

SAFETY DATA SHEET

IMPORTANT: Read this SDS before handling & disposing of this product.
Pass this information on to employees, customers, & users of this product.

SECTION 1. IDENTIFICATION OF THE SUBSTANCE OR MIXTURE AND OF THE SUPPLIER

| | |
|-------------------|-----------------------------------|
| PRODUCT IDENTITY: | Clean & Green Window & Glass |
| PRODUCT USES: | Glass Cleaner |
| COMPANY IDENTITY: | Biosolutions LLC |
| COMPANY ADDRESS: | 1800 Industrial Park Drive |
| COMPANY CITY: | Grand Haven, MI 49417 |
| COMPANY PHONE: | 1-616-846-1210 |
| EMERGENCY PHONE: | 1-800-424-9300 (U.S) |
| CHEMTREC | 1-703-527-3887 (outside the U.S.) |

SECTION 2. HAZARDS IDENTIFICATION

2.1 HAZARD STATEMENTS: (CAT = Hazard Category)

| | |
|------------------------|------------|
| Physical Hazards: | None known |
| Health Hazards: | None Known |
| Environmental Hazards: | None Known |

| | |
|--|-----------------------|
| OSHA defined Hazards Label Elements | <i>Not classified</i> |
|--|-----------------------|

| | |
|-------------|---------|
| Signal Word | Warning |
|-------------|---------|

| | |
|------------------|------------|
| Hazard Statement | None Known |
|------------------|------------|

2.2 PRECAUTIONARY STATEMENTS:

Read label before use. Keep out of reach of children. If medical advice is needed, have product container or label at hand.

| | |
|-------------|--|
| PREVENTION: | Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves, eye protection, and face protection. |
|-------------|--|

| | |
|-----------|--|
| RESPONSE: | If skin irritation occurs: Take off contaminated clothing. Wash with plenty of water. Wash contaminated clothing before reuse. |
|-----------|--|

If in eyes: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

| | |
|----------|--------------------------|
| STORAGE: | No special requirements. |
|----------|--------------------------|

| | |
|-----------|---|
| DISPOSAL: | Dispose of the contents/container in accordance with local, regional, national, and international regulation. |
|-----------|---|

| | |
|--|------------|
| Hazard(s) not otherwise classified (HNOC) | None Known |
|--|------------|

SEE SECTIONS 8, 11 & 12 FOR TOXICOLOGICAL INFORMATION.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

MATERIAL

CAS#

WT %

TRACE COMPONENTS: Trace ingredients (if any) are present in < 1% concentration, (< 0.1% for potential carcinogens, reproductive toxins, respiratory tract mutagens, and sensitizers). None of the trace ingredients contribute significant additional hazards at the concentrations that may be present in this product. All pertinent hazard information has been provided in this document, per the requirements of the Federal Occupational Safety and Health Administration Standard (29 CFR 1910.1200), U.S. State equivalents, and Canadian Hazardous Materials Identification System Standard (CPR 4).

SECTION 4. FIRST AID MEASURES

Inhalation

If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing. Call a physician if symptoms develop or persist.

Skin Contact

Remove contaminated clothing immediately and wash skin with soap and water. Take off immediately all contaminated clothing. In case of eczema or other skin disorders: Seek medical attention and take along these instructions. Wash contaminated clothing before reuse.

Eye Contact

Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.

Ingestion

Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

Most important symptoms/effects, acute and delayed

Dermatitis. Rash. Direct contact with eyes may cause temporary irritation. Skin irritation. May cause an allergic skin reaction. May cause redness and pain.

Indication of immediate medical attention and special treatment needed

Provide general supportive measures and treat symptomatically.

General information

Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

SECTION 5. FIRE FIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media | Water Fog. Foam. Dry chemical powder. Carbon dioxide (CO ₂). Water Jet. |
| Unsuitable Extinguishing media | None Known |
| Specific Hazards arising from the chemical | Irritating vapors may be produced if ignited |
| Special protective equipment | Self-Contained breathing apparatus and full protective clothing must be worn in case of fire. |
| Fire-fighting equipment/instructions | In case of fire do not breath fumes. |
| Specific methods | Use standard firefighting procedures and consider the hazards of the other involved materials. |
| General fire hazards | None Known |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment, emergency procedures | Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS |
| Methods and materials for containment and cleaning up | <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece, mop). Clean surface thoroughly to remove residual contamination.</p> |
| Environmental precautions | Avoid release to the environment. Contact local authorities in case of spillage to drain/aquatic environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, Water courses or onto the ground. |

SECTION 7. HANDLING AND STORAGE

| | |
|---|--|
| Precautions for safe handling | Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. Use care in handling/storage. Avoid releases to the environment. Do not empty into drains. |
| Conditions for safe storage, including any incompatibilities | Store in original tightly closed container. Store in a cool, dry place out of direct sunlight. |

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

US. ACGIH Threshold Limit Values

Components:

None Known

US. NIOSH: Pocket Guide to Chemical Hazards

Components:

None Known

| | |
|--|--|
| Biological Limit values | No biological exposure limits noted for the ingredient(s). |
| Appropriate Engineering Controls | If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and an emergency shower must be available when handling this product. |
| Individual protection measures, such as personal protective equipment | |
| Eye/Face protection | Wear safety glasses with side shields (or goggles). Face shield is recommended. |
| Skin protection | Wear appropriate chemical resistant gloves. Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. |
| Respiratory protection | If engineering controls do not maintain airborne concentrations below recommended exposure limits (where applicable) or to an acceptable level (in countries where exposure limits have not been established), an approved respirator must be worn. |
| Thermal hazards | Wear appropriate thermal protective clothing, when necessary. |
| General hygiene considerations | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Contaminated work clothing should not be allowed out of the workplace. |

SECTION 9. PHYSICAL & CHEMICAL PROPERTIES

| | |
|--|----------------------|
| APPEARANCE: | Liquid, Clear |
| ODOR: | Mild |
| ODOR THRESHOLD: | Not Available |
| pH (Neutrality): | 7.0-8.0 |
| MELTING POINT/FREEZING POINT: | Not Available |
| BOILING RANGE (IBP,50%,Dry Point): | Not Available |
| FLASH POINT (TEST METHOD): | Not Available |
| EVAPORATION RATE (n-Butyl Acetate=1): | Not Available |
| FLAMMABILITY CLASSIFICATION: | Non Flammable Hazard |
| LOWER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| UPPER FLAMMABLE LIMIT IN AIR (% by vol): | Not Available |
| VAPOR PRESSURE (mm of Hg)@20 C / 68 F: | Not Available |
| VAPOR DENSITY (air=1): | Not Available |
| GRAVITY @ 68/68 F / 20/20 C: | |
| SPECIFIC GRAVITY (Water=1): | 1.00 g/mL |
| POUNDS/GALLON: | 8.34 lb/gal |
| WATER SOLUBILITY: | Soluble |
| PARTITION COEFFICIENT (n-Octane/Water): | Not Available |
| AUTO IGNITION TEMPERATURE: | Not Available |
| DECOMPOSITION TEMPERATURE: | Not Available |
| VOCs (>0.044 Lbs/Sq In) : | Not Available |
| TOTAL VOC'S (TVOC)*: | Not Available |
| NONEXEMPT VOC'S (CVOC)*: | Not Available |
| HAZARDOUS AIR POLLUTANTS (HAPS): | Not Available |
| NONEXEMPT VOC PARTIAL PRESSURE (mm of Hg @ 20 C) 0.0 | |
| VISCOSITY @ 20 C (ASTM D445): | Not Available |
| VOLATILE %: | Not Available |

* Using CARB (California Air Resources Board Rules).

SECTION 10. STABILITY & REACTIVITY

| | |
|---|---|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | No dangerous reactions known under conditions of normal use |
| Conditions to avoid | None known |
| Incompatible materials | Strong oxidizing agents |
| Hazardous decomposition products | No hazardous decomposition products are known |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|---|--|
| Ingestion | Expected to be a low ingestion hazard |
| Inhalation | Prolonged inhalation may be harmful |
| Skin Contact | Causes skin irritation. May cause an allergic skin reaction. |
| Eye Contact | Direct contact with eyes may cause temporary irritation. |
| Symptoms related to the physical, chemical and toxicological characteristics | Dermatitis. Rash. Skin irritation. May cause Redness and Pain . May cause an allergic skin reaction. |

Information on toxicological effects

| | |
|--|---|
| Acute toxicity | May cause an allergic skin reaction |
| Skin Corrosion/irritation | Causes skin irritation. |
| Serious eye damage/Eye irritation | Direct contact with eyes may cause temporary irritation. |
| Respiratory sensitization | Not available. |
| Skin sensitization | Not available |
| Germ Cell mutagenicity | No data available to indicate product or any components present at greater than .01% are mutagenic or genotoxic |
| Carcinogenicity | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. |
| Reproductive toxicity | This product is not expected to cause reproductive or developmental effects. |
| Specific target organ toxicity -Single Exposure | Not Classified. |
| Specific target organ toxicity -Repeated exposure | Not Classified. |
| Aspiration hazard | Not available. |
| Chronic Effects | Prolonged inhalation may be harmful. |

SECTION 12. ECOLOGICAL INFORMATION

| | |
|--------------------------------------|---|
| Ecotoxicity | No data available |
| Persistence and degradability | No data is available on the degradability of this product |
| Bioaccumulative potential | No data available |
| Mobility in soil | No data available |
| Other adverse Effects | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component. |

SECTION 13. DISPOSAL CONSIDERATIONS

The generation of waste should be avoided or minimized wherever possible. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers and liners may retain some product residues. Vapor from some product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Processing, use or contamination may change the waste disposal requirements. Do not dispose of on land, in surface waters, or in storm drains. Waste should be recycled or disposed of in accordance with regulations. Large amounts should be collected for reuse or consigned to licensed hazardous waste haulers for disposal. ALL DISPOSAL MUST BE IN ACCORDANCE WITH ALL FEDERAL, STATE, PROVINCIAL, AND LOCAL REGULATIONS. IF IN DOUBT, CONTACT PROPER AGENCIES.

SECTION 14. TRANSPORT INFORMATION

| | |
|---------------------------|----------------------------------|
| MARINE POLLUTANT: | No |
| DOT/TDG SHIP NAME: | Not regulated as dangerous goods |
| IATA / ICAO: | Not regulated as dangerous goods |
| IMO / IMDG: | Not regulated as dangerous goods |

SECTION 15. REGULATORY INFORMATION

TSCA section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not Regulated

CERCLA hazardous Substance List (40 CFR 302.4)

Not listed

SARA 304 Emergency release notification

Not Regulated

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not listed

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard Categories

Immediate Hazard- No

Delayed Hazard- No

Fire Hazard- No

Pressure Hazard- No

Reactivity Hazard- NO

SARA 302 Extremely hazardous substance

Not Listed

SARA 311/312 Hazardous chemical

No

SARA 313 (TRI reporting)

Not regulated

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not Regulated

Safe Drinking Water Act (SDWA)

Not regulated

State regulations

US. Massachusetts RTK- Substance List

Not regulated

US. New Jersey Worker and Community Right-to-Know Act

Not regulated

US. Pennsylvania Worker and Community Right-to-Know Law

Not regulated

US. Rhode Island RTK

Not regulated

US. California Proposition 65

This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

SECTION 16. OTHER INFORMATION

Issue Date

3/28/17

Version #

03

NOTICE

The supplier disclaims all expressed or implied warranties of merchantability or fitness or a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon information contained herein. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.