BBJ PRO
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
Date of issue: 05/01/2015 Revision date: 05/06/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier
Product form : Mixture
Product name : BBJ PRO
Product code : 340p

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

1.3. Details of the supplier of the safety data sheet
CANNON INDUSTRIAL PRODUCTS, INC.
P.O. Box 291344 Nashville, TN 37229-1344
PHONE (615) 391-4046 or 1-888-879-6124
FAX (615) 391-4051

1.4. Emergency telephone number
EMERGENCY RESPONSE: INFOTRAC (NORTH AMERICA): 1-800-535-5053
(INTERNATIONAL): 1-352-323-3550

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture
GHS-US classification
Skin Corr. 1B H314
Eye Dam. 1 H318
STOT SE 3 H335
Full text of H-phrases: see section 16

2.2. Label elements
GHS-US labelling
Hazard pictograms (GHS-US)

Signal word (GHS-US) : Danger
Hazard statements (GHS-US) : Causes severe skin burns and eye damage
Causes serious eye damage
May cause respiratory irritation

Precautionary statements (GHS-US) : Do not breathe vapours, spray, mist
Wash hands thoroughly after handling
Use only outdoors or in a well-ventilated area
Wear eye protection, face protection, protective gloves
If swallowed: rinse mouth. Do NOT induce vomiting
If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
If inhaled: Remove person to fresh air and keep comfortable for breathing
If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present
and easy to do. Continue rinsing
Immediately call a doctor
Call a doctor if you feel unwell
Specific treatment (see First Aid measures on this label)
Wash contaminated clothing before reuse
Store in a well-ventilated place. Keep container tightly closed
Store locked up
Dispose of contents/container to an approved waste disposal plant

2.3. Other hazards
No additional information available

2.4. Unknown acute toxicity (GHS-US)
Not applicable
SECTION 3: Composition/information on ingredients

3.1. Substances
Not applicable
3.2. Mixture

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>hydrochloric acid</td>
<td>(CAS No) 7647-01-0</td>
<td>25.8 - 26.1</td>
<td>Skin Corr. 1B, H314</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Eye Dam. 1, H318</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>STOT SE 3, H335</td>
</tr>
</tbody>
</table>

Full text of H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general
Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid measures after inhalation
Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.

First-aid measures after skin contact
Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after eye contact
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

First-aid measures after ingestion
Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries
Causes severe skin burns and eye damage.

Symptoms/Injuries after inhalation
May cause respiratory irritation.

Symptoms/Injuries after eye contact
Causes serious eye damage.

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media
Suitable extinguishing media

Unsuitable extinguishing media
Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture
Explosion hazard
Not applicable.

Reactivity
Corrosive vapours.

5.3. Advice for firefighters

Firefighting instructions
Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.

Protection during firefighting
Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel
Emergency procedures
Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment
Equip cleanup crew with proper protection.

Emergency procedures
Ventilate area.

6.2. Environmental precautions
Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
6.4. Reference to other sections
See Section 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Precautions for safe handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Do not breathe vapours, spray, mist. Use only outdoors or in a well-ventilated area.

Hygiene measures: Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures: Comply with applicable regulations.
Storage conditions: Keep only in the original container in a cool, well ventilated place away from heat sources. Keep container tightly closed.

Incompatible products: Strong bases. Strong acids.
Incompatible materials: Sources of ignition. Direct sunlight.

7.3. Specific end use(s)
No additional information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>BBJ PRO</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>DNEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Not applicable</td>
<td>Not applicable</td>
<td></td>
</tr>
<tr>
<td>OSHA</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DNEL</td>
<td>DNEL</td>
<td></td>
<td>&lt;=</td>
</tr>
</tbody>
</table>

hydrochloric acid (7647-01-0)

<table>
<thead>
<tr>
<th>ACGIH</th>
<th>ACGIH Ceiling (ppm)</th>
<th>2 ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACGIH</td>
<td>Remark (ACGIH)</td>
<td>URT irr</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (Ceiling) (mg/m³)</td>
<td>7 mg/m³</td>
</tr>
<tr>
<td>OSHA</td>
<td>OSHA PEL (Ceiling) (ppm)</td>
<td>5 ppm</td>
</tr>
</tbody>
</table>

8.2. Exposure controls
Personal protective equipment: Avoid all unnecessary exposure.

Hand protection: Wear protective gloves.
Eye protection: Chemical goggles or face shield.
Skin and body protection: Wear suitable protective clothing.
Respiratory protection: Wear appropriate mask.
Other information: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
Colour: milky White
Odour: acidic
Odour threshold: No data available
pH: No data available
Melting point: No data available
Freezing point: No data available
Boiling point: No data available
Flash point: No data available
Relative evaporation rate (butylacetate=1): No data available
Flammability (solid, gas): No data available
Explosive limits: No data available
BBJ PRO
Safety Data Sheet
according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Explosive properties: No data available
Oxidising properties: No data available
Vapour pressure: No data available
Relative density: No data available
Relative vapour density at 20 °C: No data available
Solubility: Water: Solubility in water of component(s) of the mixture:
- nonylphenoxypoly(ethyleneoxy)ethanol: soluble
- hydrochloric acid: Complete

Log Pow: No data available
Log Kow: No data available
Auto-ignition temperature: No data available
Decomposition temperature: No data available
Viscosity: No data available
Viscosity, kinematic: No data available
Viscosity, dynamic: No data available

9.2. Other information
No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity
Corrosive vapours

10.2. Chemical stability
Not established.

10.3. Possibility of hazardous reactions
Not established.

10.4. Conditions to avoid
Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials
Strong acids. Strong bases.

10.6. Hazardous decomposition products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity: Not classified
Skin corrosion/irritation: Causes severe skin burns and eye damage.
Serious eye damage/irritation: Causes serious eye damage.
Respiratory or skin sensitisation: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified

<table>
<thead>
<tr>
<th>hydrochloric acid (7647-01-0)</th>
</tr>
</thead>
<tbody>
<tr>
<td>IARC group: 3 - Not classifiable</td>
</tr>
</tbody>
</table>

Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): May cause respiratory irritation.
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified
Potential adverse human health effects and symptoms: Based on available data, the classification criteria are not met.
Symptoms/Injuries after inhalation: May cause respiratory irritation.
Symptoms/Injuries after eye contact: Causes serious eye damage.

06/10/2015 EN (English)
SECTION 12: Ecological information

12.1. Toxicity

<table>
<thead>
<tr>
<th>Chemical</th>
<th>LC50 fish 1</th>
<th>EC50 Daphnia 1</th>
<th>LC50 fish 2</th>
<th>TLM fish 1</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>282 mg/l (96 h; Gambusia affinis; Pure substance)</td>
<td>&lt; 56 mg/l (72 h; Daphnia magna; Pure substance)</td>
<td>862 mg/l (Leuciscus idus; Pure substance)</td>
<td>282 ppm (96 h; Gambusia affinis; Pure substance)</td>
</tr>
</tbody>
</table>

12.2. Persistence and degradability

<table>
<thead>
<tr>
<th>BBJ PRO</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>BBJ PRO</th>
<th>Persistence and degradability</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Biodegradaability: not applicable. No (test) data on mobility of the components available.</td>
</tr>
</tbody>
</table>

12.3. Bioaccumulative potential

<table>
<thead>
<tr>
<th>BBJ PRO</th>
<th>Bioaccumulative potential</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Not established.</td>
</tr>
</tbody>
</table>

12.4. Mobility in soil

<table>
<thead>
<tr>
<th>BBJ PRO</th>
<th>Mobility in soil</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>hydrochloric acid (7647-01-0) May be harmful to plant growth, blooming and fruit formation.</td>
</tr>
</tbody>
</table>

12.5. Other adverse effects

<table>
<thead>
<tr>
<th>Effect on the global warming</th>
</tr>
</thead>
<tbody>
<tr>
<td>No known ecological damage caused by this product.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Other information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

SECTION 13: Disposal considerations

13.1. Waste treatment methods

<table>
<thead>
<tr>
<th>Waste disposal recommendations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to an approved waste disposal plant.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Ecology - waste materials</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avoid release to the environment.</td>
</tr>
</tbody>
</table>

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Transport document description: UN1789 Hydrochloric acid, 8, II

UN-No (DOT): UN1789

Proper Shipping Name (DOT): Hydrochloric acid

Transport hazard class(es) (DOT): 8 - Class 8 - Corrosive material 49 CFR 173.136

Hazard labels (DOT): 8 - Corrosive

Packing group (DOT): II - Medium Danger

DOT Packaging Bulk (49 CFR 173.xxx): 242

DOT Packaging Exceptions (49 CFR 173.xxx): 154

DOT Quantity Limitations Passenger aircraft/air: 1 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 173.27): 30 L

06/10/2015

EN (English)
BBJ PRO
Safety Data Sheet
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DOT Vessel Stowage Location: C - The material must be stowed "on deck only" on a cargo vessel and on a passenger vessel.

Additional information:
Emergency Response Guide (ERG) Number: 154
Other information: No supplementary information available.

ADR: No additional information available

Transport by sea:
UN-No. (IMDG): 1789
Prop. Shipping Name (IMDG): HYDROCHLORIC ACID
Class (IMDG): 8 - Corrosive substances
Packing group (IMDG): II - Substances presenting medium danger

Air transport:
UN-No. (IATA): 1789
Prop. Shipping Name (IATA): Hydrochloric acid
Class (IATA): 8 - Corrosives
Packing group (IATA): II - Medium Danger

SECTION 15: Regulatory Information

15.1. US Federal regulations

BBJ PRO
Not listed on the United States TSCA (Toxic Substances Control Act) inventory
All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory except for:

aceros OP 305 opacifier: CAS No 0.5 - 1

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372:

hydrochloric acid: CAS No 7647-01-0 25.8 - 26.1

hydrochloric acid (7647-01-0)
Not listed on the United States SARA Section 313
Listed on United States SARA Section 313

RQ (Reportable quantity, section 304 of EPA's List of Lists): 5000 lb

SARA Section 302 Threshold Planning Quantity (TPQ): 500 lb

15.2. International regulations

CANADA: No additional information available

EU-Regulations: No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]: No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]: Not classified

National regulations: No additional information available

15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer and/or reproductive harm
SECTION 16: Other Information

Revision date: 05/06/2015
Other information: None.

| Full text of H-phrases | | |
|------------------------|-----------------|
| Eye Dam 1 | Serious eye damage/eye irritation, Category 1 |
| Skin Corr 1B | Skin corrosion/irritation, Category 1B |
| STOT SE 3 | Specific target organ toxicity — Single exposure, Category 3. Respiratory tract irritation |
| H314 | Causes severe skin burns and eye damage |
| H318 | Causes serious eye damage |
| H335 | May cause respiratory irritation |

NFPA health hazard: 3 - Short exposure could cause serious temporary or residual injury even though prompt medical attention was given.

NFPA fire hazard: 0 - Materials that will not burn.

NFPA reactivity: 1 - Normally stable, but can become unstable at elevated temperatures and pressures or may react with water with some release of energy, but not violently.

HMIS III Rating

- Health: 3 - Serious Hazard - Major injury likely unless prompt action is taken and medical treatment is given.
- Flammability: 0 - Minimal Hazard - Materials that will not burn.
- Physical: 1 - Slight Hazard - Materials that are normally stable but can become unstable (self-react) at high temperatures and pressures. Materials may react non-violently with water or undergo hazardous polymerization in the absence of inhibitors.

Personal Protection

- D - Face shield and eye protection, Gloves, Synthetic apron.

SDS US (GHS HazCon 2012)

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.