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RTC PRODUCT NO. 7097

005 06/04/04 SODIUM BICARBONATE

PRODUCT NAME:

SODIUM BICARBONATE

MSDS NUMBER:

MZS2954

DATE ISSUED:

6/4/2004

SUPERSEDES:

1/6/2002

ISSUED BY:

008614

SODIUM BICARBONATE

1. PRODUCT IDENTIFICATION

SYNONYMS:

SODIUM HYDROGEN CARBONATE; SODIUM ACID CARBONATE; BAKING

SODA; BICARBONATE OF SODA 144-55-8 CAS NO:

MOLECULAR WEIGHT: 84.01 CHEMICAL FORMULA: NAHCO3

Distributed by: Univar USA Inc. 6100 Carillon Point Kirkland, WA 98033 425-889-3400

2. COMPOSITION/INFORMATION ON INCREDIENTS -

INGREDIENT	CAS NO	PERCENT	HAZARDOUB
	144-55-8	99 - 100%	NO
SODIUM BICARBONATE	111 00 1	 — - · ·	

3. HARARDS 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:

BIGH CONCENTRATIONS OF DUST MAY CAUSE COUCHING AND SNEEZING.

EXTREMELY LARGE ORAL DOSES MAY CAUSE GASTROINTESTINAL DISTURBANCES.

SKIN CONTACT:

NO ADVERSE EFFECTS EXPECTED.

CONTACT MAY CAUSE MILD IRRITATION, REDNESS, AND PAIN.

CHRONIC EXPOSURE:

NO INFORMATION FOUND.

AGGRAVATION OF PRE-EXISTING CONDITIONS:

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NO INFORMATION FOUND.

4. FIRST AID MEASURES

INHALATION:

REMOVE TO PRESE AIR. GET MEDICAL ATTENTION FOR ANY BREATHING DIFFICULTY.

THERSTION:

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

SKIN CONTACT:

NOT EXPECTED TO REQUIRE FIRST AID MRASURES.

EYE COMPACT:

WASH THOROUGHLY WITH RUNNING WATER. GRT MEDICAL ADVICE IF IRRITATION DEVELOPS.

5. FIRE FIGHTING MEASURES

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: SWEEP UP AND CONTAINERIZE FOR RECLAMBTION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO AVOID DUST DISPERSAL. SMALL AMOUNTS OF RESIDUE MAY BE FLUSRED 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 104F). 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

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FOR THIS SUBSTANCE. HOWEVER, IF CONDITIONS OF USE CREATE DISCOMFORT TO THE WORKER, A LOCAL EXHAUST SYSTEM SHOULD BE CONSIDERED.

PERSONAL RESPIRATORS (NIOSE APPROVED): FOR CONDITIONS OF USE WHERE EXPOSURE TO DUST OR MIST IS APPARENT AND ENGINEERING CONTROLS ARE NOT PERSIBLE, A PARTICULATE RESPIRATOR (NIOSE TYPE N95 OR BETTER FILTERS) MAY BE WORN. IF OIL PARTICLES (E.G. LUBRICANTS, CUTTING FLUIDS, GLYCERINE, ETC.) ARE PRESENT, USE A NIOSE TYPE R OR P FILTER. FOR EMERGENCIES OR INSTANCES WHERE THE EXPOSURE LEVELS ARE NOT RNOWN, USE A FULL-FACE POSITIVE-PRESSURE, AIR-SUPPLIED RESPIRATOR. WARNING: AIR-PURIFYING 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 WASE FOUNTAIN AND QUICK-DRENCH FACILITIES IN WORK AREA.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

WEITE CRYSTALLINE POWDER.

BOILING POINT: NOT APPLICABLE.

MELTING POINT:

60C (140F)

ODORLESS.

ODOR:

SOLUBILITY:

7.86/100G WATER 8 18C (64F).

VAPOR DENSITY (AIR=1): NO INFORMATION FOUND.

DEMSITY:

2.2

VAPOR PRESSURE (MM HG): NO INFORMATION FOUND.

8.3 (0.1 MOLAR & 25C (77F))

EVAPORATION RATE (BUAC=1): NO INFORMATION FOUND.

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* VOLATILES BY VOLUME & 21C (70F):

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10. STABILITY AND REACTIVITY

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 PROSPRATE OR A SODIUM-POTASSIUM ALLOY.

CONDITIONS TO AVOID:

REAT, MOISTURE, INCOMPATIBLES.

11. TOXICOLOGICAL INFORMATION

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MG/KG. IRRITATION DATA: HUMAN, SKIN, S, MILD.	30MG/3D-I	MILD, RABBIT, E	YE, 100 MG/30
/CANCER LISTS/			~~~~~
This is a summary of the summary of		CARCINOGEN	
INGREDIENT	KNOWN	ANTICIPATED	IARC CATEGORY
	NO	NO	NONE
			
12. ECOLOGICAL INFORMATION			
ENVIRONMENTAL FATE: NO INFORMATION FOUND.			
ENVIRONMENTAL TOXICITY: NO INFORMATION FOUND.			
13. DISPOSAL CONSIDERATIONS			
WHATEVER CANNOT BE SAVED FOR RECOVERY APPROPRIATE AND APPROVED WASTE DISPOSE CONTAMINATION OF THIS PRODUCT MAY CENTAINE AND LOCAL DISPOSAL REGULATIONS REGULATIONS.	AL FACILI	PT. PROCESSING ASTE MANAGEMEN	, USE OR T OPTIONS,
DISPOSE OF CONTAINER AND UNUSED CONTE AND LOCAL REQUIREMENTS.			,
14. TRANSPORT INFORMATION NOT REGULATED.			
15. REGULATORY INFORMATION			
/CHEMICAL INVENTORY STATUS - INGREDIENT	-	TSCA EC	JAPAN AUSTRALIA
SODIUM BICARBONATE (144-55-8)		YES YES	
/CHEMICAL INVENTORY STATUS -	PART 2/		
Ingredient			NADA NDSL PRIL.
SODIUM BICARBONATE (144-55-8)	· 	TES TES	
, ,		outo nam - 1	
/FEDERAL, STATE & INTERNATIONA	µ REGULAT: -9≥71	ONS - PART 1/-	SARA 313
ingredient		TPQ LIST	CHEMICAL CATG
SODIUM BICARBONATE (144-55-8)	NO	NO NO	No
/FEDERAL, STATE & INTERNATION	AL REGULA	TIONS - PART 2,	/
Ingredient	CERC		8 (D)
SOUTH STANDONAME (188-55-8)			МО