

# TECHNICAL DATA SHEET

## Sodium Bicarbonate

### 1. Supplier Information

JAK Water Systems Ltd, Unit 1 Scopwick Lodge, Scopwick Heath, Metheringham, Lincoln, LN4 3DL  
Telephone: 01526 322214  
Email: info@jakwater.co.uk

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Ingredient</u>	<u>Range (%)</u>	<u>CAS No</u>	<u>Class</u>	<u>Risk No.</u>	<u>EINECS</u>
Sodium Bicarbonate	99-100	144-55-8	-	-	205-633-8

### 3. HAZARDS IDENTIFICATION

Inhalation : Mild irritation of breathing passages  
Skin Contact : Mild irritation  
Eye Contact : Mild irritation  
Ingestion : Mild irritation of gastro-intestinal tract

### 4. FIRST AID MEASURES

Inhalation: Remove to fresh air. Rest. Keep warm. Seek medical attention if severe  
Skin Contact: Wash off with water. Remove contaminated clothing. Seek medical attention  
Eye Contact: Rinse out with water for at least 15 minutes. Seek medical attention if severe  
Ingestion: Rinse mouth and drink plenty of water. **DO NOT INDUCE VOMITING.**  
Medical Note: Symptomatic treatment

### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, carbon dioxide, dry chemical, alcohol extinguisher or foam.  
Specific Hazards: Carbon monoxide may be present.  
RPE/PPE: Wear self-contained breathing apparatus and full body protection.

### 6. ACCIDENTAL RELEASE MEASURES

Transport Emergency Action Stop Engine. Notify Police and Fire Services immediately.  
No naked lights. No smoking. Warn other road users.  
Keep public away from danger areas. Stay upwind.  
Wear personal protection including respirator. Avoid raising dust. Clear up into bags for disposal. Ventilate area and rinse area after completing clearance. Sweep into containers and retain for authorised disposal. Keep out of drains/sewers/water courses/vegetation.

### 7. HANDLING AND STORAGE

Storage: Store in a cool, dry, well-ventilated area away from other chemicals, out of reach of children and in container when not in use  
Wear personal protection including respirator/dust mask.  
Avoid contact with eyes or skin, avoid breathing dust. Do not take by mouth.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Monitor for dust. Exposure limits 10mg/m<sup>3</sup> total, 5mg/m<sup>3</sup> respirable dust for guidance  
Mechanical exhaust may be required. Chemical - resistant gloves, goggles, boots and clothing should be worn. Safety shower and eyewash bottles should be close to hand. Wash thoroughly after handling. Keep tightly closed. Respirator for dust may be required.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

Stable white powder decomposes when strongly heated to liberate carbon monoxide and carbon dioxide. Hardly soluble in water - 9.5% @ 25°C

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## 10. STABILITY AND REACTIVITY

Normally stable incompatible with strong oxidising agents and acids. Moisture sensitive. Carbon monoxide and carbon dioxide are products of combustion.

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## 11. TOXICOLOGICAL INFORMATION

Low oral toxicity but dust may irritate. May remove natural oils.  
Toxic Dose 1 – LD50 4220 mg/kg (oral rat)

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## 12. ECOLOGICAL INFORMATION

Not known to harm in normal quantities. Practically non-toxic to fish LC50 96 hrs, FISH mg/l

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## 13. DISPOSAL CONSIDERATIONS

Use only licensed waste hauliers and disposal contractors, in accordance with Waste Disposal Regulations. In doubt, consult Local Authorities.

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## 14. TRANSPORT INFORMATION

### NOT REGULATED FOR TRANSPORT

S.I. Number	:UN
Conveyance Classification	:-
Packaging Group	:-
ADR Classification	:-
ADR HIN	:-
IMCO Class	:-
IMCO Sub-Risk	:-
Hazchem Code	:-
Tremcard Number	:-
IMDG Page Number	:-
Marine Pollutant	:-
Air Transport	:-

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## 15. REGULATORY INFORMATION

Primary Risks	:None designated
Secondary Risks	:None designated
Label Risk Phrases	:None designated
Label Safety Phrases	:None designated
CAS Number	:144-55-8
EINICS Number	:205-633-8
Customs Tariff	:None designated
UK Customs Number	:23301
EMS Number	:None designated
MFAG Number	:None designated
CHIP Index Number	:None designated

Recipients of the Material Safety Data Sheet must make their own assessment of workplace risk as required by other Health and Safety legislation.

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## 16. OTHER INFORMATION

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