

24-Hour Emergency Telephone 908-859-2151 National Response Center 800-424-8802 Chemtrec 800-424-9300

National Response In Canada CANUTEC 613-996-6666

Outside U.S. and Canada Chemtrec 202-483-7616

SIGNAL ÉTIQUE

NOTE: CHEMTREC, CANUTEC and National Response Center emergency numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

S3050 -02

03/09/92 Effective:

Sodium Bisulfate

Page: 1

Issued: 07/10/93

J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

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SECTION I - PRODUCT IDENTIFICATION

Sodium Bisulfate Product Name:

Common Synonyms: N/A

Chemical Family: Inorganic Sodium Compounds

NaHSO4+H20 Formula:

138.07 Formula Wt.: 7681-38-1 CAS No.:

NIOSH/RTECS No.: UZ1860000

Laboratory Reagent

Product Use: Product Codes:

3538,3534

PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* Sustem

HEALTH SLIGHT FLAMMABILITY MONE





Laboratory Protective Equipment





U.S. Precautionary Labeling

CAUTION!

MAY BE HARMFUL IF SWALLOWED, MAY CAUSE IRRITATION. Wash thoroughly after During use avoid contact with eyes, skin, clothing. handling. When not in use keep in tightly closed container.



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Sodium Bisulfate Page: 2 S3050 - 02 Issued: 07/10/93 Effective: 03/09/92 PRECAUTIONARY LABELING (CONTINUED) International Labeling Causes burns. Irritating to respiratory system. Do not breathe dust. After contact with skin, wash immediately with plenty of scap and water. SAF-T-DATA\* Storage Color Code: Orange (general storage) SECTION II - COMPONENTS \_\_\_\_\_\_ Component Weight % Sodium Bisulfate 7681-38-1 SECTION III - PHYSICAL DATA Vapor Pressure (mmHg): N/A Boiling Point: N/A Vapor Density (air=1): N/A Melting Point: 59°C (138°F) (at 760 mm Hg) Evaporation Rate: N/A Specific Gravity: 2.10  $(H_2O=1)$ Solubility(H<sub>2</sub>O): Appreciable (>10%) % Volatiles by Volume: 0 (21°C) pH: N/A Odor Threshold (ppm): N/A Physical State: Solid Coefficient Water/Oil Distribution: N/A Appearance & Odor: White crystals or powder. Odorless.



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53050 -02

Effective: 03/09/92

Sodium Bisulfate

Page: 3

Issued: 07/10/93

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A

Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire & Explosion Hazards

None identified.

Toxic Gases Produced sulfur dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

SECTION V - HEALTH HAZARD DATA

Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components

No information is available

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.



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53050 - 02

Sodium Bisulfate

Page: 4

Effective:

03/09/92

Issued: 07/10/93

SECTION U - HEALTH HAZARD DATA (CONTINUED)

# Reproductive Effects

None identified.

# Effects of Overexposure

INHALATION:

irritation of upper respiratory tract

SKIN CONTACT:

irritation

EYE CONTACT:

irritation

SKIN ABSORPTION: none identified

INGESTION:

headache, nausea, vomiting, dizziness, gastrointestinal

irritation

CHRONIC EFFECTS: none identified

## Target Organs

none identified

# Medical Conditions Generally Aggravated by Exposure

none identified

#### Primary Routes of Entry

none indicated

#### Emergency and First Aid Procedures

INGESTION:

If swallowed and the person is conscious, immediately give

large amounts of water. Get medical attention.

INHALATION:

If a person breathes in large amounts, move the exposed

person to fresh air.

SKIN CONTACT: In case of contact, immediately wash skin with plenty of

soap and water for at least 15 minutes.

EYE CONTACT:

In case of eye contact, immediately flush with plenty of

water for at least 15 minutes.

# SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: No Chronic: No Flammability: No Pressure: No Reactivity: No



Eye/Skin Protection:

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Page: 5 Sodium Bisulfate 53050 -02 Issued: 07/10/93 Effective: 03/09/92 SECTION U - HEALTH HAZARD DATA (CONTINUED) Extremely Hazardous Substance: CERCLA Hazardous Substance: SARA 313 Toxic Chemicals: No Yes TSCA Inventory: SECTION UI - REACTIUITY DATA Hazardous Polymerization: Will not occur Stability: Stable none documented Conditions to Avoid: water Incompatibles: Decomposition Products: oxides of sulfur SECTION VII - SPILL & DISPOSAL PROCEDURES Steps to be Taken in the Event of a Spill or Discharge Wear suitable protective clothing. Carefully sweep up and remove. Disposal Procedure Dispose in accordance with all applicable federal, state, and local environmental regulations. SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT Use adequate general or local exhaust ventilation to Ventilation: keep fume or dust levels as low as possible. Respiratory Protection: None required where adequate ventilation conditions If airborne concentration is high, use an exist. appropriate respirator or dust mask. Safety goggles, proper gloves are recommended.



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WATERIAL SALE IN DATA SHEET

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53050 - 02

Sodium Bisulfate

Page: 6

Effective:

03/09/92

Issued: 07/10/93

SECTION IX - STORAGE AND HANDLING PRECAUTIONS

SAF-T-DATA\* Storage Color Code: Orange (general storage)

Storage Requirements

Suitable for any general chemical storage Keep container tightly closed.

area.

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION

Domestic (D.O.T.)

Proper Shipping Name:

Sodium hydrogen sulphate, solid (air only)

Hazard Class:

ORM-B

UN/NA: UN1821

Labels: NONE

Regulatory References: 49CFR 172.101; 173.500; 173.510

International (I.M.O.)

Proper Shipping Name:

Sodium bisulphate, solid

Hazard Class:

I.M.O. Page: 8213

UN: UN1821

Marine Pollutants: No

Packaging Group: III

Labels: CORROSIUE

Regulatory References: 49CFR 172.12(b); IMDG Code

AIR (I.C.A.O.)

Proper Shipping Name:

Sodium bisulphate, solid

Hazard Class:

UN: UN1821

Packaging Group: III

Labels: CORROSIVE

Regulatory References: 49CFR 172.101; ICAO === We believe the transportation data and references contained herein to be factual and the opinion of qualified experts. The data is meant as a guide to the overall classification of the product and is not package size specific, nor should it be taken as a warranty or representation for which the company assumes legal responsibility. === The information is offered solely for your consideration,

investigation, and verification. Any use of the information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations. See shipper requirements 49CFR

172.3 and employee training 49CFR 173.1.



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S3050 - 02

Effective: 03/09/92

Sodium Bisulfate

Page: 7 Tasued: 07/10/93

SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)

U.S. Customs Harmonization Number: 28331900008

N/A = Not Applicable or Not Available

N/E = Not Established

The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label. BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically revise this Material Safety Data Sheet.

Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

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Approved by Quality Assurance Department.