

## Material Safety Data Sheet

PRODUCT NAME **BREAK UP SC DILUTED**

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Supplier Name** JOHNSONDIVERSEY AUSTRALIA PTY LTD  
**Address** 29 Chifley St, Smithfield, NSW, AUSTRALIA, 2164  
**Telephone** (02) 9757 0300  
**Fax** (02) 9725 5767  
**Emergency** 1800 033 111 (24 hrs)  
**Email**  
**Web Site** <http://www.johnsondiversey.com>

**Synonym(s)** HH15403 BREAK UP SC DILUTED 4X1.89L  
**Use(s)** CLEANING AGENT

### 2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO NOHSC CRITERIA

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

<b>UN No.</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	None Allocated

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Formula	Conc.	CAS No.
POTASSIUM HYDROXIDE	K-O-H	<0.1%	1310-58-3
NON HAZARDOUS INGREDIENTS	Not Available	>60%	Not Available
ALKALINE SALTS	Not Available	<1%	Not Available
ANIONIC SURFACTANT	Not Available	<1%	Not Available
CHELATING AGENT	Not Available	<1%	Not Available
FOAM MODIFIER	Not Available	<1%	Not Available
SODIUM SILICATE	Na4SiO4	<0.1%	1344-09-8

### 4. FIRST AID MEASURES

**Eye** Hold eyelids apart and flush continuously with water. Continue until advised to stop by the Poisons Information Centre, a doctor, or for at least 15 minutes. Keep patient calm.

**Inhalation** Leave exposure area immediately. If assisting a victim avoid becoming a casualty, wear a Full-face Type B (Inorganic and acid gas) respirator or an Air-line respirator where an inhalation risk exists. If victim is not breathing apply artificial respiration and seek urgent medical attention.

**Skin** Remove contaminated clothing and gently flush affected areas with water. Continue to flush with water until skin no longer feels soapy. Seek medical attention. Launder clothing before reuse.

**Ingestion** DO NOT induce vomiting. Immediately wash out mouth with water, and then give water to drink. Seek medical attention.

**Advice to Doctor** Treat symptomatically

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**First Aid Facilities** Eye wash facilities and safety shower should be available.

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**5. FIRE FIGHTING MEASURES**

**Flammability** Non flammable. No fire or explosion hazard exists.

**Fire and Explosion** Non flammable. No fire or explosion hazard exists.

**Extinguishing** Non flammable. Prevent contamination of drains or waterways, absorb runoff with sand or similar.

**Hazchem Code** None

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**6. ACCIDENTAL RELEASE MEASURES**

**Spillage** If spilt, absorb with sand or similar. Wear splash-proof goggles and PVC/rubber gloves. For large amounts, wear coveralls and rubber boots. Collect and place in sealable containers for disposal. Caution: Spill site may be slippery.

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**7. STORAGE AND HANDLING**

**Storage** Store in cool, dry, well ventilated area, removed from direct sunlight, oxidising agents (eg. hypochlorites), acids and foodstuffs. Ensure containers are adequately labelled, protected from physical damage and sealed when not in use. Check regularly for leaks or spills. Keep from freezing.

**Handling** Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas (eg. if container is damaged).

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**8. EXPOSURE CONTROLS / PERSONAL PROTECTION**

**Ventilation** Use with adequate natural ventilation. Open windows and doors where possible. In poorly ventilated areas, mechanical extraction ventilation is recommended. Maintain vapour levels below the recommended exposure standard.

**Exposure Standards** POTASSIUM HYDROXIDE (1310-58-3)  
ES-TWA: 2 mg/m3 Potassium hydroxide  
WES-TWA: 2 mg/m3

**PPE** Wear splash-proof goggles and rubber or PVC gloves. When using large quantities or where heavy contamination is likely, wear coveralls.



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**9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	CLEAR PALE YELLOW LIQUID	<b>Solubility (water):</b>	SOLUBLE
<b>Odour:</b>	SLIGHT ODOUR	<b>Specific Gravity:</b>	1.0
<b>pH:</b>	11.0 - 11.5	<b>% Volatiles:</b>	NOT AVAILABLE
<b>Vapour Pressure:</b>	17 mm Hg @ 20 C	<b>Flammability:</b>	NON FLAMMABLE
<b>Vapour Density:</b>	NOT AVAILABLE	<b>Flash Point:</b>	NOT RELEVANT
<b>Boiling Point:</b>	100 C	<b>Upper Explosion Limit:</b>	NOT RELEVANT
<b>Melting Point:</b>	NOT AVAILABLE	<b>Lower Explosion Limit:</b>	NOT RELEVANT
<b>Evaporation Rate:</b>	NOT AVAILABLE	<b>Autoignition Temperature:</b>	NOT AVAILABLE
<b>Exposure Standard:</b>	2 mg/m3 Potassium hydroxide		

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## 10. STABILITY AND REACTIVITY

**Reactivity** Incompatible with oxidising agents (eg. peroxides) and acids (eg. hydrochloric acid).  
**Decomposition Products** May evolve toxic gases if heated to decomposition.

## 11. TOXICOLOGICAL INFORMATION

**Health Hazard Summary** This product has the potential to cause adverse health effects with eye contact or prolonged skin contact. Due to the low vapour pressure of this product an inhalation hazard is not anticipated with normal use. Use safe work practices to avoid direct eye or skin contact and vapour/ mist generation-inhalation.

**Eye** Exposure may result in lacrimation, pain, redness and possible corneal burns with prolonged contact.

**Inhalation** Over exposure may result in irritation of the nose & throat with coughing, nausea and headache. Low vapour pressure reduces the inhalation hazard.

**Skin** Prolonged and repeated contact may result in irritation, skin rash, dermatitis, blisters and burns.

**Ingestion** Ingestion may result in ulceration to the mouth and throat with nausea and vomiting.

**Toxicity Data** POTASSIUM HYDROXIDE (1310-58-3)  
LD50 (Ingestion): 273 mg/kg (rat)  
SODIUM SILICATE (1344-09-8)  
LD50 (Ingestion): 1100 mg/kg (mouse)

## 12. ECOLOGICAL INFORMATION

**Environment** WATER: If released to waterways, alkaline products may change the pH of the waterway. Fish will die if the pH reaches 10-11 (goldfish 10.9, bluegill 10.5). SOIL: May leach to groundwater with toxic effects on aquatic life as above. ATMOSPHERE: Not expected to reside in the atmosphere. Drops or particles released to atmosphere should be removed by gravity and/or be rained out.

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal** For small amounts absorb with sand, vermiculite or similar and dispose of to an approved landfill site. Contact the manufacturer for additional information if larger amounts are involved. Prevent contamination of drains and waterways as aquatic life may be threatened and environmental damage may result.

**Legislation** Dispose of in accordance with relevant local legislation.

## 14. TRANSPORT INFORMATION

<b>Shipping Name</b>	None Allocated				
<b>UN No.</b>	None Allocated	<b>Hazchem Code</b>	None Allocated	<b>Pkg Group</b>	None Allocated
<b>DG Class</b>	None Allocated	<b>Subsidiary Risk(s)</b>	None Allocated	<b>EPG</b>	None Allocated

## 15. REGULATORY INFORMATION

**Poison Schedule** A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP).

**AICS** All chemicals listed on the Australian Inventory of Chemical Substances (AICS).

## 16. OTHER INFORMATION

**Additional Information** ABBREVIATIONS:  
mg/m<sup>3</sup> - Milligrams per cubic metre  
ppm - Parts Per Million  
TWA/ES - Time Weighted Average or Exposure Standard.  
CNS - Central Nervous System  
NOS - Not Otherwise Specified  
pH - relates to hydrogen ion concentration - this value will relate to a scale of 0 - 14, where 0 is highly acidic and 14 is highly alkaline.  
CAS# - Chemical Abstract Service number - used to uniquely identify chemical compounds.  
M - moles per litre, a unit of concentration.  
IARC - International Agency for Research on Cancer.

### PERSONAL PROTECTIVE EQUIPMENT GUIDELINES:

The recommendation for protective equipment contained within this Chem Alert report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the

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availability of engineering controls should be considered before final selection of personal protective equipment is made.

**HEALTH EFFECTS FROM EXPOSURE:**

It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a Chem Alert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.

**Report Status**

This document has been compiled by RMT on behalf of the manufacturer of the product and serves as the manufacturer's Material Safety Data Sheet ('MSDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer.

While RMT has taken all due care to include accurate and up-to-date information in this MSDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this MSDS.

**Prepared By**

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**End of Report**