SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006

SODIUM SESQUICARBONATE (CREX)

Version 2.0 | Print Date 2011/11/16

Revision Date 2011/11/16 | **MSDS code: MSSC001**

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name : SODIUM SESQUICARBONATE (CREX)

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

Use of the Substance/Mixture : At this time we do not yet have information on identified uses. They will be included in this safety data sheet when available.

Uses advised against : At this moment we have not identified any uses advised against

1.3. Details of the supplier of the safety data sheet

Company : Brenntag UK & Ireland
Albion House, Rawdon Park
GB LS19 7XX Leeds Yeadon
Telephone : 0113 3879 200
Telefax : 0113 3879 280
E-mail address : msds@brenntag.co.uk

1.4. Emergency telephone number

Emergency telephone number : Emergency only telephone number (open 24 hours): 01865 407333 (N.C.E.C. Culham)

2. Hazards identification

2.1. Classification of the substance or mixture

Classification according to EU Directives 67/548/EEC or 1999/45/EC

1999/45/EC
Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.

Most important adverse effects

Human Health : See section 11 for toxicological information.

Physical and chemical hazards : See section 9 for physicochemical information. See section 12 for environmental information.

Potential environmental effects : See section 12 for environmental information. No further information available.

2.2. Label elements

Labelling according to EC Directives 67/548/EEC or 1999/45/EC

Additional Labelling:

Safety data sheet available on request for professional users.

Other labelling information:

Further information : Handle in accordance with good industrial hygiene and safety practice.

2.3. Other hazards

For Results of PBT and vPvB assessment see section 12.5.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. Composition/information on ingredients

3.2. Mixtures

Hazardous components	Amount [%]	Classification (REGULATION (EC) No 1272/2008) Hazard class / Hazard category	Hazard statements	Classification (67/548/EEC)
sodium carbonate Index-No. : 011-005-00-2 CAS-No. : 497-19-8 EC-No. : 207-838-8 C&L-No. : 02-2119752462-40-0000	10	Eye Irrit.2	H319	Xi; R36

Remarks : No dangerous ingredients according to Regulation (EC) No. 1907/2006

For the full text of the R-phrases mentioned in this Section, see Section 16.
For the full text of the H-Statements mentioned in this Section, see Section 16.

Non-hazardous component

Chemical Name	Identification Number		Amount [%]
Trisodium hydrogendicarbonate	CAS-No. EC-No.	: :	533-96-0 208-580-9	> 80
Sodium hydrogencarbonate	CAS-No. EC-No. C&L-No.	: : :	144-55-8 205-633-8 02-2119752794-27-0000	6

4. First aid measures

4.1. Description of first aid measures

General advice : No special precautions required.

If inhaled : Remove to fresh air. Keep at rest. If symptoms persist, call a physician.

In case of skin contact : Wash off with soap and water. If skin irritation persists, call a physician.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes. Remove contact lenses. Seek medical advice.

If swallowed : Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician. Do NOT induce vomiting.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms : No further information available.

Effects : No further information available.

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

Treatment : Treat symptomatically.
No further information available.

5. Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing : No information available.

media

5.2. Special hazards arising from the substance or mixture

Specific hazards during firefighting	:	Under fire conditions: Carbon monoxide, Carbon dioxide (CO2)

5.3. Advice for firefighters

Special protective equipment for firefighters	:	In the event of fire, wear self-contained breathing apparatus.Wear personal protective equipment.
Further information	:	Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	:	Use personal protective equipment. Avoid contact with skin and eyes. For personal protection see section 8. Avoid dust formation.

6.2. Environmental precautions

Environmental precautions	:	Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

6.3. Methods and materials for containment and cleaning up

Methods and materials for containment and cleaning up	:	Use mechanical handling equipment. Keep in suitable, closed containers for disposal. Avoid dust formation. Sweep up or vacuum up spillage and collect in suitable container for disposal.
Further information	:	Treat recovered material as described in the section "Disposal considerations".

6.4. Reference to other sections

For personal protection see section 8.

7. Handling and storage

7.1. Precautions for safe handling

Advice on safe handling	:	Keep container tightly closed. Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation. For personal protection see section 8.
Hygiene measures	:	Keep away from food, drink and animal feedingstuffs. Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and at the end of workday. Provide adequate ventilation. Avoid contact with the skin and the eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	:	Keep only in the original container. Keep in a dry, cool and well-ventilated place. Keep away from acids.
Advice on protection against fire and explosion	:	Normal measures for preventive fire protection.
Further information on storage conditions	:	Keep tightly closed in a dry and cool place. Keep away from heat. Protect from frost.
Advice on common storage	:	Keep away from food, drink and animal feedingstuffs.

7.3. Specific end uses

Specific use(s)	:	No information available.

8. Exposure controls/personal protection

8.1. Control parameters

Other Occupational Exposure Limit Values

(Additional) Information	:	Contains no substances with occupational exposure limit values.

Component:

Other Occupational Exposure Limit Values

EH40 WEL, Time Weighted Average (TWA):, Inhalable dust.
10 mg/m3, 8 h

EH40 WEL, Time Weighted Average (TWA):, Respirable dust
4 mg/m3, 8 h

8.2. Exposure controls

Engineering measures
Ensure adequate ventilation.

Personal protective equipment
Respiratory protection

Advice	:	Required if dust is released Dust-mask Half mask with a particle filter P2 (EN 143).

Hand protection

Advice	:	Protective gloves

Eye protection

Advice	:	Safety goggles

Skin and body protection

Advice	:	Protective work clothing

Environmental exposure controls

General advice	:	Do not flush into surface water or sanitary sewer system. Local authorities should be advised if significant spillages cannot be contained.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	:	Crystalline powder
Colour	:	white
Odour	:	Currently we do not have any Information from our supplier about this.
Odour Threshold	:	Currently we do not have any Information from our

		supplier about this.
pH	:	9.6
Freezing point	:	Currently we do not have any Information from our supplier about this.
Boiling point	:	Currently we do not have any Information from our supplier about this.
Flash point	:	Currently we do not have any Information from our supplier about this.
Evaporation rate	:	Currently we do not have any Information from our supplier about this.
Flammability (solid, gas)	:	Currently we do not have any Information from our supplier about this.
Upper explosion limit	:	Currently we do not have any Information from our supplier about this.
Lower explosion limit	:	Currently we do not have any Information from our supplier about this.
Vapour pressure	:	Currently we do not have any Information from our supplier about this.
Relative vapour density	:	Currently we do not have any Information from our supplier about this.
Relative density	:	2.36 (20 °C)
Water solubility	:	213.6 g/l (20 °C)
Partition coefficient: n-octanol/water	:	Currently we do not have any Information from our supplier about this.
Ignition temperature	:	Currently we do not have any Information from our supplier about this.
Thermal decomposition	:	Currently we do not have any Information from our supplier about this.
Viscosity, dynamic	:	Currently we do not have any Information from our supplier about this.
Explosivity	:	Currently we do not have any Information from our

supplier about this.

Oxidizing properties : Currently we do not have any Information from our supplier about this.

9.2. Other information

No further information available.

10. Stability and reactivity

10.1. Reactivity

Advice : No information available.

10.2. Chemical stability

Advice : Stable under recommended storage conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions : No information available.

10.4. Conditions to avoid

Conditions to avoid : WaterDecomposes on heating.

10.5. Incompatible materials

Materials to avoid : No information available.

10.6. Hazardous decomposition products

Hazardous decomposition products : No information available.

11. Toxicological information

11.1. Information on toxicological effects

Acute toxicity		
Oral		
LD50	:	> 4000 mg/kg (rat)

Irritation		
Skin		
Result	:	No skin irritation
Eyes		
Result	:	No eye irritation
Sensitisation		
Result	:	No sensitizing effect known.
Further information		
Other relevant toxicity information	:	Handle in accordance with good industrial hygiene and safety practice.
Experience with human exposure	:	Health injuries are not known or expected under normal use.

12. Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

Additional ecological information		
Result	:	Do not flush into surface water or sanitary sewer system. Avoid subsoil penetration.

13. Disposal considerations

13.1. Waste treatment methods

Product	:	Disposal together with normal waste is not allowed. Special disposal required according to local regulations. Do not let product enter drains. Contact waste disposal services.
Contaminated packaging	:	Empty contaminated packagings thoroughly. They can be recycled after thorough and proper cleaning. Packagings that cannot be cleaned are to be disposed of in the same manner as the product.
European Waste Catalogue Number	:	No waste code according to the European Waste Catalogue can be assigned for this product, as the intended use dictates the assignment. The waste code is established in consultation with the regional waste disposer.

14. Transport information

Not dangerous goods for ADR, RID and IMDG.

14.1. UN number

Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Not applicable.

14.4. Packaging group

Not applicable.

14.5. Environmental hazards

Not applicable.

14.6. Special precautions for user

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

IMDG : Not applicable.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

15.2. Chemical Safety Assessment

Currently we do not have any Information from our supplier about this.

16. Other information

Full text of R-phrases referred to under sections 2 and 3.

R36	Irritating to eyes.

Full text of H-Statements referred to under sections 2 and 3.

H319	Causes serious eye irritation.

Further information

Other information	:	The information provided in this Safety Data Sheet is correct to our knowledge at the date of its revision. The information given only describes the products with regard to safety arrangements and is not to be considered as a warranty or quality specification and does not constitute a legal relationship. The information contained in this Safety Data Sheet relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

|| Indicates updated section.