

SAFETY DATA SHEET

This SDS complies with 29 CFR 1910.1200 (Hazard Communication Standard)
IMPORTANT: Read this SDS before handling & disposing of this product. Pass this information on to employees, customers, and users of this product.

1. Identification

1.1. Product identifier

Product Identity Super Soak
Alternate Names Super Soak
Product Code 320-03

1.2. Relevant identified uses of the substance or mixture and uses advised against

Intended use Silverware Presoak
Application Method See Label Instructions.

1.3. Details of the supplier of the safety data sheet

Company Name United Formulas
601 6th St SW, Unit 5
Great Falls, MT 59404

Emergency

24 hour Emergency Telephone No. Infotrac: 1 800-535-5053
Emergency: (406) 727-4144

Customer Service: United Formulas

2. Hazard(s) identification

2.1. Classification of the substance or mixture

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)
STOT SE 3;H335 May cause respiratory irritation.

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.



Warning

H303 May be harmful if swallowed.

H335 May cause respiratory irritation.

[Prevention]:

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P264 Wash thoroughly after handling

[Response]:

P301 + P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P340 Remove person to fresh air and keep at rest in a position comfortable for breathing.

[Storage]:

P403+233 Store in a well ventilated place. Keep container tightly closed.

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--------------------------------------|-------|
| Sodium carbonate CAS Number: 0000497-19-8 | 50 - 100 | Eye Irrit. 2;H319 | [1] |
| Conditioning agent CAS Number: Proprietary | 25 - 50 | Not Classified | [1] |
| Disodium metasilicate CAS Number: 0006834-92-0 | 1 - 10 | Skin Corr. 1B;H314 STOT SE 3;H335 | [1] |

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

| | |
|-------------------|--|
| General | In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. |
| Inhalation | Remove to fresh air. If dusts have been inhaled, seek medical attention immediately. |
| Eyes | Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention. |
| Skin | Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. |
| Ingestion | Do NOT induce vomiting. Dilute product by giving large quantities of water or milk. Call your nearest poison control center for further action and seek medical attention immediately. |

4.2. Most important symptoms and effects, both acute and delayed

| | |
|-------------------|--|
| Overview | Inhalation: Dusts may cause some irritation. Skin Contact: May cause irritation. Eye Contact: May cause irritation and possible eye damage. Ingestion: May cause irritation and burning of mucous membranes of the mouth, throat, esophagus and stomach if ingested in large enough quantities. See section 2 for further details. |
| Inhalation | May cause respiratory irritation. |
| Ingestion | May be harmful if swallowed. (Not adopted by US OSHA) |

5. Fire-fighting measures

5.1. Extinguishing media

Not Applicable

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: None

Avoid breathing dust / fume / gas / mist / vapors / spray.

5.3. Advice for fire-fighters

Wear self-contained breathing apparatus.

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8.

Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations. (See section 13).

Clean, preferably with a detergent. Do not use solvents.

Do not allow spills to enter drains or watercourses.

If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams or lakes the Environmental Protection Agency should also be informed.

7. Handling and storage

7.1. Precautions for safe handling

Avoid excessive skin contact.

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Handle containers carefully to prevent damage and spillage.

Incompatible materials: Acids and oxidizing agents.

Store in a cool dry place.

See section 2 for further details. - [Storage]:

7.3. Specific end use(s)

Silverware presoak.

8. Exposure controls and personal protection**8.1. Control parameters****Exposure**

| CAS No. | Ingredient | Source | Value |
|--------------|-----------------------|----------|--|
| 0000497-19-8 | Sodium carbonate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0006834-92-0 | Disodium metasilicate | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | ACHAN TLV/OSHA 2mg/m ³ PEL 2mg/m ³ |
| Proprietary | Conditioning agent | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|-----------------------|--------|--|
| 0000497-19-8 | Sodium carbonate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0006834-92-0 | Disodium metasilicate | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| Proprietary | Conditioning agent | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls**Respiratory** Wear a dust mask if exposed to mists or dust.**Eyes** Protective safety glasses recommended**Skin** None**Engineering Controls** Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.**Other Work Practices** Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|--|--|
| Appearance | Blue crystalline powder |
| Odor | No odor |
| Odor threshold | Not Measured |
| pH | 1% solution: 10 - 11 |
| Melting point / freezing point | > 300°F |
| Initial boiling point and boiling range | Not applicable |
| Flash Point | Non-flammable |
| Evaporation rate (Ether = 1) | Not available |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: Not applicable Upper Explosive Limit: Not applicable |
| Vapor pressure (Pa) | Not available |
| Vapor Density | Not available |
| Specific Gravity | 0.69 g/cc |
| Solubility in Water | Very Soluble |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not applicable |
| Decomposition temperature | Not available |
| Viscosity (cSt) | Not available |
| VOC Content | Not available |

9.2. Other information

No other relevant information.

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

Acids and oxidizing agents

10.6. Hazardous decomposition products

None

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LC50, mg/L/4hr | Inhalation Dust/Mist LC50, mg/L/4hr | Inhalation Gas LC50, ppm |
|-------------------------------------|-----------------------------|-------------------|---------------------------------|-------------------------------------|--------------------------|
| Sodium carbonate - (497-19-8) | 4,090.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Disodium metasilicate - (6834-92-0) | 1,153.00, Rat - Category: 4 | No data available | No data available | No data available | No data available |
| Conditioning agent - (Proprietary) | 3,120.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|---|
| Acute toxicity (oral) | 5 | May be harmful if swallowed. (Not adopted by US OSHA) |
| Acute toxicity (dermal) | --- | Not Applicable |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |

| | | |
|------------------------|-----|-----------------------------------|
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | 3 | May cause respiratory irritation. |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|-------------------------------------|-----------------------------|----------------------------|---|
| Sodium carbonate - (497-19-8) | 300.00, Lepomis macrochirus | 265.00, Daphnia magna | 242.00 (72 hr), Freshwater Algae |
| Disodium metasilicate - (6834-92-0) | 210.00, Danio rerio | 33.53, Ceriodaphnia dubia | 400.00 (72 hr), Pseudokirchneriella subcapitata |
| Conditioning agent - (Proprietary) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

DOT (Domestic Surface
Transportation)

IMO / IMDG (Ocean
Transportation)

ICAO/IATA

| | | | |
|---|---|---|----------------------------------|
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |
| 14.4. Packing group | Not Applicable | Not Applicable | Not Applicable |
| 14.5. Environmental hazards | | | |
| IMDG | Marine Pollutant: No | | |
| 14.6. Special precautions for user | | | |
| No further information | | | |

15. Regulatory information

| | | | |
|--|---|-----|--|
| Regulatory Overview | The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. | | |
| Toxic Substance Control Act (TSCA) | All components of this material are either listed or exempt from listing on the TSCA Inventory. | | |
| WHMIS Classification | Not Regulated | | |
| US EPA Tier II Hazards | Fire: | No | |
| | Sudden Release of Pressure: | No | |
| | Reactive: | No | |
| | Immediate (Acute): | Yes | |
| | Delayed (Chronic): | No | |

EPCRA 311/312 Chemicals and RQs (lbs):

Conditioning Agent (5,000.00)

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

New Jersey RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Pennsylvania RTK Substances (>1%):

Conditioning Agent

16. Other information

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H314 Causes severe skin burns and eye damage.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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