

## Material Safety Data Sheet in accordance with Directive 91/155/EEC

### 1. Identification of the substance/preparation and of the company/undertaking

Trade name: 1000 ppm Carbon Dioxide Standard  
Product number: ISC51  
Company: Consort bvba, Parklaan 36, B-2300 Turnhout  
Date effective: 01.01.11

### 2. Composition/information on ingredients

This product is a preparation and does not require a hazard warning label in accordance with EC directives on dangerous substances.

### 3. Hazard possibilities

No special hazards have to be mentioned.

### 4. First aid measures

after inhalation: Ensure supply of fresh air.  
after contact with skin: In case of contact with skin wash off with water.  
after contact with eyes: In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.  
after ingestion: In the event of symptoms call a physician.  
Additional information: None.

### 5. Fire-fighting measures

Suitable extinguishing media: Water spray jet, carbon dioxide, dry powder, foam.  
Extinguishing media which must not be used for safety reasons: Full water jet.  
Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases: In the event of fire the following can be released: irritant gases/vapours.  
Additional information: Do not inhale explosion and/or combustion gases. Use breathing apparatus. Cool endangered containers with water spray jet.

### 6. Accidental release measures

Pick up with absorbent material and dispose of in accordance with the regulations.

### 7. Handling and storage

Handling: No special measures necessary if used correctly.  
Storage: Keep container tightly closed. Recommended storage temperature: keep cool (max. 25°C).

### 8. Exposure controls / personal protection

Additional advice on system design: None.  
Ingredients with occupational exposure limits to be monitored: None.  
Respiratory protection: n.ap.  
Hand protection: Protective gloves.  
Eye protection: Safety glasses.  
Body protection: Light protective clothing.  
General protective measures and hygiene measures: Avoid contact with eyes and skin. Change soaked clothing. At work do not eat, drink, smoke.  
Wash hands before breaks and after work.

### 9. Physical and chemical properties

|  |                                      |                              |
|--|--------------------------------------|------------------------------|
| Boiling point / boiling range (°C): +100     | Melting point (°C): 0                | Thermal decomposition: n.av. |
| Flash point (°C), c.c.: n.ap.                | Ignition temperature (°C): n.ap.     | Lower explosion limit: n.ap. |
| Upper explosion limit: n.ap.                 | Relative density / bulk density: 1.0 | Solubility in water: soluble |
| CAS no.: 144-55-8, Sodium Bicarbonate: 0.08% |                                      |                              |
| CAS no.: 7732-18-5, Water: 99.92%            |                                      |                              |
| pH: 8-8.5                                    |                                      |                              |

### 10. Stability and reactivity

No hazardous reactions known.  
Hazardous decomposition products: irritant gases/vapours.

### 11. Toxicological information

Irritating effects on the skin, eyes and mucous membrane possible.

### 12. Ecological information

Ecological data are not available.

### 13. Disposal considerations

Recommendation: Consultation with the disposal agency and the relevant authorities necessary.  
Waste code: n.av.  
Name of waste: n.av.

### 14. Transport information

Road transport ADR / RID / GGVS / GGVE: n.ap.  
Marine / air transport / IMDG-Code / IATA-DGR: n.ap.

### 15. Regulatory information

Labelling in accordance with Directive EEC  
Symbols of danger: n.ap.  
Indications of danger: n.ap.  
Hazardous components to be indicated on label: n.ap.  
Special labelling for certain preparations: n.ap.  
Remarks: Does not require a hazard warning label, but the normal safety precautions for handling of chemicals must be observed.  
Water hazard class: 0 (self-classification)

### 16. Other information

Recommended use laboratory chemical  
Distribution for industry consumer, for the general public

*n.ap. = not applicable, n.av. = not available*

*This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products as described or their suitability for a particular application.*