# SAFETY DATA SHEET

## 1. Identification

| | |
|---|---|
| **Product identifier** | **XS3 Wash Wax (XS3-5, XS3-55, XS3-G)** |
| **Other means of identification** | None. |
| **Recommended use** | Car wash. |
| **Recommended restrictions** | Uses other than the recommended use. |

**Manufacturer/Importer/Supplier/Distributor information**

| | |
|---|---|
| **Manufacturer/Supplier** | Granitize Aviation<br>11022 Vulcan Street<br>South Gate, CA 90280-0893<br>USA |
| **Telephone (general)** | (562) 923-5438 |
| **Emergency Telephone** | CHEMTREC: (800) 424-9300<br>CHEMTREC International: 00 1-703-527-3887 |

## 2. Hazard(s) identification

| | | |
|---|---|---|
| **Physical hazards** | Not classified. | |
| **Health hazards** | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 1 |
| | Carcinogenicity | Category 2 |
| **Environmental hazards** | Hazardous to the aquatic environment, acute hazard | Category 3 |
| | Hazardous to the aquatic environment, long-term hazard | Category 3 |
| **OSHA defined hazards** | Not classified. | |

**Label elements**

| | |
|---|---|
| **Signal word** | Danger |
| **Hazard statement** | Causes skin irritation. Causes serious eye damage. Suspected of causing cancer. Harmful to aquatic life with long lasting effects. |
| **Precautionary statement** | |
| **Prevention** | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wash thoroughly after handling. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection. |
| **Response** | IF exposed or concerned, get medical advice. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. |
| **Storage** | Store locked up. |
| **Disposal** | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| **Hazard(s) not otherwise classified (HNOC)** | None known. |
| **Supplemental information** | None. |

## 3. Composition/information on ingredients

**Mixtures**

| Chemical name | CAS number | % |
|---|---|---|
| N,N-bis(2-hydroxyethyl)dodecanamide | 120-40-1 | 5.7 |
| Benzenesulfonic acid, mono-C10-16-alkyl derivs., sodium salts | 68081-81-2 | 4.8 |
| Sodium dimethylbenzenesulfonate | 1300-72-7 | 1.2 |
| Alcohols, C10-16 | 67762-41-8 | 0.39 |
| Diethanolamine | 111-42-2 | 0.3 |

**Composition comments** All concentrations are in percent by weight. Components not listed are either non-hazardous or are below reportable limits.

## 4. First-aid measures

**Inhalation** Move to fresh air. Call a physician if symptoms develop or persist.

**Skin contact** Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. 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. Continue rinsing. Get medical attention immediately.

**Ingestion** Rinse mouth. Get medical attention if symptoms occur.

**Most important symptoms/effects, acute and delayed** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects.

**Indication of immediate medical attention and special treatment needed** Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

**General information** IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

## 5. Fire-fighting measures

**Suitable extinguishing media** Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Unsuitable extinguishing media** Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Fire fighting equipment/instructions** Water runoff can cause environmental damage.

**Specific methods** Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

## 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures** Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. 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** Prevent product from entering drains.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.

Small Spills: Absorb spillage with suitable absorbent material. Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.

**Environmental precautions** Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.

## 7. Handling and storage

**Precautions for safe handling**

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not get this material in contact with eyes. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities**

Store locked up. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

## 8. Exposure controls/personal protection

**Occupational exposure limits**

**US. ACGIH Threshold Limit Values (TLV)**

| Components | Type | Value | Form |
|---|---|---|---|
| Diethanolamine (CAS 111-42-2) | TWA | 1 mg/m3 | Inhalable fraction and vapor. |

**US. NIOSH: Pocket Guide to Chemical Hazards**

| Components | Type | Value |
|---|---|---|
| Diethanolamine (CAS 111-42-2) | TWA | 15 mg/m3 |
| | | 3 ppm |

**Biological limit values**

No biological exposure limits noted for the ingredient(s).

**Exposure guidelines**

**US - California OELs: Skin designation**

Diethanolamine (CAS 111-42-2) Can be absorbed through the skin.

**US ACGIH Threshold Limit Values: Skin designation**

Diethanolamine (CAS 111-42-2) Danger of cutaneous absorption

**Appropriate engineering controls**

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station and safety shower.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection**

Wear safety glasses with side shields (or goggles) and a face shield.

**Skin protection**

**Hand protection**

Wear appropriate chemical resistant gloves.

**Skin protection**

**Other**

Wear appropriate chemical resistant clothing.

**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**

When using do not smoke. 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.

## 9. Physical and chemical properties

**Appearance**

**Physical state** Liquid.

**Form** Liquid.

**Color** Red.

**Odor** Sweet.

**Odor threshold** Not available.

**pH** Property has not been measured.

**Melting point/freezing point** Property has not been measured.

| | |
|---|---|
| **Initial boiling point and boiling range** | > 200 °F (> 93.33 °C) |
| **Flash point** | Property has not been measured. |
| **Evaporation rate** | Not available. |
| **Flammability (solid, gas)** | Not applicable. |
| **Upper/lower flammability or explosive limits** | |
| **Explosive limit - lower (%)** | Property has not been measured. |
| **Explosive limit - upper (%)** | Property has not been measured. |
| **Vapor pressure** | Property has not been measured. |
| **Vapor density** | Property has not been measured. |
| **Relative density** | 1.05 |
| **Solubility(ies)** | |
| **Solubility (water)** | Completely soluble in water. |
| **Partition coefficient (n-octanol/water)** | Not applicable. |
| **Auto-ignition temperature** | Property has not been measured. |
| **Decomposition temperature** | Property has not been measured. |
| **Viscosity** | Not available. |
| **Other information** | |
| **Explosive properties** | Not explosive. |
| **Kinematic viscosity** | Property has not been measured. |
| **Oxidizing properties** | Not oxidizing. |

## 10. Stability and 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 reaction known under conditions of normal use. |
| **Conditions to avoid** | Contact with incompatible materials. |
| **Incompatible materials** | Strong oxidizing agents. |
| **Hazardous decomposition products** | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

## 11. Toxicological information

**Information on likely routes of exposure**

| | |
|---|---|
| **Inhalation** | Prolonged inhalation may be harmful. |
| **Skin contact** | Causes skin irritation. |
| **Eye contact** | Causes serious eye damage. |
| **Ingestion** | May cause discomfort if swallowed. |
| **Symptoms related to the physical, chemical and toxicological characteristics** | Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result. Skin irritation. May cause redness and pain. |

**Information on toxicological effects**

**Acute toxicity** Not expected to be acutely toxic.

| Components | Species | Test Results |
|---|---|---|
| Diethanolamine (CAS 111-42-2) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 12000 mg/kg |
| **Inhalation** | | |
| *Aerosol* | | |
| LC50 | Rat | 6.4 mg/l |

| Components | Species | Test Results |
|---|---|---|
| **Oral** | | |
| LD50 | Rat | 780 mg/kg |
| **Chronic** | | |
| **Dermal** | | |
| LOAEL | Rat | 32 mg/kg |
| **Oral** | | |
| LOAEL | Rat | 25 mg/kg |
| N,N-bis(2-hydroxyethyl)dodecanamide (CAS 120-40-1) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 2000 mg/kg |
| Sodium dimethylbenzenesulfonate (CAS 1300-72-7) | | |
| **Acute** | | |
| **Dermal** | | |
| LD50 | Rabbit | > 2000 mg/kg |
| **Oral** | | |
| LD50 | Rat | > 5000 mg/kg |
| **Chronic** | | |
| **Other** | | |
| NOAEL | Rat | 753 mg/kg |

**Skin corrosion/irritation** Causes skin irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory or skin sensitization**

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** Suspected of causing cancer.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Diethanolamine (CAS 111-42-2) 2B Possibly carcinogenic to humans.

**NTP Report on Carcinogens**

Not listed.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**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 an aspiration hazard.

**Chronic effects** Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects.

**Further information** None known.

## 12. Ecological information

**Ecotoxicity** Harmful to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|---|---|---|---|
| Alcohols, C10-16 (CAS 67762-41-8) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Algae | ErL50 | Selenastrum capricornutum | > 0.1 - < 0.3 mg/l, 72 hours |
| Crustacea | EL50 | Daphnia magna | > 0.23 - < 0.28 mg/l, 48 hours |
| Diethanolamine (CAS 111-42-2) | | | |
| **Aquatic** | | | |
| Algae | EC50 | Desmodesmus subspicatus | 7.78 mg/l, 72 Hours |
| Crustacea | EC50 | Daphnia magna | 1.63 mg/l, 48 hours |
| | NOEC | Daphnia magna | 0.78 mg/l, 21 days |
| Fish | LC50 | Pimephales promelas | 1370 mg/l, 96 hours |
| Sodium dimethylbenzenesulfonate (CAS 1300-72-7) | | | |
| **Aquatic** | | | |
| *Acute* | | | |
| Algae | EC50 | Selenastrum capricornutum | 230 mg/l, 96 Hours |
| Crustacea | EC50 | Daphnia magna | > 400 mg/l, 48 Hours |
| Fish | LC50 | Oncorhynchus mykiss | > 408 mg/l, 96 Hours |
| *Chronic* | | | |
| Algae | NOEC | Selenastrum capricornutum | 31 mg/l, 96 Hours |

**Persistence and degradability** No data is available on the degradability of this product.

**Bioaccumulative potential**

**Partition coefficient n-octanol / water (log Kow)**

Diethanolamine (CAS 111-42-2) 1.43

**Mobility in soil** This product is water soluble and may disperse in soil.

**Other adverse effects** No data available.

## 13. Disposal considerations

**Disposal instructions** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

**Hazardous waste code** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner.

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

## 14. Transport information

**DOT**

Not regulated as dangerous goods.

**IATA**

Not regulated as dangerous goods.

**IMDG**

Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not established.

## 15. Regulatory information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

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

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)**

Diethanolamine (CAS 111-42-2) Listed

**SARA 304 Emergency release notification**

Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)**

Not listed.

**Toxic Substances Control Act (TSCA)** One or more components of the mixture are not on the TSCA 8(b) inventory or are designated "inactive".

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**SARA 302 Extremely hazardous substance**

Not listed.

**SARA 311/312 Hazardous chemical** Yes

**Classified hazard categories**
Skin corrosion or irritation
Serious eye damage or eye irritation
Carcinogenicity

**SARA 313 (TRI reporting)**

Not regulated.

**Other federal regulations**

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

Diethanolamine (CAS 111-42-2)

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

Not regulated.

**Safe Drinking Water Act (SDWA)** Contains component(s) regulated under the Safe Drinking Water Act.

**US state regulations**

**US. Massachusetts RTK - Substance List**

Diethanolamine (CAS 111-42-2)

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

Diethanolamine (CAS 111-42-2)

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

Diethanolamine (CAS 111-42-2)

**US. Rhode Island RTK**

Diethanolamine (CAS 111-42-2)

**California Proposition 65**

**WARNING:** This product can expose you to chemicals including N,N-bis(2-hydroxyethyl)dodecanamide, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

**California Proposition 65 - CRT: Listed date/Carcinogenic substance**

| | |
|---|---|
| Diethanolamine (CAS 111-42-2) | Listed: June 22, 2012 |
| Formaldehyde (CAS 50-00-0) | Listed: January 1, 1988 |
| N,N-bis(2-hydroxyethyl)dodecanamide (CAS 120-40-1) | Listed: June 22, 2012 |

**International Inventories**

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Australia | Australian Inventory of Industrial Chemicals (AICIS) | No |
| Canada | Domestic Substances List (DSL) | No |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | Yes |

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|---|---|---|
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | Yes |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | No |
| Taiwan | Taiwan Chemical Substance Inventory (TCSI) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | No |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other information, including date of preparation or last revision

**Issue date** 03-December-2013

**Revision date** 24-February-2025

**Version #** 08

**NFPA ratings**

**References** IARC Monographs. Overall Evaluation of Carcinogenicity

**Disclaimer** Granitize Aviation cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.