

MATERIAL SAFETY DATA SHEET

CAUSTIC SODA SOLID

Section 1: Product and Company Identification

PRODUCT Identification: CAUSTIC SODA SOLID

Date of MSDS: 01/01/2020 Technical Review Date: 04/12/2019

FSC:6810

MIN: 00-174-6581

Submitter: D DG

Status Code: C

MFN: 01

Article: N

Kit Part: N

Manufacturer's Information

Manufacturer's Name: TIANDELI CO.,LTD

Manufacturer's Country: CHINA

Emergency Telephone: 0086-22-65292505

Emergency fax: 0086-22-65292505

MSDS Preparer's Name: N/P

Proprietary: N

Reviewed: Y

Published: Y

CAGE: 5A188

Special Project Code: N

Item Description

Item Name: SODIUM HYDROXIDE, TECHNICAL

Specification Number: UK

Typc/Grade/Class: UK

Unit of Issue: DR Quantitative Expression: 00000000100LB

Unit of Issue Quantity: 1

Type of Container: NK

Section 2: Compositon/Information on Ingredients

Ingredient Name: SODIUM HYDROXIDE(SARA III)

Ingredient CAS Number: 1310-73-2

Ingredient CAS Code: M

RTECS Number: WB4900000

RTECS Code: M

=WT; =WT Code:

=Volume: =Volume Code:

>WT: >WT Code:

=Volume: =Volume Code:

>WT: >WT Code:

=Volume: =Volume Code:

% Low WT: % Low WT Code:

% High WT: % High WT Code:

% Low Volume: % Low Volume Code:

% High Volume: % High Volume Code:

% Text: 100.

% Enviromental Weight:

Other REC Limits: N/P

OSHA PEL:2 MG/M3;OSHA PEL Code: M

OSHA STEL: OSHA STEL Code:

ACGIH TLV:C 2 MG/M3;9293 ACGIH TLV Code:

M

ACGIH STEL: N/P ACGIH STEP STEL Code:

EPA Reporting Quantity: 1000LBS

DOT Reporting Quantity: 1000LBS

Ozone Depleting Chemical: N

Section 3 : Hazards Identification, Including Emergency Overview

Health Hazards Acute & Chronic: N/P

Signs & Symptoms of Overexposure:

EYES:CAUSE SEVERE DAMAGE.SKIN:CAUSES BURNS,DEEP ULCERATION.BREATHING: SEVERE
DAMAGE TO MUCOUS MEMBRS

Medical Conditions Aggravated by Exposure: N/P Ld50 lc50 Mixture: N/P

Route of Entry Indicators:

Inhalation: N/P

Skin: N/P

Ingestion: N/P

Carcenogenicity Indicators

NTP: N/P

IARC: N/P

OSHA: N/P

Carcinogenicity Explanation: N/P

Section 4: First Aid Measures

First Aid:INHAL: RMV TO FRESH AIR. IF NOT BRTHNG GIVE CPR;IF BRTHNG DIFF GIVE OXYGEN.EYE:
IMMED FLUSH W/PLENTY OF WATER. SKIN: WASH W8SOAP &SHOES. INGEST: DO NOT INDUCE
VOMIT.NOTHG BY M OUTH IF UNCONSC.GET MEDICAL ATTN.

Section 5: Fire Fighting Measures

Fire Fighting Procedures:FLOODW/WATER, USING CARE NOT TO SPLATTER OR SPLASH MATERIAL

Unusual fire or Explosion Hazard:REACT W/METALS SUCH AS AL,ZN,MG,CU TO RELEASE EXPLOSIVE
AMTS OF HYDROGEN GAS.

Extinguishing Media: NOT COMBUSTIBLE BUT CONTACT W/WATER MAY GENEATE HEAT.

Flash Point: Flash Point Text: N/R

Autoignition Temperature:

Autoignition Temperature Text: N/A

Lower Limit(s): N/R

Upper Limit(s): N/R

Section 6: Accidental Release Measures

Spill Release Procedures:IMMED SWEEP UP,RMV & PLACE IN CLOSED CONTAINER. FLUSH AREA
W/WATER.USE DILUTE ACETIC ACID TO NEUTRALIZE FINAL TRACES.

Section 7: Handling and Storage

Handing and Storage Precautions:

Other Precautions:

Section 8: Exposure Controls & Personal Protection

Respiratory Protection:

NIOSH/MESA JOINTLY APPD SELF-CONTAINED BREATHING APPARATUS W/FULL PC

Ventilation: MECHANICAL &/OR LOCAL EXHAUST VENTILATION TO MAINTAIN< TLV.

Protective Gloves: NEOPRENE,BUNA-N

Eye Protection: CHEMICAL SPLASH GOGGLES.

Other Protective Equipment: SAFETY GLASSES, FACE SHIELD.

Work Hygenic Practices: N/P

Supplemental Health & Safety Information: N/P

Section 9: Physical Properties

HCC:B1

NRC/State License Number : N/R

Net Property Weight for Ammo: N/P

Boiling Point: boiling Point ataext: 2536F,1388C

Melting/Freezing Point: Melting/Freezing Text: UNKNOEN

Decomposition Point: Decomposition Text: UNKNOWN

Vapor Pressure: N/R Vapor DENSITY: N/R

Percent Volatile Organic Content:

Specific Gravity: 2.13

Volatile Organic Content Pounds per Gallon:

pH: N/P

Volatile Organic Content Grams per Liter;

Viscosity: N/P

Evaporation Weight and Reference: N/P

Solubility in Water: APPRECIABLE

Appearance and Order: WHITE SOLID FLAKES. ODORLESS.

Percent Volatiles by Volume: N/A

Corrosion Rate: N/P

Section 10: Stability & Reactivity Data

Stability Indicator: YES

Materials to Avoid:STRONG MINERAL ACIDS, AL,MG,ORGANIC MATLS,WATER,STRONG ORG AC

Stability Condition to Avoid: N/K

Hazardous Decomposition Products: N/K

Hazardous Polymerization Indicator: NO

Conditions to Avoid Polymerization: N/R

Section 11: Toxicological Information

Toxicological Information:N/P

Section 12: Ecological Information

Ecological Information:N/P

Section 13: Disposal Considerations

Waste Disposal Methods: SMALL SPILL: DISSOLVE IN LARGE AMOUNT OF WATER & NEUTRALIZE

WITH 6M-HCL.FLUSH DOWN INTO AN APPROVED DISPOSAL AREA WITH EXCESS WATER. LAGRE
SPILL: POUR INTO LARGE TANK OF WATER & NEUTRALIZE .FLUSH TO AN AP PROVED DISPOSAL
AREA W/LARGE EXCESS OF WATER.

Section 14: MSDS Transport Information

Transport Information:N/P

Section 15: Regulatory Information

SARA Title III Information: N/P

FEDERAL REGULATORY Information: N/P

State regulatory Information: N/P

Section 16: Other Information

Other Information: N/P

HMIS Transportation Information

Product Identification: CAUSTIC SODA SOLID Transportation ID Number: 53551

Responsible Party CASE: 5A188

MFN: 03/26/1982

Submitter: D DG

Status Code :C

Container Information

Unit of Issue: DR

Container Quantity: 1

Type of Container: NK

Net Unit Weight:

Article without MSDS: N

Technical Entry NOS Shipping Number:

Radioactivity:

Form:

Net Explosive Weight:

Coast Guard Ammunition Code:

Magnetism: N/P

AF MMAC Code:

DOD Exemption Number:

Limited Quantity Indicator:

Multiple Kit number: 0

Kit Indicator: N

Kit Part Indicator: N

Review Indicator: Y

Additional Data:

Department of Transportation Information

NOT Proper Shipping Name: SODIUM HYDROXIDE,SOLID

DOT PSN Code: NGU

Symbols:

DOT PSY Modifier

Hazard Class: 8

UN ID Number: UN1823

NOT Packaging Group: II

Label: CORROSIVE

Special Provision(s):

Packaging Exception: 154

Non Bulk Packaging: 212

Bulk Packaging: 240

Maximum Quantity in Passenger AREW: 15 KG

| | |
|---|---------------------------------------|
| Maximum Quantity in Cargo Area: 50 KG | Stow in Vessel Requirements: A |
| Requirements Water/Sp/Other: | IMO Detail Information |
| IMO Proper Shipping Name: SODIUM HYDROXIDE, SOLID | |
| IMO PSN Code: NSX | IMO PSN Modifier: |
| IMDG Page Number: 8225-1 | UN Number: 1823 |
| UN Hazard Class: 8 | IMO Packaging Group: II |
| Subsidiary Risk Label: - | EMS Number: 8-06 |
| Medical First Aid Guide Number: 705 | IATA Detail Information |
| IATA Proper Shipping Name: SODIUM HYDROXIDE,SOLID | |
| IATA PSN Code: WSO | IATA PSN Modifier: |
| IATA UN ID Number: 1823 | IATA UN Class: 8 |
| Subsidiary Risk Class: | UN Packaging Group: II |
| IATA Label: CORROSIVE | |
| Packaging Note for passengers: 814 | Maximum Quantity for Passengers: 15KG |
| Packaging Note for Cargo: 816 | Maximum Quantity for Cargo: 50KG |
| Exceptions: AFI Detail Information | |
| AFI Proper Shipping Name: SODIUM HYDROXIDE, SOLID | |
| AFI Symbols: | AFI PSN Code: WSO |
| AFI PSN Modifier: | AFI UN ID Number: UN1823 |
| AFI Hazard Class: 8 | AFI Packing Group: II |
| AFI Label: | Special Provisions: P5 |
| Back Pack Reference: A12.4 | HAZCOM Label Information |

Prepared by:  TIANDELI CO., LTD