



# SAFETY DATA SHEET

## 1. Identification

<b>Product Identifier</b>	<b>Super Break</b>	
<b>Other means of identification</b>	7205	
<b>Product code</b>		
<b>Recommended use</b>	Laundry break.	
<b>Recommended restrictions</b>	Professional use only.	
<b>Manufacturer information</b>		
<b>Company name</b>	<b>Chemical Universe, Inc.</b>	
<b>Address</b>	1133 Saline St. North Kansas City, MO 64116	
<b>Telephone</b>	(816) 471-3602	
<b>Fax</b>	(816) 474-3302	
<b>Emergency phone number</b>	PERS	(800) 633-8253
	24-hour Emergency	(800) 633-8253

## 2. Hazard(s) Identification

<b>Physical hazards</b>	Not classified.	
<b>Health hazards</b>	Acute toxicity, oral	Category 4
	Serious eye damage	Category 1
	Skin corrosion	Category 1A
<b>Environmental hazards</b>	Not classified.	
<b>OSHA defined hazards</b>	None.	
<b>Label elements</b>		



<b>Signal word</b>	<b>DANGER</b>
<b>Hazard statement</b>	Harmful if swallowed. Causes severe skin burns and eye damage.
<b>Precautionary statement</b>	
<b>Prevention</b>	Wash hands and exposed skin thoroughly after handling. Do not eat, drink, or smoke when using this product. Do not breathe dust or mists. Wear protective gloves/protective clothing/eye protection/face protection.
<b>Response</b>	<b>IF SWALLOWED:</b> Immediately call a poison center/doctor/medical professional. Specific treatment: see first aid instructions in section 4. Rinse mouth. Do NOT induce vomiting. <b>IF ON SKIN (or hair):</b> Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. <b>IF INHALED:</b> Remove person to fresh air and keep comfortable for breathing. <b>IF IN EYES:</b> Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
<b>Storage</b>	Store locked up.
<b>Disposal</b>	Dispose of contents/containers in accordance with local/regional/national/international regulations.
<b>Hazard(s) not otherwise classified (HNOC)</b>	None.



# SAFETY DATA SHEET

Supplemental information None.

## 3. Composition/information on ingredients

Mixture Component(s)		
Chemical name	CAS number	%
Sodium hydroxide	1310-73-2	30-40
Other components below reportable levels		25-75

## 4. First-aid measures

<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Remove contaminated clothing immediately and wash skin with soap and water. Neutralize burns with vinegar. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.
<b>Eye contact</b>	Rinse with water for at least 15 minutes. Remove contact lenses if present and easy to do so. Immediately call a physician or transport to hospital.
<b>Ingestion</b>	Rinse mouth. Get medical attention immediately. Do not induce vomiting.
<b>Most important symptoms/effects, acute and delayed</b>	Can cause serious eye damage. Can cause burning sensation in affected areas. Shortness of breath, respiratory tract irritation or damage. Blast It is extremely destructive to tissues of the mucous membranes and upper respiratory tract, eyes, and skin.
<b>Indication of immediate medical attention and special treatment needed</b>	Provide general support measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse. Use with extreme caution.

## 5. Fire-fighting measures

<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>Specific hazards arising from the chemical</b>	During fire, gases hazardous to health may be formed.
<b>Special protective equipment and precautions for firefighters</b>	Self-contained breathing apparatus and full protecting clothing must be worn in case of fire. This product is an alkaline corrosive. Use appropriate chemical-resistant protective clothing when working in direct contact. Strongly eactive to strong acids and hypochlorite solutions
<b>Fire-fighting equipment/instructions</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.
<b>General fire hazards</b>	No unusual fire or explosion hazards noted.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures</b>	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. Avoid inhalation of vapors or mists. Do not touch damaged containers or spilled materials 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.
<b>Methods and materials for containment and cleaning up</b>	This product is miscible in water.



# SAFETY DATA SHEET

Large spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Prevent entry into waterways, sewer, basements or confined areas. Following product recovery, flush area with water.

Small spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

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

## Environmental precautions

Avoid discharge into areas not consistent with package labeling.

## 7. Handling and storage

**Precautions for safe handling** Avoid breathing mist or vapor. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

**Conditions for safe storage, including any incompatibilities** Store in original tightly closed container. Store away from incompatible materials (see section 10 of the SDS).

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value
Sodium hydroxide	PEL	2 mg/m <sup>3</sup>

#### US ACGIH Threshold Limit Values

Components	Type	Value
Sodium hydroxide	STEL	2 mg/m <sup>3</sup>

**Biological limit values** No information.

**Appropriate engineering controls** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels to an acceptable level. It is recommended that users of this product perform a risk assessment to determine the appropriate personal protective equipment.

### Individual protection measures, such as personal protective equipment

**Eye/face protection** Avoid contact with eyes. Wear safety glasses with side shields (or goggles).

#### Skin protection

##### Hand protection

The use of gloves impervious to the specific material handled is advised to prevent skin contact. Users should check with manufacturers to confirm the breakthrough performance of their products. Suggested protective materials: Nitrile and PVC rubber.

##### Other

Depending on exposure and use conditions, additional protection may be necessary to prevent skin contact including use of items such as chemical-resistant boots, aprons, arm covers, hoods and chemical-resistant coveralls.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

#### General hygiene considerations

When using do not smoke or use chewing tobacco. 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. Contaminated work clothing should not be allowed out of the workplace.



## SAFETY DATA SHEET

### 9. Physical and chemical properties

<b>Appearance</b>	
Physical State	Liquid.
Color	Colorless to light amber.
Odor	Characteristic
Odor threshold	Not available.
pH	14
Melting/freezing point	Not available.
Initial boiling point and boiling range	>212°F (100°C) estimated.
Flash point	Not applicable.
Evaporation rate	Not available.
Flammability	Not available.
Flammability Limits	
Upper	Not available.
Lower	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Specific gravity (water=1)	1.42
Solubility in water	Soluble.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.

### 10. Stability and reactivity

<b>Reactivity</b>	This product is stable and non-reactive under normal conditions of use.
<b>Chemical stability</b>	Material is stable under normal conditions. Store in a cool dark place.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Conditions to avoid</b>	Avoid storage in elevated temperatures.
<b>Incompatible materials</b>	Bases, amines, metals. Product will generate heat when mixed with water.
<b>Hazardous decomposition products</b>	No hazardous decomposition products occur. In case of fire see section 5.

### 11. Toxicological information

<b>Information on likely routes of exposure</b>	
Ingestion	Do not ingest. Harmful if swallowed.
Inhalation	Do not inhale. May cause damage to the upper respiratory tract.
Skin contact	Causes severe skin burns. See section 8 for personal protection.
Eye contact	Causes serious eye damage. See section 8 for personal protection.
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Burning sensation, coughing, wheezing, shortness of breath. Blast It is extremely destructive to mucous membranes and upper respiratory tract, eyes, and skin.



# SAFETY DATA SHEET

Acute toxicity Harmful if swallowed.

Product Super Break (CAS mixture)		
Exposure Classification	Route and Species	LD <sub>50</sub>
Acute	Oral, rat	1,400 mg/kg estimated
*Estimates for product may be based on additional component data not shown		

Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/ irritation	Causes serious eye damage.
Respiratory sensitization	Not considered a respiratory sensitizer.
Skin sensitization	Not considered a skin sensitizer.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not considered a carcinogen.
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)	Not Listed.
Reproductive toxicity	No data available.
Specific target organ toxicity – single exposure	No data available.
Specific target organ toxicity – repeated exposure	No data available.
Aspiration hazard	No data available.

## 12. Ecological information

Ecotoxicity		
Product Super Break (CAS mixture)		
Aquatic Receptor	Species	Test Thresholds
Fish	Fathead minnow ( <i>Pimephales promelas</i> )	LC <sub>50</sub> = 129 mg/L estimated
Crustacea	Daphnia magna	EC <sub>50</sub> = 115 mg/L (estimated)
*Estimates for product may be based on additional component data not shown		

Persistence and degradability	No data available. Chemicals of this class are not expected to be persistent in an open, aerobic environment
Bio-accumulative potential	Not data available. Functional components are inorganic and are very unlikely to accumulate in biological systems
Partition coefficient n-octanol/water (log K <sub>ow</sub> )	Not available.
Mobility in soil	No data available. Listed components are inorganic and highly water-soluble. In aqueous medium, the listed chemical(s) will readily dissociate into ionic molecules that will be weakly adsorbed onto organic matter particles. These components are expected to exhibit moderate to high mobility in saturated and semi-saturated soils.
Other adverse effects	The pH of this product may cause it to harm aquatic life.

## 13. Disposal considerations

Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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. As packaged, this product may meet criteria defining RCRA corrosive (D002) hazardous wastes when disposed. (40 CFR Part 261, Subpart C). Before selecting disposal method, ensure that the waste materials have been properly assessed and, as necessary, tested to confirm regulatory status.

**Waste from residues/unused product** 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 contain product residue, follow label warnings even after container is emptied.

## 14. Transport information

### USDOT

<b>UN number</b>	UN1760
<b>UN proper shipping name</b>	Corrosive liquids, n.o.s. (Contains: Sodium hydroxide)
<b>Transport hazard class(es)</b>	
<b>Class</b>	8
<b>Subsidiary risk</b>	-
<b>Packaging group</b>	II
<b>Marine pollutant</b>	No
<b>Special precautions for user</b>	Read safety instructions, SDS, and emergency procedures before handling.
<b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b>	Not intended to be transported in bulk.
<b>DOT Placard/Label</b>	



## 15. Regulatory information

### US federal regulations

**SARA 302 Extremely hazardous substance** Not listed.

**SARA 304 Emergency release notification** Not listed.

#### SARA 311/312 Hazard Categories

Immediate Hazard - Yes

Delayed Hazard – No

Fire Hazard – No

Pressure Hazard – No

Reactivity Hazard – No

**SARA 313 (TRI reporting)** Not listed.

### California Proposition 65

#### California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to threshold determination and Safe Harbor notification (1/2019)

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

**Issue date** 6/16/2017  
**Revision date** 11/22/2019  
**Version #** 2  
**HMIS® ratings** Health: 3  
 Flammability: 0  
 Physical hazard: 1



**NFPA ratings** Health: 3  
 Flammability: 0  
 Instability: 1



**Disclaimer** The information provided in this Safety Data Sheet is correct to the best of our knowledge, and have been obtained from resources believed to be reliable. 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 related 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 by the text.

**Revision information** General format update; Refine composition table, amend physical data; Update toxicology thresholds and environmental fate information; Text clarification amendments Sections 5,6,8,9 and 12. PPE recommendation updated; California Proposition 65 notice; HMIS and NFPA pictograms added.