

Material Safety Data Sheet

Number: **DMN0293**

Product Name: **Enviro-Solve™**

A liquid degreaser.

Revised: 5/1/12

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Section 2 - Composition / Information on Hazardous Ingredients

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>Carcinogen</u>
Sodium Metasilicate	6834-92-0	2 - 5%	No
Orange Terpenes	68647-72-3	5 - 10%	No
2-Methoxymethylethoxypropanol	34590-94-8	5 - 10%	No

Section 3 - Hazards Identification

Emergency Overview: Liquid is extremely irritating or corrosive to the eyes and very irritating to the skin. Product is water based and does not burn, but vapors in the head-space of drums and tanks may flash. It may be possible for a flammable concentration of vapors to accumulate from a large spill in a low or enclosed area. A clear tan liquid with orange odor.

Health Hazards: Corrosive

Physical Hazards: None

Primary Routes of Entry: Skin contact; Skin absorption; Inhalation; Ingestion

Potential Health Effects:

Eyes - causes severe irritation, redness, tearing, blurred vision and possible eye damage and blindness.

Skin - concentrate causes reddening, irritation, defatting, dermatitis and possible skin damage with prolonged contact.

Swallowing - causes severe gastrointestinal irritation, nausea, vomiting, diarrhea and possible damage to mucous membranes.

Breathing - excessive inhalation of vapors may cause nasal and respiratory irritation, dizziness, nausea.

Section 4 - First Aid Measures

Eye Contact: Immediately flush eyes with water for at least 15 minutes, lifting upper and lower eyelids occasionally. If irritation persists, get immediate medical attention.

Skin Contact: with concentrate, rinse the exposed are with running water for 15 minutes. Remove contaminated clothing and shoes. With diluted product wash the exposed area with soap and water. If irritation develops and persists, get medical attention. Launder contaminated clothing before re-use.

Inhalation: Move the affected person to fresh air. If irritation persists, get medical attention.

Ingestion: If the affected person is conscious, give 2 glasses of water to drink. Induce vomiting immediately by sticking fingers down the throat to trigger the gag reflex. Treat for shock by keeping the person warm and quiet. Get immediate medical attention.

Section 5 - Fire-Fighting Measures

Flash Point: 120° F. (ASTM D-56 closed cup).

Lower Explosive Limit: Not Applicable

Upper Explosive Limit: Not Applicable

Extinguishing Media: Any

Special Fire Fighting Procedures: None.

Unusual Fire And Explosion Hazards: None.

Section 6 - Accidental Release Measures

Steps To Be Taken If Material Is Released Or Spilled: Wipe or mop up small spills. Spills of more than 2 gallons should be diked to prevent spreading and then pumped into clean containers for re-use or disposal.

Section 7 - Handling and Storage

Contaminated rags may create flammable vapors in an enclosed container.

Empty containers retain product residue. Observe all precautions given in this data sheet.

Section 8 - Exposure Controls / Personal Protection

<u>Ingredient</u>	<u>C.A.S. No.</u>	<u>Percent</u>	<u>TWA(source)</u>	<u>STEL</u>	<u>Ceiling</u>
Sodium Metasilicate	6834-92-0	2 - 5%	no established limits are known		
Orange Terpenes	68647-72-3	5 - 10%	no established limits are known		
2-Methoxymethylethoxy propanol	34590-94-8	5 - 10%	100 ppm(1,2,3,4)	150 ppm(2,3,4)	-

(1)=OSHA (2)=NIOSH (3)=ACGIH (4)=Canada TWA=8 hr Time Weighted Average STEL=15 minute TWA Ceiling=Instantaneous

Ventilation: Good room ventilation.

Respiratory Protection: None under expected use conditions with normal ventilation.

Gloves: Wear rubber or latex gloves. Do not use disposable latex gloves. Disposable Nitrile gloves are good.

Eye Protection: If eye contact with the concentrate is possible, wear safety glasses with side shields, chemical goggles or face shield depending on the amount of exposure possible.

Other Protective Equipment: if splashing of concentrate is possible wear a vinyl or rubber apron. An eyewash station should be within 10 seconds travel time of areas where concentrate is handled.

Section 9 - Physical and Chemical Properties

Boiling Point: 215° F.

Specific Gravity: 1.02

Percent Volatiles: 80%

Solubility In Water: Complete

Appearance and Odor: Clear tan liquid with orange odor.

Vapor Pressure: Not Available

Vapor Density: Not Available

Evaporation Rate: Same as water.

pH: 13.0 ± 1.0

Section 10 - Stability and Reactivity

Incompatibility: None

Hazardous Decomposition Products: None

Section 11 - Toxicological Information

Target Organs: None.

Section 12 - Ecological Information

Do not dispose of product in the environment.

Section 13 - Disposal Considerations

Waste Disposal Method: Up to 2 gallons may be washed to the sanitary sewer with a large amount of water. Larger amounts may need to have the pH neutralized before putting into the sanitary sewer.

Section 14 - Transport Information

Not considered hazardous by D.O.T., I.M.C.O., I.A.T.A. or U.N.

Section 15 - Regulatory Information

The components of this product are on the TSCA inventory of chemical substances.

Section 16 - Other Information

NFPA: H:1 F:1 I:0 **HMIS® III:** H:2 F:1 P:0 These ratings estimates are to be used only with a fully implemented training program in the workplace. NFPA® is a mark registered by the NFPA. HMIS® is a mark registered by the NPCA.

Replaces sheet dated: 11/8/11. Updated percentages and specific gravity.

The information accumulated herein is believed to be accurate but is not warranted to be. Recipients are advised to confirm in advance that the information is current, applicable, and suitable to their circumstances.