

1. IDENTIFICATION

Product Identifier

Product Name Dish Ultra

Other Means of Identification

Product Code 322160/ 322169

Recommended Use of the Chemical and Restrictions on Use

Recommended Use Powdered dish detergent. For industrial use.

Details of the Supplier of the Safety Data Sheet

Midlab, Inc.
140 Private Brand Way
Athens, TN 37303

Emergency Telephone Number

Company Phone Number Phone: 1-423-337-3180
Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)
1-800-535-5053 (North America)

2. HAZARDS IDENTIFICATION

Appearance White
Characteristic

Physical State Powder

Odor

Classification

| | |
|-----------------------------------|------------|
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Aquatic Toxicity Acute | Category 2 |

Hazards Not Otherwise Classified (HNOC)

May be harmful if swallowed.

Signal Word

Danger



Hazard Statements

Causes severe skin burns and eye damage.
Toxic to aquatic life.

Precautionary Statements - Prevention

Avoid breathing dust/fume/gas/mist/vapors/spray.
Wash face, hands and any exposed skin thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Avoid release to the environment.

Precautionary Statements - Response

Immediately call a POISON CENTER or doctor/physician.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Remove/Take off immediately contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
SPECIFIC TREATMENT: Remove from exposure and treat symptoms.

Precautionary Statements - Storage

Store locked up.

Precautionary Statements – Disposal

Dispose of contents/container in accordance with local, regional, or national regulations.

Unknown Acute Toxicity

None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name | CAS No | Weight-% |
|-----------------------------|-------------|----------|
| Sodium Sulfate | 7757-82-6 | 30-60 |
| Sodium Carbonate | 497-19-8 | 10-30 |
| Sodium Metasilicate | 6834-92-0 | 10-30 |
| Sodium Tripolyphosphate | 7758-29-4 | 3-7 |
| Sodium Dichloroisocyanurate | 51580-86-0 | 1-5 |
| Alcohol Alkoxylate | Proprietary | 1-5 |
| Polyacrylate Salt | 68479-09-4 | 1-5 |

**If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret. **

4. FIRST-AID MEASURES

First Aid Measures

Eye Contact
minutes.

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Skin Contact

IF ON SKIN: Wash with plenty of soap and water. If skin burns or irritation occurs: Get medical advice/ attention. Take off contaminated clothing and wash it before reuse.

Inhalation

Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.

Ingestion

Never give anything by mouth to an unconscious person. Clean mouth with water and drink afterwards plenty of water. If any discomfort persists, obtain medical attention.

Most Important Symptoms and Effects

Symptoms

Causes serious eye burns/damage. Causes skin burns/irritation. May be harmful if swallowed.

Indication of Any Immediate Medical Attention and Special Treatment Needed

Notes to Physician

Treat symptomatically. May aggravate pre-existing skin disorders.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Water spray (fog). Carbon dioxide (CO2). Water. Foam.

Unsuitable Extinguishing Media

Not determined.

Specific Hazards Arising from the Chemical

None known.

Hazardous Combustion Products

Normal products of combustion.

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

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|----------------------------------|--|
| Personal Precautions | Wear protective clothing as described in Section 8 of this safety data sheet. |
| Environmental Precautions | Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information. See Section 13, Disposal Considerations, for additional information. See Section 12 for additional Ecological Information. |

Methods and Material for Containment and Cleaning Up

| | |
|--------------------------------|--|
| Methods for Containment | Prevent from spreading or entering drains, ditches or rivers by using sand, earth, or other appropriate barriers. |
| Methods for Clean-Up | Contain and collect with an inert absorbent and place into an appropriate container for disposal. Rinse area with clean water and dry before permitting traffic. |

7. HANDLING AND STORAGE

Precautions for Safe Handling

| | |
|--------------------------------|---|
| Advice on Safe Handling | Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. For industrial and commercial use only. Avoid contact with skin, eyes or clothing. Wash face, hands, and any exposed skin thoroughly after handling. Take off all contaminated clothing and wash before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. |
|--------------------------------|---|

Conditions for Safe Storage, Including Any Incompatibilities

| | |
|---------------------------|---|
| Storage Conditions | Keep container tightly closed and store in a cool, dry and well-ventilated place. Protect from freezing. Keep out of the reach of children. |
|---------------------------|---|

Incompatible Materials

Avoid contact with acids, oxidizers, ammonia, and organic solvents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|--|-------------------------|-----------------------------|------------|
| Sodium Carbonate 497-19-8 | - | 15mg/m ³ | - |
| Sodium Metasilicate 6834-92-0 | 2 mg/m ³ | 2 mg/m ³ | - |
| Sodium Tripolyphosphate 7758-29-4 | 15 mg/m ³ | 15 mg/m ³ | - |
| Sodium Dichloroisocyanurate* 51580-86-0 *Releases Chlorine (Chlorine Exposure) | 1.0 ppm C C= Ceiling | TLV: 0.5 ppm STEL: 1 ppm | - |

Appropriate Engineering Controls

| | |
|-----------------------------|--|
| Engineering Controls | Ensure adequate ventilation, especially in confined areas. Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. Eyewash stations. Showers. |
|-----------------------------|--|

Individual Protection Measures, such as Personal Protective Equipment

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|----------------------------|---|
| Eye/Face Protection | Use chemical splash goggles or glasses as necessary to prevent contact. |
|----------------------------|---|

| | |
|---------------------------------------|--|
| Skin and Body Protection | Not usually necessary under conditions of normal use. Normal work clothing (long sleeved shirts and long pants) is recommended. |
| Respiratory Protection | Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation wear respiratory protection. |
| General Hygiene Considerations | Handle in accordance with good industrial hygiene and safety practice. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing before reuse. |

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on Basic Physical and Chemical Properties

| | | | |
|-------------------------------------|----------------------|--------------------------------|----------------|
| Physical State | Powder | Odor | Characteristic |
| Appearance | White | Odor Threshold | Not determined |
| Color | White | | |
| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> | |
| pH (1%) | 11.5-12.0 | as a 1% w/w solution | |
| Melting Point/Freezing Point | Not applicable | | |
| Boiling Point/Boiling Range | Not applicable | | |
| Flash Point | Not applicable | | |
| Evaporation Rate | Not applicable | | |
| Flammability (Solid, Gas) | Not determined | | |
| Upper Flammability Limits | Not applicable | | |
| Lower Flammability Limit | Not applicable | | |
| Vapor Pressure | Not applicable | | |
| Vapor Density | Not applicable | | |
| Specific Gravity | 1.15 | | |
| Water Solubility | Moderately soluble | @ 25 °C (77 °F) | |
| Solubility in other solvents | Not determined | | |
| Partition Coefficient | Not determined | | |
| Auto-ignition Temperature | Not determined | | |
| Decomposition Temperature | Not determined | | |
| Kinematic Viscosity | Not determined | | |
| Dynamic Viscosity | Not determined | | |
| Explosive Properties | Not determined | | |
| Oxidizing Properties | Not determined | | |

10. STABILITY AND REACTIVITY

Reactivity

Not reactive under normal conditions.

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

None under normal processing.

Hazardous Polymerization

Hazardous polymerization does not occur.

Conditions to Avoid

Keep out of reach of children. Avoid getting water inside container.

Incompatible Materials

Avoid contact with acids, oxidizers, ammonia, and organic solvents.

Hazardous Decomposition Products

Releases hazardous chlorine compounds at elevated temperatures or when mixed with incompatible substances.

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure**Product Information**

| | |
|---------------------|------------------------------|
| Eye Contact | Causes serious eye damage. |
| Skin Contact | Causes skin burns. |
| Inhalation | May be harmful if inhaled. |
| Ingestion | May be harmful if swallowed. |

Component Information

| Chemical Name | Oral | Dermal LD50 | Inhalation LC50 |
|---|--------------------|-----------------------|----------------------------|
| Sodium Sulfate 7757-82-6 | > 10000mg/kg (Rat) | 4000mg/kg | - |
| Sodium Carbonate 497-19-8 | = 4090 mg/kg (Rat) | - | - |
| Sodium Metasilicate 6834-92-0 | = 600 mg/kg (Rat) | - | - |
| Sodium Tripolyphosphate 7758-29-4 | = 3100 mg/kg (Rat) | > 7940 mg/kg (Rabbit) | - |
| Sodium Dichloroisocyanurate 51580-86-0 | = 1823 mg/kg (Rat) | > 5000 mg/kg (Rabbit) | 0.27-1.17 mg/L (4hr) (Rat) |
| Polyacrylate Salt 68479-09-4 | > 5000 mg/kg (Rat) | > 5000 mg.kg (Rabbit) | - |

Information on Physical, Chemical and Toxicological Effects

Symptoms Please see section 4 of this SDS for symptoms.

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-Term Exposure

Carcinogenicity This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity

Not determined

Unknown Acute Toxicity

None known.

12. ECOLOGICAL INFORMATION**Ecotoxicity****Component Information**

| Chemical Name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---|-------------------------------|--|----------------------------|-----------------------------------|
| Sodium Sulfate 7757-82-6 | - | 56mg/L (96hr) | - | 3150mg/L (Daphnia 48hr) |
| Sodium Carbonate 497-19-8 | 242: 120 h Nitzschia mg/L E50 | 300: 96 h Lepomis macrochirus mg/L LC50 static 310 - 1220: 96 h Pimephales promelas mg/L LC50 static | - | 265: 48 h Daphnia magna mg/L EC50 |
| Sodium Metasilicate 6834-92-0 | - | 210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50 | - | 216: 96 h Daphnia magna mg/L EC50 |
| Sodium Tripolyphosphate 7758-29-4 | - | 1650: 48 h Leuciscus idus mg/L LC50 | - | - |
| Sodium Dichloroisocyanurate 51580-86-0 | - | 0.25-1.0 mg/L (96hr) Bluegill sunfish | - | 0.196 mg/L (48hr) Daphnia magna |
| Polyacrylate Salt 68479-09-4 | > 180 mg/L (96hr) Algae | > 1000 mg/OL (96hr) Bluegill sunfish | - | > 1000 mg/L (48hr) Daphnia magna |

Persistence/Degradability

Not determined

Bioaccumulation

Not determined

Mobility

Not determined

Other Adverse Effects

Not determined

13. DISPOSAL CONSIDERATIONS

Waste Treatment Methods

Disposal of Wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Disposal should be in accordance with applicable regional, national and local laws and regulations.

California Hazardous Waste Status

| Chemical Name | California Hazardous Waste Status |
|------------------------------|-----------------------------------|
| Sodium Carbonate 497-19-8 | Corrosive |

14. TRANSPORT INFORMATION

Note Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

DOT Portion Pacs: Consumer Commodity ORM-D or Limited Quantity
Larger Containers: UN 3262, Corrosive Solid, Basic Inorganic, NOS(Containing Sodium Metasilicate), 8, PG II

IATA

IMDG

15. REGULATORY INFORMATION

International Inventories

| | |
|---|---------------------------------------|
| Canada – Domestic Substances List (DSL) | All ingredients are listed or exempt. |
| TSCA (Toxic Substances Control Act) | All ingredients are listed or exempt. |

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 311/312 Hazard Categories

| | |
|------------------------------|-----|
| Acute Health Hazard | Yes |
| Chronic Health Hazard | Yes |
| Reactive Hazard | Yes |

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

The following ingredients appear on various state right to know lists and/or California's Proposition 65 List:

| Chemical Name | State List |
|---|------------|
| Sodium Sulfate 7757-82-6 | NJ, MA, PA |
| Sodium Tripolyphosphate 7758-29-4 | MA & PA |
| Sodium Dichloroisocyanurate 51580-86-0 | MA, PA, RI |

AZ- Arizona Ambient Air Quality Guidelines

CT- Connecticut Hazardous Air Pollutants

CA- California Director's List of Hazardous Substances

CAP65- California Prop65

FL- Florida Substances List

ID- Idaho Non-Carcinogen Toxic Air Pollutants

IL- Illinois Toxic Air Contaminant- Carcinogenic

MA- Massachusetts Right to Know List

MN- Minnesota Hazardous Substances List

NJ- New Jersey Right to Know List

PA- Pennsylvania Right to Know List

RI- Rhode Island Hazardous Substances List

16. OTHER INFORMATION

NFPA

Health Hazards

Flammability

Instability

Special Hazards

HMIS

Health Hazards

Flammability

Physical Hazards

Personal Protection

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0

Not determined

Issue Date: 08-Aug-2011

Revision/Review Date: 11-Dec-2020

Revision Note: Version 1.2 Updated Section 1

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

*Denotes changes from last version.

End of Safety Data Sheet