containers	Empty containers contain residue. Do not reuse to store food, clothing or products for human or animal consumption. Do not pressurize, cut, weld, solder or drill empty containers or expose to ignition sources.
Storage	Return empty drums to a reconditioner or dispose of properly. Store in closed containers.

SECTION X ENVIRONMENTAL PROCEDURES

Stop discharge and contain material. Substantial quantities may be recovered with a vacuum pump. Use explosion proof equipment if flammable or combustible. Otherwise, use appropriate absorbent. Place contaminated material in container suitable for disposal. Use appropriate protective equipment. Be sure there is adequate ventilation. Do not flush to streams or other bodies of water. Contact appropriate environmental agencies if further guidance is required.

SECTION XI TRANSPORT INFORMATION

D.O.T. Shipping Name	Flammable liquids, n.o.s., 3, UN1993, III (Isopropanol)
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