SECTION 1: Identification

1.1. Identification

|  |  |  |
| --- | --- | --- |
| Product form | : | Mixture |
| Product name | : | Extra Tough (TM) Multi-Purpose Cleaner/Degreaser |

1.2. Recommended use and restrictions on use

|  |  |  |
| --- | --- | --- |
| Use of the substance/mixture | : | Cleaner Degreaser |
| Restrictions on use | : | None known |

1.3. Supplier

|  |
| --- |
| Extra Tough, LLC 4139 LM Gaines Blvd Starke, FL 32091 USA T: 1-800-951-0241 (9am-5pm Eastern Time Zone)  Email: [info@extratoughcleaners.com](mailto:info@extratoughcleaners.com)  Website: <https://extratoughcleaners.com/> |

1.4. Emergency telephone number

|  |  |  |
| --- | --- | --- |
| Emergency number | : | +1 855-237-5573 |

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

|  |  |  |
| --- | --- | --- |
| Skin corrosion/irritation Category 2 | H315 | Causes skin irritation |
| Serious eye damage Category 1 | H318 | Causes serious eye damage |
| Skin sensitization, Category 1 | H317 | May cause an allergic skin reaction |

Full text of H statements : see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Hazard pictograms (GHS US) | : | GHS05 | GHS07 |  |  |  |  |
| Signal word (GHS US) | : | Danger | | | | | |
| Hazard statements (GHS US) | : | H315 - Causes skin irritation H317 - May cause an allergic skin reaction H318 - Causes serious eye damage | | | | | |
| Precautionary statements (GHS US) | : | P261 - Avoid breathing mist, spray. P264 - Wash hands thoroughly after handling. P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves, eye protection. P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P310 - Immediately call a POISON CENTER or doctor/physician. P302+P352 - If on skin: Wash with plenty of water. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P362+P364 - Take off contaminated clothing and wash it before reuse. P501 - Dispose of contents/container to an approved waste disposal plant. | | | | | |

2.3. Other hazards which do not result in classification

|  |  |  |
| --- | --- | --- |
| Other hazards which do not result in classification | : | None known. |

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| Name | Product identifier | % |
| --- | --- | --- |
| Sodium Hydroxide | CAS-No.: 1310-73-2 | 1-<2 |
| Polyethoxylated tert-dodecyl mercaptan | CAS-No.: 9004-83-5 | < 1 |
| Sulfur based polyoxyethylene | CAS-No.: Proprietary | < 1 |

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

|  |  |  |
| --- | --- | --- |
| First-aid measures after inhalation | : | Move the affected person to fresh air. Get medical attention if symptoms occur. |
| First-aid measures after skin contact | : | Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention. |
| First-aid measures after eye contact | : | Immediately flush eyes thoroughly with water for at least 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get immediate medical advice/attention. |
| First-aid measures after ingestion | : | Call a poison center or a doctor if you feel unwell. |

4.2. Most important symptoms and effects (acute and delayed)

|  |  |  |
| --- | --- | --- |
| Inhalation | : | May cause minor irritation to the respiratory tract and to other mucous membranes. |
| Skin | : | May cause an allergic skin reaction. Causes skin irritation. |
| Eyes | : | May cause severe irritation. Risk of serious damage to eyes. |
| Ingestion | : | May cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic symptoms | : | None known. |

4.3. Immediate medical attention and special treatment, if necessary

Immediate medical attention is required for eye contact.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

|  |  |  |
| --- | --- | --- |
| Suitable extinguishing media | : | Use extinguishing media appropriate for surrounding fire. |
| Unsuitable extinguishing media | : | None. |

5.2. Specific hazards arising from the chemical

|  |  |  |
| --- | --- | --- |
| Fire hazard | : | This product is not classified as flammable or combustible. |
| Hazardous decomposition products in case of fire | : | Toxic fumes may be released. Sulfur oxides (SOx). Carbon oxides (CO, CO2). |

5.3. Special protective equipment and precautions for fire-fighters

|  |  |  |
| --- | --- | --- |
| Protection during firefighting | : | Do not attempt to take action without suitable protective equipment. |

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

|  |  |  |
| --- | --- | --- |
| General measures | : | Wear suitable protective clothing. Avoid contact with eyes, skin and clothing. |

6.1.1. For non-emergency personnel

|  |  |  |
| --- | --- | --- |
| Emergency procedures | : | Avoid contact with skin and eyes. Avoid breathing mist, spray, vapors. |

6.1.2. For emergency responders

|  |  |  |
| --- | --- | --- |
| Protective equipment | : | Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

|  |  |  |
| --- | --- | --- |
| For containment | : | Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams. |
| Methods for cleaning up | : | Take up liquid spill into absorbent material. |
| Other information | : | Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). |

6.4. Reference to other sections

Refer to protective measures listed in Sections 7 and 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

|  |  |  |
| --- | --- | --- |
| Precautions for safe handling | : | Avoid breathing mist, spray. Wear personal protective equipment. Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation. |
| Hygiene measures | : | Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. |

7.2. Conditions for safe storage, including any incompatibilities

|  |  |  |
| --- | --- | --- |
| Storage conditions | : | No special storage required. |
| Incompatible materials | : | None known. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| Extra Tough (TM) Multi-Purpose Cleaner/Degreaser |
| --- |
| No additional information available |

| Sodium Hydroxide (1310-73-2) | |
| --- | --- |
| USA - ACGIH - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| ACGIH OEL Ceiling | 2 mg/m³ |
| Remark (ACGIH) | TLV® Basis: URT, eye, & skin irr |
| Regulatory reference | ACGIH 2021 |
| USA - OSHA - Occupational Exposure Limits | |
| Local name | Sodium hydroxide |
| OSHA PEL (TWA) | 2 mg/m³ |
| Regulatory reference (US-OSHA) | OSHA Annotated Table Z-1 |

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) |
| --- |
| No additional information available |

| Sulfur based polyoxyethylene (Proprietary) |
| --- |
| No additional information available |

8.2. Appropriate engineering controls

|  |  |  |
| --- | --- | --- |
| Appropriate engineering controls | : | Ensure good ventilation of the work station. |
| Environmental exposure controls | : | Avoid release to the environment. |

8.3. Individual protection measures/Personal protective equipment

|  |
| --- |
| Hand protection: |
| Wear impervious gloves. |

|  |
| --- |
| Eye protection: |
| Chemical goggles |

|  |
| --- |
| Skin and body protection: |
| Wear suitable protective clothing |

|  |
| --- |
| Respiratory protection: |
| In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice. |

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

|  |  |  |
| --- | --- | --- |
| Physical state | : | Liquid |
| Appearance | : | Translucent. |
| Color | : | Pink |
| Odor | : | citrus-like |
| Odor threshold | : | No data available |
| pH | : | 12.01 – 12.03 |
| Melting point | : | -1.55 °C |
| Freezing point | : | No data available |
| Boiling point | : | 96 °C |
| Flash point | : | No data available |
| Relative evaporation rate (butyl acetate=1) | : | No data available |
| Flammability (solid, gas) | : | Not applicable. |
| Vapor pressure | : | No data available |
| Relative vapor density at 20°C | : | No data available |
| Relative density | : | 1.042 |
| Solubility | : | Soluble in water. |
| Partition coefficient n-octanol/water (Log Pow) | : | No data available |
| Auto-ignition temperature | : | 667 |
| Decomposition temperature | : | No data available |
| Viscosity, kinematic | : | 16.315 mm²/s |
| Viscosity, dynamic | : | No data available |
| Explosion limits | : | No data available |
| Explosive properties | : | None. |
| Oxidizing properties | : | None. |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

None known.

10.5. Incompatible materials

None known.

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

|  |  |  |
| --- | --- | --- |
| Acute toxicity (oral) | : | Not classified |
| Acute toxicity (dermal) | : | Not classified |
| Acute toxicity (inhalation) | : | Not classified |

| Sulfur based polyoxyethylene (Proprietary) | |
| --- | --- |
| LD50 oral rat | 1885 mg/kg |
| LD50 dermal rabbit | 3500 mg/kg |
| ATE US (oral) | 1885 mg/kg body weight |
| ATE US (dermal) | 3500 mg/kg body weight |

|  |  |  |
| --- | --- | --- |
| Skin corrosion/irritation | : | Causes skin irritation.  pH: 12.01 – 12.03 |

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) | |
| --- | --- |
| pH | 6 – 7 |

|  |  |  |
| --- | --- | --- |
| Serious eye damage/irritation | : | Causes serious eye damage.  pH: 12.01 – 12.03 |

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) | |
| --- | --- |
| pH | 6 – 7 |

|  |  |  |
| --- | --- | --- |
| Respiratory or skin sensitization | : | May cause an allergic skin reaction. |

|  |  |  |
| --- | --- | --- |
| Germ cell mutagenicity | : | Not classified |

|  |  |  |
| --- | --- | --- |
| Carcinogenicity | : | Not classified |

|  |  |  |
| --- | --- | --- |
| Reproductive toxicity | : | Not classified |

|  |  |  |
| --- | --- | --- |
| STOT-single exposure | : | Not classified |

|  |  |  |
| --- | --- | --- |
| STOT-repeated exposure | : | Not classified |

|  |  |  |
| --- | --- | --- |
| Aspiration hazard | : | Not classified |
| Viscosity, kinematic | : | 16.315 mm²/s |

|  |  |  |
| --- | --- | --- |
| Inhalation | : | May cause minor irritation to the respiratory tract and to other mucous membranes. |
| Skin | : | May cause an allergic skin reaction. Causes skin irritation. |
| Eyes | : | May cause severe irritation. Risk of serious damage to eyes. |
| Ingestion | : | May cause gastrointestinal irritation, nausea, vomiting and diarrhea. |
| Chronic symptoms | : | None known. |

SECTION 12: Ecological information

12.1. Toxicity

|  |  |  |
| --- | --- | --- |
| Ecology - general | : | The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment. An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. |

| Sodium Hydroxide (1310-73-2) | |
| --- | --- |
| EC50 - Crustacea [1] | 40.4 mg/l |

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) | |
| --- | --- |
| LC50 - Fish [1] | 64 mg/l |

| Sulfur based polyoxyethylene (Proprietary) | |
| --- | --- |
| LC50 - Fish [1] | 64 mg/l |
| EC50 - Crustacea [1] | 2.4 mg/l |

12.2. Persistence and degradability

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) |
| --- |
| Not rapidly degradable |

| Sulfur based polyoxyethylene (Proprietary) |
| --- |
| Not rapidly degradable |

12.3. Bioaccumulative potential

No additional information available

12.4. Mobility in soil

No additional information available

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

|  |  |  |
| --- | --- | --- |
| Regional legislation (waste) | : | Dispose of in accordance with applicable federal, state, and local regulations. |
| Waste treatment methods | : | Dispose of in accordance with applicable federal, state, and local regulations. |

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
| --- | --- | --- | --- |
| 14.1. UN number | | | |
| Not regulated for transport | | | |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

14.6. Special precautions for user

|  |
| --- |
| DOT |
| No data available |

|  |
| --- |
| TDG |
| No data available |

|  |
| --- |
| IMDG |
| No data available |

|  |
| --- |
| IATA |
| No data available |

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

|  |
| --- |
| All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory. |

| Sodium Hydroxide (1310-73-2) | |
| --- | --- |
| CERCLA RQ | 1000 lb |

15.2. International regulations

CANADA

| Sodium Hydroxide (1310-73-2) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Polyethoxylated tert-dodecyl mercaptan (9004-83-5) |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

EU-Regulations

No additional information available

National regulations

| Extra Tough (TM) Multi-Purpose Cleaner/Degreaser |
| --- |
| Listed on the Canadian DSL (Domestic Substances List) |

| Sulfur based polyoxyethylene (Proprietary) |
| --- |
| Listed on KECI (Korean Existing Chemicals Inventory) Listed on the Canadian DSL (Domestic Substances List) Listed introduction on Australian Industrial Chemicals Introduction Scheme (AICIS Inventory) |

| Component | State or local regulations |
| --- | --- |
| Sodium Hydroxide(1310-73-2) | U.S. - Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S. - New Jersey - Right to Know Hazardous Substance List |

SECTION 16: Other information

According to 29CFR 1910.1200 OSHA Hazard Communication Standard

|  |  |  |
| --- | --- | --- |
| Revision date | : | 2/28/2023 |

| Full text of H-phrases | |
| --- | --- |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |
| H318 | Causes serious eye damage |

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.