1. Identification

Product identifier: BRUTAB 6S

Other means of identification:
- Product number: 161021

Recommended use: Effervescent disinfectant tablets

Recommended restrictions: None known.

Manufacturer/Importer/Supplier/Distributor information:
- Manufacturer: Brulin & Company, Inc.
- Address: P.O. Box 270, Indianapolis, IN 46206, United States
- Telephone: Phone: 317-923-3211, Fax: 317-925-4596
- Emergency phone number: CHEMTREC 1-800-424-9300
- Website: www.Brulin.com

2. Hazard(s) identification

Physical hazards:
Not classified.

Health hazards:
- Acute toxicity, oral: Category 4
- Acute toxicity, dermal: Category 4
- Serious eye damage/eye irritation: Category 2A
- Specific target organ toxicity, single exposure: Category 3 respiratory tract irritation

Environmental hazards:
Hazardous to the aquatic environment, acute hazard: Not applicable

OSHA defined hazards:
Not classified.

GHS label elements:
Hazard statement: Harmful if swallowed. Harmful in contact with skin. Causes serious eye irritation. May cause respiratory irritation. Very toxic to aquatic life.

Label elements:
Signal word: Warning

Prevention:
Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Avoid release to the environment. Wear protective gloves/protective clothing. Wear eye/face protection.

Response:
Collect spillage. IF IN EYES: Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists. IF SWALLOWED: Call a physician or poison control center immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. IF ON SKIN: Wash off immediately with plenty of soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists. IF INHALED: Move to fresh air. If a person feels unwell, contact a physician or medical personnel.

Storage:
Store in a well-ventilated place. Keep container tightly closed.

Disposal:
Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)  
None known.

Supplemental information  
51.79% of the mixture consists of component(s) of unknown acute dermal toxicity. % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. Contact with acids liberates toxic gas.

3. Composition/information on ingredients

Mixtures

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Common name and synonyms</th>
<th>CAS number</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dichloroisocyanuric acid, sodium salt</td>
<td>2893-78-9</td>
<td>45 - &lt;50</td>
<td></td>
</tr>
<tr>
<td>Adipic acid</td>
<td>124-04-9</td>
<td>35 - &lt;40</td>
<td></td>
</tr>
<tr>
<td>Sodium carbonate</td>
<td>497-19-8</td>
<td>10 - &lt;15</td>
<td></td>
</tr>
<tr>
<td>Other components below reportable levels</td>
<td></td>
<td>1 - &lt;5</td>
<td></td>
</tr>
</tbody>
</table>

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures

Eye contact  
Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses if present and safe to do so. Continue rinsing. Get medical attention if irritation develops or persists. Continue rinsing. Get medical attention if irritation develops or persists.

Skin contact  
Wash off immediately with plenty of soap and water. Remove and wash contaminated clothing before reuse. Get medical attention if irritation develops or persists.

Ingestion  
Call a physician or poison control center immediately. If conscious, drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Inhalation  
Move to fresh air. If a person feels unwell, contact a physician or medical personnel.

Notes to physician  
Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

Most important symptoms/effects, acute and delayed  
Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

Indication of immediate medical attention and special treatment needed  
Provide general supportive measures and treat symptomatically. In case of shortness of breath, give oxygen. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

General information  
In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

5. Fire-fighting measures

Suitable extinguishing media  
Flood with water.

Unsuitable extinguishing media  
Not available.

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.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures  
Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. 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.
This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop the flow of material, if this is without risk. Collect spillage. Dike far ahead of spill for later disposal. Following product recovery, flush area with water.

Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling
Do not taste or swallow. Avoid contact with skin. Avoid contact with eyes. Avoid prolonged exposure. Avoid contact with clothing. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices. When using, do not eat, drink or smoke. Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Avoid release to the environment. Do not empty into drains.

Conditions for safe storage, including any incompatibilities
Use care in handling/storage. Store in original tightly closed container. Store in a well-ventilated place. Store away from incompatible materials (see Section 10 of the SDS). Keep away from food, drink and animal feedingstuffs. Keep out of the reach of children.

8. Exposure controls/personal protection

Occupational exposure limits

US. ACGIH Threshold Limit Values

<table>
<thead>
<tr>
<th>Components</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adipic acid (CAS 124-04-9)</td>
<td>TWA</td>
<td>5 mg/m3</td>
</tr>
</tbody>
</table>

Appropriate engineering controls
General ventilation normally adequate.

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear eye/face protection. Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection
Wear protective gloves.

Respiratory protection
In case of insufficient ventilation, wear suitable respiratory equipment.

General hygiene considerations
When using, do not eat, drink or 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
tablet

Color
white - off white

Odor
slight chlorine

Odor threshold
Not available.

pH
5.5 - 6.5

Melting point/freezing point
305.6 °F (152 °C) estimated

Boiling point
Not available.

Flash point
Not available.

Evaporation rate
Not available.

Flammability (solid, gas)
Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)
Not available.

Flammability limit - upper (%)
Not available.

Vapor pressure
Not available.

Vapor density
Not available.

Solubility(ies)

Solubility (water) 100 %
Partition coefficient (n-octanol/water) Not available.
Auto-ignition temperature Not available.
Decomposition temperature Not available.
Viscosity Not available.
Specific gravity Not available.

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 Acids. Strong oxidizing agents
Hazardous decomposition products Chlorine. chlorides Carbon oxides. phosgene

11. Toxicological information
Information on likely routes of exposure
Eye contact Causes serious eye irritation.
Skin contact Harmful in contact with skin.
Ingestion Harmful if swallowed.
Inhalation Prolonged inhalation may be harmful. May cause irritation to the respiratory system.
Symptoms related to the physical, chemical and toxicological characteristics Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Acute toxicity Harmful if swallowed. Harmful in contact with skin. May cause respiratory irritation.
Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.
Reproductive toxicity This product is not expected to cause reproductive or developmental effects.
Chronic effects Prolonged inhalation may be harmful.
Toxicological information Occupational exposure to the substance or mixture may cause adverse effects.

12. Ecological information
Ecotoxicity Components of this product are hazardous to aquatic life.
Persistence and degradability Based on the biodegradability data of the components, this material is expected to be biodegradable.
Bioaccumulative potential This material does not contain chemicals that have known bioaccumulative potential.
Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations
Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not discharge into drains, water courses or onto the ground. 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 (see: Disposal instructions).
Contaminated packaging
Empty containers should be taken to an approved waste handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

14. Transport information

DOT
Not regulated as dangerous goods.

IATA
Not regulated as dangerous goods.

IMDG
Not regulated as dangerous goods.

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)
Adipic acid (CAS 124-04-9) Listed.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)
Not listed.

CERCLA (Superfund) reportable quantity
Adipic acid: 5000

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories
Immediate Hazard - Yes
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - No
Reactivity Hazard - No

SARA 302 Extremely hazardous substance
No

SARA 311/312 Hazardous chemical
No

SARA 313 (TRI reporting)
Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List
Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)
Not regulated.

Safe Drinking Water Act (SDWA)
Not regulated.

US state regulations

US. California Proposition 65
California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

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

HMIS® ratings
Health: 1
Flammability: 0
Physical hazard: 0
Personal protection: B
NFPA ratings
- Health: 1
- Flammability: 0
- Instability: 0

Revision Information
- Hazard(s) Identification: Response
- Hazard(s) Identification: Disposal
- GHS: Classification

Issue date: 04-22-2014
Revision date: 07-08-2014
Version #: 03

Further information
This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

**DANGER**
**CORROSIVE**
Causes irreversible eye damage and skin burns.
Harmful if swallowed, inhaled or absorbed through the skin.

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 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. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release.