



# SAFETY DATA SHEET

Bug Blitzer®

## Section 1. Identification

**GHS product identifier** : Bug Blitzer®  
**Other means of identification** : WP10, 2784009, 2779909, 2707995  
**Product type** : Solid.

### Relevant identified uses of the substance or mixture and uses advised against

**Product use** : Cleaner for windows, mirrors, and stainless steel surfaces.  
**Area of application** : Industrial applications, Professional applications.

**Product dilution information** : 0.5 wt. oz. (14.2 g.) per 2.5 gallons (9.5 L.) of water

**Supplier/Manufacturer** : **STEARNS PACKAGING CORPORATION**  
 4200 Sycamore Avenue (53714)  
 PO Box 3216  
 Madison, WI 53704-0216  
 Telephone no.: 800-655-5008  
 Fax no.: 608-246-5149  
 Website: www.stearnspkg.com

**e-mail address of person responsible for this SDS** : stearns@stearnspkg.com

**Emergency telephone number (with hours of operation)** : CHEM-TEL : 800-255-3924

## Section 2. Hazards identification

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<b>OSHA/HCS status</b>	: This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).	Not classified.
<b>Classification of the substance or mixture</b>	: ACUTE TOXICITY: ORAL - Category 4 SKIN IRRITATION - Category 2 SERIOUS EYE IRRITATION - Category 2A SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3 Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 36%	Not classified.
<b>GHS Label elements</b>		
<b>Hazard pictograms</b>	: 	None
<b>Signal word</b>	: Warning	None
<b>Hazard statements</b>	: Harmful if swallowed. Causes serious eye irritation. Causes skin irritation. May cause respiratory irritation.	The mixture does not meet the criteria for classification.

## Section 2. Hazards identification

### Precautionary statements

<b>General</b>	: Keep out of the reach of children.	Keep out of the reach of children.
<b>Prevention</b>	: Wear protective gloves/eye protection/face protection. Use only outdoors or in a well ventilated area. Avoid breathing dust. Do not eat, drink or smoke when using this product. Wash hands thoroughly after handling.	Observe good industrial hygiene practices.
<b>Response</b>	: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell. Rinse mouth. IF ON SKIN: Wash skin with plenty of water. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.	
<b>Storage</b>	: Store locked up.	No storage precautions necessary.
<b>Disposal</b>	: Dispose of waste and residues in accordance with local authority requirements.	Dispose of solution down the drain to municipal sewer.
<b>Hazards not otherwise classified</b>	: None known.	None known.

## Section 3. Composition/information on ingredients

<b>Substance/mixture</b>	: Mixture
<b>Other means of identification</b>	: WP10, ST-798, ST-799, ST-904

### CAS number/other identifiers

<b>CAS number</b>	: Not applicable.
<b>Product code</b>	: Not available.

<b>Ingredient name</b>	<b>Other names</b>	<b>%</b>	<b>CAS number</b>
sodium dodecylbenzenesulfonate	sodium dodecylbenzenesulfonate	40-50%	25155-30-0
citric acid	citric acid	10-20%	77-92-9
sodium carbonate	sodium carbonate	5-10%	497-19-8
sodium hydrogencarbonate	sodium bicarbonate	5-10%	144-55-8
disodium metasilicate	disodium metasilicate	<2%	6834-92-0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

**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 and hence require reporting in this section.**

## Section 4. First aid measures

### Description of necessary first aid measures

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<b>Eye contact</b>	: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.	No known effect after eye contact. Rinse with water for a few minutes. If irritation persists, get medical attention.
<b>Inhalation</b>	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	No special measures required. Treat symptomatically.
<b>Skin contact</b>	: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.	No known effect after skin contact.
<b>Ingestion</b>	: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention. If necessary, call a poison center or physician. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.	Get medical attention if symptoms occur.

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

<b>Eye contact</b>	: Causes serious eye irritation.
<b>Inhalation</b>	: May cause respiratory irritation.
<b>Skin contact</b>	: Causes skin irritation.
<b>Ingestion</b>	: Harmful if swallowed. Irritating to mouth, throat and stomach.

## Section 4. First aid measures

### Over-exposure signs/symptoms

- Product as SOLD**
- Eye contact** : Adverse symptoms may include the following:  
pain or irritation  
watering  
redness
- Inhalation** : Adverse symptoms may include the following:  
respiratory tract irritation  
coughing
- Skin contact** : Adverse symptoms may include the following:  
irritation  
redness
- Ingestion** : No specific data.

**Product AT USE DILUTION**  
No known adverse symptoms.

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

- 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 shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

Treat symptomatically. No special measures required.

See toxicological information (Section 11)

## Section 5. Fire-fighting measures

- Suitable extinguishing media** : Use an extinguishing agent suitable for the surrounding fire.
- Unsuitable extinguishing media** : Do not use water jet.
- Specific hazards arising from the chemical** : Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:  
carbon dioxide  
carbon monoxide  
sulfur oxides  
metal oxide/oxides
- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
- Special protective equipment and precautions for firefighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

<b>For non-emergency personnel</b>	<b>Product as SOLD</b> : 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. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.	<b>Product AT USE DILUTION</b> Use personal protective equipment as required. Avoid contact of large amounts of spilled material and run off with soil and surface waterways. Use a water rinse for final clean-up.  Discharge collected material per Section 13 of the SDS.  Avoid discharge into storm water drains, water courses, or onto the ground.
<b>For emergency responders</b>	<b>Product as SOLD</b> : If specialized 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 nonemergency personnel".	
<b>Environmental precautions</b>	<b>Product as SOLD</b> : 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). Water polluting material. May be harmful to the environment if released in large quantities.	

### Methods and materials for containment and cleaning up

<b>Small spill</b>	<b>Product as SOLD</b> : Move containers from spill area. Avoid dust generation. Using a vacuum with HEPA filter will reduce dust dispersal. Place spilled material in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor.	<b>Product AT USE DILUTION</b> Small Spills: Wipe up with absorbent material.  Large Spills: Flush area with water. Prevent entry into waterways. Discharge collected material per Section 13 of the SDS.
<b>Large spill</b>	<b>Product as SOLD</b> : Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.	

## Section 7. Handling and storage

### Precautions for safe handling

<b>Protective measures</b>	<b>Product as SOLD</b> : Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid release to the environment. Use only	<b>Product AT USE DILUTION</b> Wash hands thoroughly after handling.
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<p><b>Advice on general occupational hygiene</b></p>	<p>with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container. Do not mix with other chemicals or cleaning agents.</p>	<p>Keep out of reach of children.</p>
<p><b>Conditions for safe storage, including any incompatibilities</b></p>	<p>: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.</p> <p>: Store in accordance with local regulations. 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. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers.</p> <p>Use appropriate containment to avoid environmental contamination. Keep from freezing.</p>	<p>Not applicable.</p>

## Section 8. Exposure controls/personal protection

### Control parameters

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<p><b>Occupational exposure limits</b></p>	<p>: No exposure limits noted for ingredient(s).</p>	<p>No exposure limits noted for ingredient(s).</p>
<p><b>Appropriate engineering controls</b></p>	<p>: Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.</p>	<p>No ventilation required.</p>

## Section 8. Exposure controls/personal protection

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<p><b>Environmental exposure controls</b></p>	<p>: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.</p>	<p>None.</p>

## Individual protection measures, such as personal protective equipment

		Product as SOLD	Product AT USE DILUTION
<b>Hygiene measures</b>	:	Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.	None required.
<b>Eye/face protection</b>	:	Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: safety glasses with side shields.	No protective equipment is needed under normal conditions.
<b>Skin protection</b>			
<b>Hand protection</b>	:	Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated. Recommended: Neoprene gloves. Rubber gloves.	No protective equipment is needed under normal conditions.
<b>Body protection</b>	:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	

## Section 8. Exposure controls/personal protection

		Product as SOLD	Product AT USE DILUTION
<b>Other skin protection</b>	:	Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.	No protective equipment is needed under normal conditions.
<b>Respiratory protection</b>	:	Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure	No protective equipment is needed under normal conditions.

levels, the hazards of the product and the safe working limits of the selected respirator.

## Section 9. Physical and chemical properties

### Appearance

	Product as SOLD	Product AT USE DILUTION
<b>Physical state</b>	: Solid. [Granular solid.]	Clear
<b>Color</b>	: Blue.	Light blue.
<b>Odor</b>	: Wintergreen.	Wintergreen
<b>Odor threshold</b>	: Not available.	Not available.
<b>pH</b>	: Not applicable.	7.5 to 8.5 [Conc. (% w/w): 1%]
<b>Melting point</b>	: Not available.	Not available.
<b>Boiling point</b>	: Not applicable.	212 °F (100 °C)
<b>Flash point</b>	: >93.333°C (>200°F)	
<b>Evaporation rate</b>	: Not applicable.	Not available.
<b>Flammability (solid, gas)</b>	: Not applicable.	Not applicable.
<b>Lower and upper explosive (flammable) limits</b>	: Not available.	Not available.
<b>Vapor pressure</b>	: Not available.	<0.013 kPa (<0.1 mm Hg)
<b>Vapor density</b>	: Not available.	Not available.
<b>Relative density</b>	: 56.9 lbs/ft <sup>3</sup> [Bulk density]	1.00
<b>Solubility</b>	: Easily soluble in the following materials: cold water and hot water.	Complete
<b>Solubility in water</b>	: Not available.	
<b>Partition coefficient: n-octanol/water</b>	: Not available.	
<b>Auto-ignition temperature</b>	: Not available.	Not available.
<b>Decomposition temperature</b>	: Not available.	Not available.
<b>SADT</b>	: <100 mPa·s (<100 cP)	<100 mPa·s (<100 cP)
<b>Viscosity</b>	: Not available.	
<b>SADT</b>	: Not available.	

## Section 10. Stability and reactivity

	Product as SOLD
<b>Reactivity</b>	: No specific test data related to reactivity available for this product or its ingredients.
<b>Chemical stability</b>	: The product is stable.
<b>Possibility of hazardous reactions</b>	: Under normal conditions of storage and use, hazardous reactions will not occur.  Under normal conditions of storage and use, hazardous polymerization will not occur.
<b>Conditions to avoid</b>	: Keep from freezing. Keep away from extreme heat.
<b>Incompatible materials</b>	: No specific data.
<b>Hazardous decomposition products</b>	: Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## Section 11. Toxicological information

### Information on toxicological effects

**Acute toxicity** : Calculated Oral LD50 29,411 mg/kg

Product/ingredient name	Result	Species	Dose	Exposure
Sodium dodecylbenzenesulfonate	LD50 Oral	Rat	438 mg/kg	-
citric acid	LD50 Oral	Rat	3 g/kg	-
sodium carbonate	LD50 Oral	Rat	4090 mg/kg	-
sodium hydrogencarbonate	LD50 Oral	Rat	4220 mg/kg	-
disodium metasilicate	LD50 Oral	Rat	1153 mg/kg	-

### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
Sodium dodecylbenzenesulfonate	Eyes - Severe irritant	Rabbit	-	24 hours 250 Micrograms	-
	Eyes - Severe irritant	Rabbit	-	1 Percent	-
	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
citric acid	Eyes - Severe irritant	Rabbit	-	24 hours 750 Micrograms	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Skin - Moderate irritant	Rabbit	-	0.5 Milliliters	-
sodium carbonate	Eyes - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Eyes - Severe irritant	Rabbit	-	50 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
sodium hydrogencarbonate	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 milligrams	-
	Skin - Mild irritant	Human	-	72 hours 30 milligrams Intermittent	-
disodium metasilicate	Skin - Moderate irritant	Guinea pig	-	24 hours 250 milligrams	-
	Skin - Severe irritant	Rabbit	-	24 hours 250 milligrams	-

## Section 11. Toxicological information

	Product as SOLD	Product AT USE DILUTION
<a href="#">Sensitization</a>	: Not available.	Not available.
<a href="#">Mutagenicity</a>	: Not available.	Not available.
<a href="#">Carcinogenicity</a>	: Not available.	Not available.
<a href="#">Reproductive toxicity</a>	: Not available.	Not available.
<a href="#">Teratogenicity</a>	: Not available.	Not available.

### [Specific target organ toxicity \(single exposure\)](#)

Name	Category	Route of exposure	Target organs
Sodium dodecylbenzenesulfonate	Category 3	Not applicable.	Respiratory tract irritation
citric acid	Category 3	Not applicable.	Respiratory tract irritation

disodium metasilicate

Category 3

Not applicable.

Respiratory tract irritation

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<b><u>Specific target organ toxicity (repeated exposure)</u></b>	: Not available.	Not available.
<b><u>Aspiration hazard</u></b>	: Not available.	No known significant effects or critical hazards. Not available.
<b><u>Information on the likely routes of exposure</u></b>	: Routes of entry anticipated: Oral, Dermal, Inhalation.	Not available.
<b><u>Potential acute health effects</u></b>		
<b><u>Eye contact</u></b>	: Causes serious eye irritation.	Not available.
<b><u>Inhalation</u></b>	: May cause respiratory irritation.	Not available.
<b><u>Skin contact</u></b>	: Causes skin irritation.	Not available.
<b><u>Ingestion</u></b>	: Harmful if swallowed. Irritating to mouth, throat and stomach.	Not available.
<b><u>Symptoms related to the physical, chemical and toxicological characteristics</u></b>		
<b><u>Eye contact</u></b>	: Adverse symptoms may include the following: irritation watering redness	No known significant effects or critical hazards.
<b><u>Inhalation</u></b>	: Adverse symptoms may include the following: respiratory tract irritation coughing	Not available.
<b><u>Skin contact</u></b>	: Adverse symptoms may include the following: irritation redness	No known significant effects or critical hazards.
<b><u>Ingestion</u></b>	: No specific data.	No known significant effects or critical hazards.
<b><u>Delayed and immediate effects and also chronic effects from short and long term exposure</u></b>		
<b><u>Short term exposure</u></b>		
<b><u>Potential immediate effects</u></b>	: Not available.	Not available.
<b><u>Potential delayed effects</u></b>	: Not available.	Not available.

## Section 11. Toxicological information

### Long term exposure

	<b>Product as SOLD</b>	<b>Product AT USE DILUTION</b>
<b><u>Potential immediate effects</u></b>	: Not available.	Not available.
<b><u>Potential delayed effects</u></b>	: Not available.	Not available.
<b><u>Potential chronic health effects</u></b>		
<b><u>General</u></b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
<b><u>Carcinogenicity</u></b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.
<b><u>Mutagenicity</u></b>	: No known significant effects or critical hazards.	No known significant effects or critical hazards.

**Teratogenicity** : No known significant effects or critical hazards.

**Developmental effects** : No known significant effects or critical hazards.

**Fertility effects** : No known significant effects or critical hazards.

### Numerical measures of toxicity

#### Acute toxicity estimates

Route	ATE value	Product AT USE DILUTION
Oral	689.5 mg/kg	Non-toxic at use-dilution.

## Section 12. Ecological information

### Toxicity

Product/ingredient name	Result	Species	Exposure
sodium dodecylbenzenesulfonate	Acute EC50 29000 µg/l Fresh water	Algae - Chlorella pyrenoidosa - Exponential growth phase	96 hours
	Acute EC50 7.81 mg/l Fresh water	Crustaceans – Ceriodaphnia dubia - Neonate	48 hours
	Acute EC50 5.88 ppm Fresh water	Daphnia - Daphnia magna	48 hours
	Acute IC50 112.4 mg/l	Algae - Pseudokirchneriella subcapitata - Exponential growth phase	72 hours
citric acid	Acute LC50 160000 µg/l Marine water	Crustaceans - Carcinus maenas - Adult	48 hours
sodium carbonate	Acute EC50 242000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 176000 µg/l Fresh water	Crustaceans - Amphipoda	48 hours
	Acute LC50 265000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 300000 µg/l Fresh water	Fish - Lepomis macrochirus	96 hours

## Section 12. Ecological information

Product/ingredient name	Result	Species	Exposure
sodium hydrogencarbonate	Acute EC50 650000 µg/l Fresh water	Algae - Navicula seminulum	96 hours
	Acute LC50 767.87 mg/l Marine water	Crustaceans – Americamysis bahia	48 hours
	Acute LC50 7550 ppm Fresh water	Fish - Gambusia affinis – Adult	96 hours
	Chronic NOEC 576 mg/l Fresh water	Daphnia - Daphnia magna - Neonate	3 weeks
disodium metasilicate	Acute EC50 33.53 mg/l Fresh water	Crustaceans – Ceriodaphnia dubia - Neonate	48 hours
	Acute LC50 2320 ppm Fresh water	Fish - Gambusia affinis - Adult	96 hours
	Chronic NOEC 160 mg/l Fresh water	Algae – Pseudokirchneriella subcapitata	72 hours

**Persistence and degradability** : No data is available on the degradability of this product.

**Bioaccumulative potential** : No data available.

Product/ingredient name	LogP <sub>ow</sub>	BCF	Potential
sodium dodecylbenzenesulfonate	1.96	-	low
citric acid	-1.8	-	low

### Mobility in soil

**Soil/water partition coefficient (K<sub>oc</sub>)** : Not available.

**Other adverse effects** : No known significant effects or critical hazards.

## Section 13. Disposal considerations

	Product as SOLD	Product AT USE DILUTION
<b>Disposal methods</b>	<p>: The generation of waste should be avoided or minimized wherever possible. 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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. 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 emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.</p>	<p>Diluted product can be flushed to sanitary sewer. Discard empty container in trash or recycle where facilities exist.</p>

## Section 14. Transport information

Product as SOLD

	DOT Classification	IMDG	IATA
<b>UN number</b>	Not regulated.	Not regulated.	Not regulated.
<b>UN proper shipping name</b>	Cleaning Compounds, NOI, powder	-	-
<b>Transport hazard class(es)</b>	-	-	-
<b>Packing group</b>	-	-	-
<b>Environmental hazards</b>	No.	No.	No.
<b>Additional information</b>	-	-	-

**Special precautions for user** : **Transport within user's premises:** 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.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** : Not available.

**Product AT USE DILUTION**  
Not intended for transport

## Section 15. Regulatory information

**U.S. Federal regulations**

**United States inventory (TSCA 8b):** All components are listed or exempted.

**Clean Water Act (CWA) 311:** sodium dodecylbenzenesulfonate

Product as SOLD

Product AT USE DILUTION

**Clean Air Act Section 112** : Not regulated.

**(b) Hazardous Air Pollutants (HAPs)**

**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.

Not regulated.

Not listed.

Not listed.

Not listed.

Not listed.

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

**Hazard categories** : Immediate Hazard - No  
Delayed Hazard - No  
Fire Hazard – No  
Pressure Hazard - No  
Reactivity Hazard - No

**SARA 302 Extremely hazardous substance** : No

**SARA 304 RQ** : Not applicable

Non-hazardous.

Not listed.

Not applicable

## Section 15. Regulatory information

### Product as SOLD

**SARA 311/312** : Immediate (acute) health hazard

### Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
sodium dodecylbenzenesulfonate	40-50	Yes.	No.	No.	Yes.	No.
citric acid	5-10	Yes.	No.	No.	Yes.	No.
sodium carbonate	5-10	No.	No.	No.	Yes.	No.
sodium hydrogencarbonate	5-10	No.	No.	No.	Yes.	No.
disodium metasilicate	<2	No.	No.	No.	Yes.	No.

### Product as SOLD

**SARA 313** : Not applicable

### State regulations

**Massachusetts** : The following components are listed:  
SODIUM DODECYLBENZENE SULFONATE;  
SODIUM SULFATE

**New York** : The following components are listed:  
Sodium dodecylbenzene sulfonate;  
Dodecylbenzene sulfonate

**New Jersey** : The following components are listed:  
SODIUM DODECYLBENZENE SULFONATE; BENZENESULFONIC ACID, DODECYL-, SODIUM SALT

**Pennsylvania** : The following components are listed:  
BENZENESULFONIC ACID, DODECYL-,SODIUM SALT;  
SODIUM SULFATE

**California Prop. 65** : None of the components are listed.

### Product AT USE DILUTION

### Product AT USE DILUTION

Not applicable.

### Product AT USE DILUTION

Not regulated.

Not regulated.

Not regulated.

Not regulated.

Country(s) or region	Inventory name	On inventory (yes/no)*
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

## Section 16. Other information

**SDS File Name** : WP10 Bug Blitzer SDS

**Design for the Environment Certified** : Yes

### History

**Date of issue/Date of revision** : 04/05/2023

**Date of previous issue** : 10/12/2017

**Version** : 1

**Prepared by** : HIS

**Key to abbreviations** :

- ATE = Acute Toxicity Estimate
- BCF = Bioconcentration Factor
- GHS = Globally Harmonized System of Classification and Labeling of Chemicals
- IATA = International Air Transport Association
- IBC = Intermediate Bulk Container
- IMDG = International Maritime Dangerous Goods
- LogPow = logarithm of the octanol/water partition coefficient
- MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
- UN = United Nations

**References** : HCS (U.S.A.)- Hazard Communication Standard  
International transport regulations

 Indicates information that has changed from previously issued version.

### Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.