



SAFTEY DATA SHEET
INTERNATIONAL AJM CORP.

SODIUM BICARBONATE

PRODUCT NAME: SODIUM BICARBONATE

Product Numbers: 444-928, 443-929, 443-930, 443-931, 443-932, 443-933, 443-934

MSDS NUMBER: MZ52954

DATE ISSUED: 2/20/2022

SUPERSEDES: 7/11/2006

1. PRODUCT IDENTIFICATION

SYNONYMS: SODIUM HYDROGEN CARBONATE; SODIUM ACID CARBONATE; BAKING SODA; BICARBONATE OF SODA

CAS NO: 1444-55-8

MOLECULAR WEIGHT: 84.01

2. 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,



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2. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: SODIUM BICARBONATE

CAS NO: 144-55-8

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: WASH THOROUGHLY WITH RUNNING WATER. GET MEDICAL ADVICE IF IRRITATION DEVELOPS.

5. FIRE FIGHTING MEASURES

FIRE: NOT CONSIDERED TO BE A FIRE HAZARD,

EXPLOSION: NO 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.



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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 RECLAMATION OR DISPOSAL. VACUUMING OR WET SWEEPING MAY BE USED TO AVOID DUST DISPERSAL. 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 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.



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8. EXPOSURE CONTROLS/PERSONAL PROTECTION [CONTINUED]

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 N95 OR BETTER FILTERS) MAY BE WORN. IF OIL PARTICLES (E.G. LUBRICANTS, CUTTING FLUIDS, GLYCERINE, ETC.) ARE PRESENT, USE A NIOSH 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 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 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

BOILING POINT: NOT APPLICABLE.

MELTING POINT: 60C (140F)

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

VAPOR PRESSURE (My HG): NO INFORMATION FOUND.

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

EVAPORATION RATE (BUAC-1): NO INFORMATION FOUND

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



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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 MONO AMMONIUM PHOSPHATE OR A SODIUM-POTASSIUM ALLOY

CONDITIONS TO AVOID: HEAT, MOISTURE, INCOMPATIBLES,

11. TOXICOLOGICAL INFORMATION

INVESTIGATED AS A MUTAGEN, REPRODUCTIVE EFFECTOR, ORAL RAT LD50: 4220 MG/KG. IRRITATION DATA: HUMAN, SKIN, 30MG/3D-I MILD, RABBIT, EYE, 100 MG/30

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.



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15. REGULATORY INFORMATION

- /CHEMICAL INVENTORY STATUS - PART 1/

INGREDIENT: SODIUM BICARBONATE (144-55-8)
TSCA: YES
EC: YES
JAPAN: YES
AUSTRALIA: YES

-----/CHEMICAL INVENTORY STATUS - PART 2/-

INGREDIENT: SODIUM BICARBONATE (144-55-8)

--CANADA--
KOREA: YES
DSL: YES
NDSL: NO
PHIL: YES

-----/FEDERAL, STATE « INTERNATIONAL REGULATIONS - PART 1/-

INGREDIENT: SODIUM BICARBONATE (144-55-8)
-SARA 302-

RQ: NO
TPQ: NO

-SARA 313-

LIST: NO
CHEMICAL CATG: NO

-----/FEDERAL, STATE & INTERNATIONAL REGULATIONS - PART 2/-

INGREDIENT: SODIUM BICARBONATE (144-55-8)

CERCLA : NO

-RCRA- : 261.33: NO
-TSCA- : 8(D): NO



15. REGULATORY INFORMATION [CONTINUED]

CHEMICAL WEAPONS CONVENTION: NO

SARA 311/312: ACUTE: NO

CHRONIC: NO

FIRE: NO

PREASURE: NO

REACTIVITY: NO (PURE SOLID)

AUSTRALIAN HAZCHEM CODE: NONE ALLOCATED,

POISON SCHEDULE: NONE ALLOCATED

WHMIS: THIS MSDS HAS BEEN PREPARED ACCORDING TO THE HAZARD CRITERIA OF THE CONTROLLED PRODUCTS REGULATIONS (CPR) AND THE MSDS CONTAINS ALL OF THE INFORMATION REQUIRED BY THE CPR.

16. OTHER INFORMATION

THIS INFORMATION IS BASED ON OUR PRESENT KNOWLEDGE. HOWEVER, THIS SHALL NOT CONSTITUTE A GUARANTEE FOR ANY SPECIFIC PRODUCT FEATURES AND SHALL NOT ESTABLISH A LEGALLY VALID CONTRACTUAL RELATIONSHIP.

DATE OF PREPARATION: FEBRUARY 20, 2022

PREPARED BY:

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16. OTHER INFORMATION (CONTINUED)

NOTICE:

THIS SAFTEY DATA SHEET COMPLEMENTS THE TECHNICAL DATA SHEETS BUT DOES NOT REPLACE THEM. THE INFORMATION IS CONTAINS IS BASED ON OUR PRESENT KNOWLEDGE OF THE PRODUCT ON THE DATE INDICATED. IT IS GIVEN IN GOOD FATH, USERS SHOULD BE WARNED ABOUT THE RISKS ASSOCIATED WITH USING THE PRODUCT FOR A DIFFERENT PURPOSE THAN THAT FOR WHICH IT WAS DEVELOPED, AND PARTICULAR FOR WHICH WE ARE NOT QUALIFIED TO GIVE ADVISE.

THESE REGULATORY PRESCRIPTIONS ARE PROVIDED WHICH A VIEW TO HELPING USERS FROM ENSURING THAT THEY ARE NOT REQUIRED TO COMPLY WITH ANY FURTHER PRESCRIPTIONS OTHER THAN THOSE MENTIONED ABOUT CONCERNING PRODUCT POSSESSION AND HANDLING FOR WHICH THEY ARE SOLEY RESPONSIBLE.