DISTRIBUTED BY: RAINBOW TECHNOLOGY
800.637.6047 OR 205.733.0333
RTC PRODUCT NO. 7097
005 06/04/04 SODIUM BICARBONATE

PRODUCT NAME: SODIUM BICARBONATE
MSDS NUMBER: MB2954
SUPERSEDES: 1/6/2002
ISSUED BY: 008614

SODIUM BICARBONATE

1. PRODUCT IDENTIFICATION
SYNONYMS: SODIUM HYDROGEN CARBONATE; SODIUM ACID CARBONATE; BAKING SODA; BICARBONATE OF SODA
CAS NO: 144-55-8
MOLECULAR WEIGHT: 84.01
CHEMICAL FORMULA: NaHCO3
Distributed by:
Univar USA Inc.
6100 Carillon Point
Kirkland, WA 98033
425-809-3400

2. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
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<tr>
<th>INGREDIENT</th>
<th>CAS NO</th>
<th>PERCENT</th>
<th>HAZARDOUS</th>
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<td>144-55-8</td>
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3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW

AS PART OF GOOD INDUSTRIAL AND PERSONAL HYGIENE AND SAFETY PROCEDURE, AVOID ALL UNNECESSARY EXPOSURE TO THE CHEMICAL SUBSTANCE AND ENSURE PROMPT REMOVAL FROM SKIN, EYES AND CLOTHING.

POTENTIAL HEALTH EFFECTS

INHALATION:
HIGH CONCENTRATIONS OF DUST MAY CAUSE COUGHING AND SNEEZING.

INGESTION:
EXTREMELY LARGE ORAL DOSES MAY CAUSE GASTROINTESTINAL DISTURBANCES.

SKIN CONTACT:
NO ADVERSE EFFECTS EXPECTED.

EYE CONTACT:
CONTACT MAY CAUSE MILD IRRITATION, REDNESS, AND PAIN.

CHRONIC EXPOSURE:
NO INFORMATION FOUND.

AGGRAVATION OF PRE-EXISTING CONDITIONS:
NO INFORMATION FOUND.

4. FIRST AID MEASURES

INHALATION:
REMOVE TO FRESH AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

INGESTION:
GIVE SEVERAL GLASSES OF WATER TO DRINK TO DILUTE. IF LARGE AMOUNTS WERE
SWALLOWED, GET MEDICAL ADVICE.

SKIN CONTACT:
NOT EXPECTED TO REQUIRE FIRST AID MEASURES.

EYE CONTACT:
RINSE THOROUGHLY WITH RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION
DEVELOPS.

5. FIRE FIGHTING MEASURES

FIRE:
NOT CONSIDERED TO BE A FIRE HAZARD.

EXPLOSION:
NOT CONSIDERED TO BE AN EXPLOSION HAZARD.

FIRE EXTINGUISHING MEDIA:
USE ANY MEANS SUITABLE FOR EXTINGUISHING SURROUNDING FIRE.

SPECIAL INFORMATION:
USE PROTECTIVE CLOTHING AND BREATHING EQUIPMENT APPROPRIATE FOR THE
SURROUNDING FIRE.

6. ACCIDENTAL RELEASE MEASURES

VENTILATE AREA OF LEAK OR SPILL. WEAR APPROPRIATE PERSONAL PROTECTIVE
EQUIPMENT AS SPECIFIED IN SECTION 8. SPILLS: SQUEEZE UP AND CONTAINERIZE FOR
RECLAMATION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO AVOID
DUST DISPERAL. SMALL AMOUNTS OF RESIDUE MAY BE FLUSHED TO SEWER WITH
PLENTY OF WATER.

7. HANDLING AND STORAGE

KEEP IN A WELL CLOSED CONTAINER STORED UNDER COLD TO WARM CONDITIONS, 2 TO
40 C, (36 TO 104°F). PROTECT AGAINST PHYSICAL DAMAGE. CONTAINERS OF THIS
MATERIAL MAY BE HAZARDOUS WHEN EMPTY SINCE THEY RETAIN PRODUCT RESIDUES
(DUST, SOLIDS); OBSERVE ALL WARNINGS AND PRECAUTIONS LISTED FOR THE
PRODUCT.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

AIRBORNE EXPOSURE LIMITS:
NONE ESTABLISHED.

VENTILATION SYSTEM:
IN GENERAL, DILUTION VENTILATION IS A SATISFACTORY HEALTH HAZARD CONTROL
FOR THIS SUBSTANCE, HOWEVER, IF CONDITIONS OF USE CREATE DISCOMFORT TO THE WORKER, A LOCAL EXHAUST SYSTEM SHOULD BE CONSIDERED.

PERSONAL RESPIRATORS (NIOSH APPROVED):
FOR CONDITIONS OF USE WHERE EXPOSURE TO DUST OR MIST IS APPARENT AND ENGINEERING CONTROLS ARE NOT FEASIBLE, A PARTICULATE RESPIRATOR (NIOSH TYPE R OR P FILTERS) MAY BE USED. IF OIL PARTICLES (E.G. LUBRICANTS, CUTTING FLUIDS, GLYCERINE, ETC.) ARE PRESENT, USE A NIOHS TYPE R OR P FILTER. FOR EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT KNOWN, USE A FULL-FACE POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR.
WARNING: AIR-FILTERING RESPIRATORS DO NOT PROTECT WORKERS IN OXYGEN-DEFICIENT ATMOSPHERES.

SKIN PROTECTION:
WEAR PROTECTIVE GLOVES AND CLEAN BODY-COVERING CLOTHING.

EYE PROTECTION:
USE CHEMICAL SAFETY GOGGLES. MAINTAIN EYE WASH FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:
WHITE CRYSTALLINE POWDER.

ODOR:
ODORLESS.

SOLUBILITY:
7.8g/100g WATER @ 18C (64F).

DENSITY:
2.2

PH:
8.3 (0.1 MOLAR @ 25C (77F))

% VOLATILES BY VOLUME @ 21C (70F):
0

10. STABILITY AND REACTIVITY

STABILITY:
STABLE UNDER ORDINARY CONDITIONS OF USE AND STORAGE.

HAZARDOUS DECOMPOSITION PRODUCTS:
GASEOUS CARBON DIOXIDE.

HAZARDOUS POLYMERIZATION:
WILL NOT OCCUR.

INCOMPATIBILITIES:
REACTS WITH ACIDS TO FORM CARBON DIOXIDE. DANGEROUS REACTION WITH MONOAMMONIUM PHOSPHATE OR A SODIUM-POTASSIUM ALLOY.

CONDITIONS TO AVOID:
HEAT, MOISTURE, INCOMPATIBLES.

11. TOXICOLOGICAL INFORMATION
### 12. Ecological Information

**Environmental Fate:**
No information found.

**Environmental Toxicity:**
No information found.

### 13. Disposal Considerations

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations.

Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14. Transport Information

Not regulated.

### 15. Regulatory Information

/Chemical Inventory Status - Part 1/

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/Federal, State & International Regulations - Part 1/

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