



wowgreen™

MATERIAL SAFETY DATA SHEET

This MSDS complies with 29 CFR 1910.1200 OSHA's Hazard Communication Standard.

PRODUCT: AUTOMATIC DISHWASHING DETERGENT

WG# AD-032-01

DATE PREPARED: 03/09/2009

DATE UPDATED: NEW

HMIS

1
0
0
A

HAZARD

Health
Flammability
Reactivity
Personal Protection

NFPA

1
0
0
A

HAZARD RATING

4 - Very High; 3 - High; 2 - Moderate; 1 - Slight

SECTION I SOURCE AND EMERGENCY PHONE CONTACTS:

WOWGREEN INTERNATIONAL, LLC
1000 Town Center
Suite 2300
Southfield, Michigan 48075
Kingsbury, IN 46345

EMERGENCY PHONE NO.: (248) 213-0500 / (610) 551-9500
CHEMTREC: (800)424-9300 (IN PROCESS)

SECTION II INGREDIENT INFORMATION

| Chemical Identity/Common Name | CAS# | OSHA PEL ACGIH | TWA TLV | Wt % |
|--------------------------------|-------------|----------------|---------|-----------|
| Water | 7732-18-5 | N.E. | N.E. | Balance |
| Xanthan Gum | 11138-66-2 | N.E. | N.E. | 0.01-1.0 |
| Sodium Citrate | 6132-04-3 | N.E. | N.E. | 1-10 |
| Sodium Silicate | 1344-09-8 | N.E. | N.E. | 1-10 |
| Sodium Sesquicarbonate | 533-96-0 | N.E. | N.E. | 1-10 |
| Enzyme Protease/Lipase/Amylase | Proprietary | N.D. | N.D. | 1-10 |
| Surfactant Blend | Proprietary | N.E. | N.E. | 1-5 |
| Fragrance | Proprietary | N.E. | N.E. | 0.01-0.20 |

SECTION III HEALTH HAZARD IDENTIFICATION (Also See Section XI)

ROUTE(S) OF ENTRY - Skin and Ingestion

EFFECTS OF ACUTE EXPOSURE: **EYE:** Causes irritation. **SKIN:** May cause irritation. **INHALATION:** May cause respiratory irritation. **INGESTION:** On ingestion of large quantities slight GI discomfort, diarrhea and headache may occur. If unconscious, Do Not Induce Vomiting, Get Medical Attention

MEDICAL CONDITIONS GENERALLY RECOGNIZED AS BEING AGGRAVATED BY EXPOSURE: Prolonged contact with skin may cause irritation.

SECTION IV FIRST AID MEASURES

EYE CONTACT - Flush with plenty of water for at least 15 minutes, holding eyelids open all the time. Get medical attention if irritation persists. **SKIN CONTACT** - Wash contaminated area with soap and water. Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists. **INHALATION** - Move to area free from further exposure. **INGESTION** - Do not induce vomiting. If conscious, have victim rinse mouth, then drink large amount of water. Get immediate medical attention. Never give anything by mouth to an unconscious person.

SECTION V FIRE AND EXPLOSION HAZARD DATA

Flash Point: No Flash to 212° F

Flammable Limits:

LEL: N.E

UEL: N.E.

Extinguishing Media: Dry chemical, foam, carbon dioxide or water.

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Use NIOSH (National Institute of Occupational Safety and Health self-contained breathing apparatus and other protective equipment. Water fog or spray may be used to cool exposed containers.

Unusual Fire and Explosion Hazard: None

SECTION VI PREVENTIVE RELEASE MEASURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

In case of large spills evacuate area of all unnecessary personnel. Wear protective equipment and/or garment. Prevent additional discharge of materials if possible to do without hazard. Dike large spills and transfer to suitable container for disposal. For small spill rinse with water and dispose through regular drainage system. Dispose large spills according to Federal, State and Local regulation.

SECTION VII HANDLING AND STORAGE

PRECAUTIONARY INFORMATION: DANGER: Harmful if swallowed. Do not get in eyes, skin or clothing. Do not breathe vapors, mist or fumes.

OTHER HANDLING AND STORAGE CONDITIONS: None.

SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: No special requirements under normal use conditions.

VENTILATION: General room ventilation adequate.

PROTECTIVE GLOVES: No special requirements under normal use conditions.

EYE PROTECTION: No special requirements under normal use conditions.

OTHER PROTECTIVE MEASURES: No special requirements.

SECTION IX PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212° F

Specific Gravity (Water = 1.0): 1.018

Vapor Pressure: < 1

Melting Point: N.A.

Vapor Density: N.E.

Solubility in Water: Complete

Evaporation Rate(nButyl Acetate=1): <1

pH : 8.50 to 10.00

Freezing Point: N.A.

Percent Volatile by Volume: N.A.

Theoretical VOC: NA

Appearance & Odor: Opaque Yellow viscous liquid with lemon scent.

SECTION X STABILITY AND REACTIVITY

STABILITY: STABLE

STABILITY CONDITIONS TO AVOID: Strong alkali, acid and oxidizing agents.

INCOMPATIBILITY: Strong alkali's, Oxidizing Agents and Strong Acids.

HAZARDOUS DECOMPOSITION PRODUCTS: By Heat and Fire: Carbon monoxide, Carbon dioxide, NO gas.

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS POLYMERIZATION CONDITIONS TO AVOID: None

SECTION XI TOXICOLOGY INFORMATION (Also see Section III)

EFFECTS OF CHRONIC EXPOSURE: None known.

SECTION XII ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not available, however all treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State and Local regulations. Do not flush to surface water or sanitary water system.

SECTION XIII DISPOSAL CONSIDERATIONS

WASTE DISPOSAL INFORMATION: Observe all applicable Federal/ Provincial/ State regulations and Local/ municipal ordinances regarding disposal.

SECTION IV TRANSPORTATION INFORMATION

US DOT INFORMATION: Not Regulated

SECTION XV REGULATORY INFORMATION

CONSULT Federal, State and Local regulations.

SECTION XVI OTHER INFORMATION

ADDITIONAL INFORMATION: USE AS DIRECTED

EPA REGISTRATION NO.: Not Applicable

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