

Section 1 Identification

Product Code and Name: 106 HD Degreaser

Company Name and Address: 3D INTERNATIONAL 20724 Centre Pointe Parkway, Santa Clarita CA 91350

Business Phone: 888-999-7627

Emergency Telephone Number: CHEMTREC 1-800-424-9300 (US and Canada) All other locations 01-707-703-527-3887

Section 2 Hazards Identification

Classification of the Substance or Mixture: 1)ACUTE TOXICITY:ORAL,SKIN and INHALATION Category4. 2)SKIN CORROSION/IRRITATION Category2. 3) EYE DAMAGE/EYE IRRITATION Category2A

GHS label elements:



Signal Word: Warning

Hazard Statement: 1)H302 Harmful if swallowed. 2) H315 Causes skin irritation. 3)H319 Causes serious eye irritation

Precautionary Statements:

Prevention : P264 Wash hands thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves and eye protection

Response : P301 + P312 IF SWALLOWED: Call a POISON CENTER or a doctor/physician if you feel unwell. P330 Rinse mouth. P302+P352 IF ON SKIN: Wash with plenty of soap and water. P321 Use Moisturizing cream.

P332 + P313 If skin irritation occurs: Get medical attention. P362 Take off contaminated clothing and wash before reuse.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical attention.

Storage: Keep closed and away from children. Keep away from heat or flame.

Section 3 Composition/Information on ingredients:

Substance/Mixture: Mixture

Product Description: Degreaser

| Chemical Name: | CAS NUMBER | % IN PRODUCT |
|----------------------|------------|--------------|
| Sodium Hydroxide | 1310-73-2 | 3 to 5 |
| EDTA - Biodegradable | 64-02-8 | <3 |
| Sodium Metasilicate | 6834-92-0 | < 3 |
| Ethoxylated Alcohol | 68439-46-3 | < 3 |
| Deionized Water | 7732-18-5 | 82 to 86 |

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section. Occupational exposure limits, if available, are listed in Section 8

Section 4 First Aid Measures:

Description of necessary first aid measures

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| Eye contact : | Wash eyes immediately with large amounts of water. |
| Inhalation: | Move person to fresh air at once. If breathing has stopped, get medical attention immediately. |
| Skin contact: | Wash contacted areas with mild soap and water. |
| Ingestion: | Do not induce vomiting. If person is conscious, give water. Get medical attention. |

Most important symptoms/effects, acute and delayed

Potential acute health effects

| | |
|----------------------|--|
| Eye contact: | Can cause severe irritation, redness, tearing, and blurred vision. |
| Inhalation: | Fine mist may cause irritation of the nose and throat. |
| Skin contact: | Any contact can cause moderate irritation |
| Ingestion: | Gastrointestinal irritation. |

Over-exposure signs/Symptoms

| | | |
|----------------------|---|-----------------------------|
| Eye contact: | Adverse symptoms may include the following: | Irritation |
| Inhalation: | Adverse symptoms may include the following: | No significant effect |
| Skin contact: | Adverse symptoms may include the following: | Irritation |
| Ingestion: | Adverse symptoms may include the following: | Gastrointestinal irritation |

Indication of immediate medical attention and special treatment needed, if necessary

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|-------------------------------------|--|
| Notes to physician: | Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled |
| Specific treatments: | No specific treatment |
| Protection of first -aiders: | No action should be taken involving any personal risk or without suitable training. Wash contaminated clothing thoroughly with water before removing it. |

Section 5 Fire Fighting Measures

Extinguishing Media

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|---|---|
| Suitable extinguishing media | Regular Foam, Waterfog, Carbon Dioxide, or Dry Chemicals |
| Unsuitable extinguishing media | None known |
| Specific hazards arising from the chemical | In a fire or if heated, a pressure increase will occur and the container may burst. |

Hazardous thermal decomposition products

| | |
|---|---|
| Special protective actions for fire-fighters | If there is a fire, Promptly isolate the scene by removing all persons from the vicinity of the incident.. |
| Special protective equipment for fire-fighters | Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. |
| Hazardous Decomposition: | Oxides of carbon or traces of hydrocarbons may be formed in small amounts. |
| Special Fire Fighting Procedures: | Clear fire area of personnel. Do not enter confined fire area without full bunker gear and positive pressure breathing apparatus. |
| Unusual Fire / Explosion Hazards: | Not Listed |

Section 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flares in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders: If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in for "For non-emergency personnel".
- Environmental precautions: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air)

Methods and materials for containment and cleaning up

- Small spill: Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste disposal contractor.
- Large spill: Stop leak if without risk. Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Use spark-proof tools and explosion-proof equipment. Dispose via a licensed waste contractor. Contaminated absorbent material may pose the same hazard as

Use Gloves, Goggles, Boots and Breathing Mask. Small amounts do not need special measures. Clean up with water. For large spills remove all sources of ignition. Ventilate area. Absorb with an inert absorbent material. Avoid runoff into drains and sewers. All used and unused product should be disposed of in conformance with local, state, and federal regulations

Section 7 Handling and Storage

- Precautions for safe handling: Put on appropriate protective equipment (see Section 8). Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Keep in the original container or an approved alternate made from a compatible material, keep tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Do not reuse container. Wash thoroughly after use.
- Conditions for safe storage: Store in original container protected from direct sunlight in a dry, cool and well ventilated area, away from incompatible materials (see Section 10) and food and drink. Do not store in unlabeled
- Store materials tightly closed and away from sunlight, warm confined spaces, heat and open flame. Never weld on or near containers either empty or full. Secure all chemicals out of the reach of children.

Section 8: Exposure Controls/personal protection

Control parameters

Occupational exposure limits

| Ingredient name | CAS # | PEL/OSHA | TLV-ACGIH |
|----------------------|------------|----------------|----------------|
| Sodium Hydroxide | 1310-73-2 | 2mg/Cubic M | 2mg /Cubic M |
| EDTA - Biodegradable | 64-02-8 | 50 ppm | 25 ppm |
| Sodium Metasilicate | 6834-92-0 | 3 Mg/Cubic M | 3 Mg/Cubic M |
| Ethoxylated Alcohol | 68439-46-3 | Not Applicable | Not Applicable |
| Deionized Water | 7732-18-5 | Not Applicable | Not Applicable |

- Appropriate engineering controls: No special ventilation requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants

Individual protection measures

- Hygiene Measures: Wash hands forearms and face thoroughly after handling chemical products
- Eye/face protection: Wear chemical safety goggles
- Skin protection: Avoid skin contact. Wear chemical resistant impermeable gloves
- Respiratory protection: None

Section 9: Physical and chemical properties

| | | | |
|----------------|---------|-------------------|------------------|
| Physical state | Liquid | Specific Gravity: | 1.02 |
| Color: | Clear | Vapor Pressure: | <1(low volatile) |
| Odor: | None | Volatiles: | 98% |
| pH: | 12 | Vapor Density: | >1 Fall in air |
| Boiling Point: | >211 °F | Solubility: | 100% |
| Flash point: | none | Evaporation Rate: | <=Water |

Volatile Organic Compound (VOC) content for Consumer Products Applications Percent by weight: 0%

Section 10. Stability and reactivity

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| Reactivity: | No specific test data related to reactivity available for this product or its ingredients |
| Chemical stability: | The product is stable |
| Possibility of hazardous reactions: | Under normal conditions of storage and use, hazardous reactions will not occur |
| Conditions of instability: | When exposed to high temperatures colors may fade and bottles may panel |
| Conditions to avoid: | |
| Hazardous decomposition products: | Under normal conditions of storage and use, hazardous decomposition products should not be produced. |

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity Not classified

Irritation/corrosion

| <u>Eyes</u> | <u>Skin</u> | <u>Inhalation</u> | <u>Ingestion</u> |
|-------------|-------------|-----------------------|-----------------------------|
| Irritation | Irritation | No significant effect | Gastrointestinal irritation |

Sensitization There is no data available

Mutagenicity There is no data available

Carcinogenicity There is no data available

Reproductive toxicity There is no data available

Teratogenicity There is no data available

Specific target organ toxicity (single exposure) There is no data available

Specific target organ toxicity (repeated exposure) There is no data available

Aspiration hazard There is no data available

Delayed and immediate effects and also chronic effects from short and long term exposureShort term exposure

Potential immediate effects Not available

Potential delayed effects Not available

Long term exposure

Potential immediate effects Not available

Potential delayed effects Not available

Potential Chronic health effects

General Not known significant effects or critical hazards

Carcinogenicity Not known significant effects or critical hazards

Mutagenicity Not known significant effects or critical hazards

Teratogenicity Not known significant effects or critical hazards

Developmental effects Not known significant effects or critical hazards

Fertility effects Not known significant effects or critical hazards

Section 12. Ecological information

| | |
|---|--|
| Toxicity: | Not available |
| Persistence and degradability: | Not available |
| Bioaccumulative potential | Not available |
| Mobility in soil: soil/water partition coefficient (Koc): | Not available |
| Other adverse effects: | No known significant effects or critical hazards |

Section 13. Disposal considerations

The generation of waste should be avoided or minimized wherever possible. Significant quantities of waste product residues should not be disposed of via the sewer but processes in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. 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 empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from 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.

Section 14. Transport information

| | DOT | IMDG | IATA |
|------------------------------|---|---|---|
| UN number | Not regulated | Not regulated | Not regulated |
| UN proper shipping name | None | None | None |
| Transport hazard class(es) | Not classified as Hazardous for Transport | Not classified as Hazardous for Transport | Not classified as Hazardous for Transport |
| Packing group | Not applicable | Not applicable | Not applicable |
| Environmental hazards | No | No | No |
| Special precautions for user | Not available | Not available | Not available |
| Additional information | | | |

Special precautions for user Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Section 15. Regulatory information

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|--|------------------------|
| Clean Air Act Section 112(b) Hazardous Air Pollutants (HAPs) | Not listed |
| Clean Air Act Section 602 Class I Substances | Not listed |
| Clean Air Act Section 602 Class II Substances | Not listed |
| DEA List I Chemicals (Precursor Chemicals) | Not listed |
| DEA List II Chemicals (Essential Chemicals) | Not listed |
| SARA 302/304/311/312 extremely hazardous substances: | Not applicable |
| SARA 302/304 emergency planning and notification: | Not Applicable |
| SARA 302/304/311/312 hazardous chemicals: | No products were found |

Section 16. Other information

| | | | |
|---------------|------------|----------------------|---|
| Version | Nov/2015 | NFPA Ratings: Health | 1 |
| Date of issue | 11/24/2015 | Flammability | 0 |
| | | Reactivity | 0 |

Disclaimer of Liability:

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