



Material Safety Data Sheet

Sodium Benzotriazole

1. Identification

Product Name:Caustic Alkali Liquid, n.o.s (Contains Sodium Benzotriazole)

Other Names : Sodium Benzotriazole

Uses : Used As Antirusting And Corrosion Inhibitor Of Cu And Copper Alloy, And Protection Of Stainless Steel, Cast Iron, Cd And Ni Alloy.

Organisation: Nanjing Xiangshengtai Industry Co, Ltd

Contact No.: Julia Li 13914781109

2. Hazard Identification

Hazardous According To Criteria Of Nohsc

Harmful; Irritant

Risk Phrases

r36/38 Irritating To Eyes And Skin.

r22 Harmful If Swallowed.

Safety Phrases

s24/25 Avoid Contact With Skin And Eyes.

s26 in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

s28 After Contact With Skin, Wash Immediately With Plenty Of Soap-Suds.

s36/37/39 Wear Suitable Protective Clothing, Gloves And Eye/Face Protection.

Erma New Zealand Approval Code : No Data

Hsno Hazard Classification : No Data

This Material Safety Data Sheet May Not Provide Exhaustive Guidance For All Hsno Controls Assigned To This Substance. The Erma Website www.ermanz.govt.nz Should Be Consulted For a Full List Of Triggered Controls And Cited Regulations

3. Composition/Information On Ingredients

Chemical Entity:Sodium Benzotriazole

Cas No.:15217-42-2

Proportions (%):30-50

4. First Aid Measures

Description Of Necessary Measures According To Routes Of Exposure

Swallowed

Obtain Medical Medical Attention Immediately. Do Not Induce Without Medical Advice. Drink 1

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Or 2 Glasses Of Water.

Eye Obtain Medical Attention Immediately. Immediately Gently Irrigate With Clean Water For At Least 15 Minutes.

Skin : Remove Contaminated Clothing. Wash Off Affected Area Immediately With Soap And Plenty Of Water. Obtain Medical Attention.

Inhaled: Remove To Fresh Air, Rest, Treat Symptomatically. Obtain Medical Attention.

Advice To Doctor

Treat According Symptoms.

Additional Information

Aggravated Medical Conditions Caused By Exposure

No Data Available

5. Fire Fighting Measures

Extinguishing Media

Fire Fighters Should Wear Full Protective Equipment Including Self Contained Breathing Apparatus. Use Water Spray, Dry Powder, Carbon Dioxide. Fire And Explosion Hazard Are Oxides Of Nitrogen, Oxides Of Carbon.

Hazards From Combustion Products

Stable Under Ambient Conditions, Keep Away From Strong Oxidizing Agents. Hazardous Decomposition Products Include Oxides Of Nitrogen, Oxides Of Carbon (Under Fire Conditions).

Special Protective Precautions And Equipment For Fire Fighters

No Data Available

Flammability Conditions

Stable Under Ambient Conditions.

Additional Information

Hazchem Code : 2r

6. Accidental Release Measures

Emergency Procedures

Avoid Contact With Skin And Eyes. In Case Of Contact With Eyes, Rinse Immediately With Plenty Of Water And Seek Medical Advice. After Contact With Skin, Wash Immediately With Plenty Of Water. Ensure Adequate

Ventilation. Use Personal Protective Equipment. Do Not Allow To Enter Sewers Or Water Courses. If Spillages Enters Sewers Or Water Coarses, Immediately Inform The Appropriate Water Authorities.

Methods And Materials For Containment And Clean Up

Small Spills: Soak Up With Inert Absorbent Material. Sweep Up And Shovel Reclaim Into Recovery Or Salvage Drums. Large Spills: Dam Up. Reclaim Into Recovery Or Salvage Drums. Wash Site Spillages Thoroughly With Water.



7. Handling And Storage

Precautions For Safe Handling

Ensure An Eye Bath And Safety Shower Are Available And Ready For Use.

Conditions For Safe Storage, Including Any Incompatibles

Avoid Contact With Skin And Eyes. Use With Adequate Ventilation. Use Personal Protective Equipment. Keep Container Tightly Closed. Keep Container Dry.

Container Type

No Data Available

8. Exposure Controls / Personal Protection

National Exposure Standards

None Established By The Worksafe Australia.

Biological Limit Values

No Data Available

Engineering Controls

General Ventilation Is Recommended.

Personal Protection

Respiratory Protection: If Significant Mists, Vapours Or Aerosols Are Generated An Approved Respirator Is Recommended, Filter-Type a. Hand Protection: Pvc Gloves, Nitrile Gloves.

Most Glove Materials Are Of Low Chemical Resistance. Replace Gloves Regularly.

Skin Protection: Standard Protective Clothing.

Eye Protection: Chemical Splash Goggles.

Hygiene Recommendations: Keep a Safety Shower Available. Eye Wash Station Safety Shower Necessary.

If Clothing Is Contaminated, Remove Clothing And Thoroughly Wash Affected Area. Launder Contaminated Clothing Before Reuse.

9. Physical And Chemical Properties

Appearance: Clear & yellow liquid.

Formula: C₆H₄N₃Na

Odour: No Data Available

Vapour Pressure: Not Applicable

Vapour Density: No data

Boiling Point: 100 deg C

Melting Point: -15 deg C

Solubility In Water: Miscible

Specific Gravity: Not available (Water = 1)

Flash Point: 11.2

Ph: Not Applicable

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Flammability Limits (As Percentage Volume In Air):No Data

Lower Explosion Limit:No Data

Upper Explosion Limit:No Data

Ignition Temperature:No Data

Specific Heat Value:No Data

Particle Size:No Data

Volatile Organic Compounds (Voc) Content:No Data

Evaporation Rate:No Data

Viscosity:No Data

Percent Volatile:No Data

Octanol/Water Partition Coefficient:No Data

Saturated Vapour Concentration:No Data

Additional Characteristics:No Data

Flame Propagation/Burning Rate Of Solid Materials:No Data

Properties Of Materials That May Initiate Or Contribute To Fire Intensity:No Data

Potential For Dust Explosion:No Data

Reactions That Release Flammable Gases:No Data

Fast Or Intensely Burning Characteristics:No Data

Non-Flammables That Could Contribute Unusual Hazards To a Fire:No Data

Release Of Invisible Flammable Vapours And Gases:No Data

Decomposition Temperature:No Data

Additional Information:No Data

10. Stability And Reactivity

Chemical Stability : No Data

Conditions To Avoid : No Data

Incompatible Materials : No Data

Hazardous Decomposition Products : No Data

Hazardous Reactions : No Data

11. Toxicological Information

Toxicity Data

Acute Toxicity Data: Acute Lethality Values: Oral (Rat) Ld50 = > 500 Mg/Kg Primary (Draize Test) Skin/Eye Skin: Irritant Eyes: Irritant Human Health Hazards - Acute: Inhalation May Cause Irritation Of The Mucous

Membranes. Irritating To Skin And Eyes. Harmful If Swallowed. May Cause Mucosal Damage.

Health Effects - Acute

Swallowed

Harmful If Swallowed. May Cause Mucosal Damage.

Eye:Irritating To Eyes.

Skin:Irritating To Skin.

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Inhaled: May Cause Irritation Of Mucous Membranes.

12. Ecological Information

Ecotoxicity : No Data

Persistence And Degradability : No Data

Mobility : No Data

Additional Information

Environmental Fate (Exposure) : No Data

Bioaccumulative Potential : No Data

13. Disposal Considerations

Disposal

Disposal Should Be In Accordance With Local, State, And Federal Regulations.

Special Precautions For Land Fill Or Incineration

No Data Available

14. Transport Information

Un No.:1719

Shipping Name:Caustic Alkali Liquid, n.o.s (Contains Sodium Benzotriazole)

Dangerous Goods Class:Class 8 Diamond

Subsidiary Risk:Hazchem Code

Pack Group:8

Precaution For User:None Allocated

15. Regulatory Information

Poisons Schedule N/A

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Aics Name No Data

Nz Toxic Substance: No Data

Additional Information: No Data

16. Other Information

Revision Date : Apr 2004

Additional Information

Legend To Abbreviations And Acronyms:

< Less Than

> Greater Than

Aics Australian Inventory Of Chemical Substances

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Cas Chemical Abstracts Service (Registry Number)

Co₂ Carbon Dioxide

Cod Chemical Oxygen Demand

Erma Environmental Risk Management Authority

Hsno Hazardous Substance And New Organism

Idlh Immediately Dangerous To Life And Health

a Group Of Test Animals. The Material Is Inhaled Over a Set Period Of Time, Usually 1 Or 4 Hours.

Of a Group Of Test Animals

Misc Miscible

n/a Not Applicable

Niosh National Institute For Occupational Safety And Health

Nohsc National Occupational Health And Safety Commission

Oecd Organization For Economic Co-Operation And Development

Pel Permissible Exposure Limit

Rcp Reciprocal Calculation Procedure

Stel Short Term Exposure Limit

Tlv Threshold Limit Value

Twa Time Weighted Average

Un United Nations (Number)

Cm² Square Centimetres

Deg c ('c) Degrees Celsius

g Gram

g/Cm³ Grams Per Cubic Centimetre

g/l Grams Per Litre

Immiscible Liquids Are Insoluble In Each Other

Kg Kilogram

Kg/m³ Kilograms Per Cubic Metre

Ltr Litre

m³ Cubic Metre

Mbar Millibar

Mg Milligram

Mg/24h Milligrams Per 24 Hours

Milligrams Per Kilogram, Milligrams Per Cubic Metre

Liquids Form One Homogeneous Liquid Phase Regardless Of The Amount Of Either Component Present

Millimetre

Parts Per Million Per 2 Hours

Parts Per Millionper 6 Hours

Micrograms Per 24 Hours Weight

Literature References::No Data

Sources For Data::No Data