## SODIUM

	nyms	Soft solid under kerosene	Silver to grayish-white Odorless				
		Floats and reacts v	Floats and reacts violently with water. Flammable gas is produced.				
Shut off igr Wear gogg	ition sources a les, and rubbe	ID CONTACT WITH S	CONTACT WITH SOLID. d call fire department. verelothing (including gloves).				
Fire	FLAMMABLE. FIRE MAY START ON CONTACT WITH AIR. Flammable gas formed on contact with water or moisture. Wear goggles, self-contained breathing apparatus, and rubber overclothing (including gloves). DO NOT USE WATER, CARBON DIOXIDE, OR VAPORIZING LIQUIDS. Extinguish with dry graphite, soda ash, powdered sodium chloride or other approved dry powder.						
Exposure	SOLID Will burn ski Remove cor Flush affecte	CALL FOR MEDICAL AID. SOLID Will burn skin and eyes. Remove contaminated clothing and shoes. Flush affected areas with plenty of water. IF IN EYES, hold eyelids open and flush with plenty of water.					
Water Pollution	May be dang Notify local	Dangerous to aquatic life in high concentrations. May be dangerous if it enters water intakes. Notify local health and wildlife officials. Notify operators of nearby water intakes.					
			2.4 DOT ID No.: 1428 2.5 CAS Registry No.: 7440-23-5 2.6 NAERG Guide No.: 138 2.7 Standard Industrial Trade Classification: 52228				
<ul> <li>3.2 Symptoms Fol reaction wi</li> <li>3.3 Treatment of E heat or cau</li> <li>3.4 TLV-TWA: Not</li> </ul>	lowing Expos th moisture on xposure: SKI istic burn; call listed.	<b>ure:</b> Severe burns ca skin. N: brush off any met	AZARDS trive clothing; goggles and face shield. aused by burning metal or by caustic soda formed by al, then flood with water for at least 15 min.; treat as				
<ul> <li>3.2 Symptoms Fol reaction wi reaction wi heat or cau</li> <li>3. Treatment of E heat or cau</li> <li>4. TLV-TWA: Not</li> <li>5. TLV-STEL: Not</li> <li>3.6 TLV-Ceiling: Ni</li> <li>3.7 Toxicity by Ing</li> <li>3.8 Toxicity by Ing</li> <li>3.9 Chronic Toxici</li> <li>3.10 Vapor (Gas) If</li> <li>3.11 Liquid or Solia short conta</li> <li>3.12 Odor Thresho</li> <li>3.14 OSHA PEL-TV</li> </ul>	towing Expos th moisture on ixposure: SKI sistic burn; call i listed. listed. estion: Not pe alation: Curre ty: None ritant Charact d Characterist ct and is very Id: Odorless ot listed. VA: Not listed.	ent: Maximum protect ure: Severe burns cr skin. N: brush off any met a doctor. wrtinent trty not available. teristics: Non-volatile ics: Severe skin irrit injurious to the eyes.	tive clothing; goggles and face shield. used by burning metal or by caustic soda formed by al, then flood with water for at least 15 min.; treat as				
<ol> <li>Symptoms Fol reaction wi reaction wi</li> <li>Treatment of E heat or cau</li> <li>TLV-TWA: Not</li> <li>TLV-STEL: Not</li> <li>TLV-Ceiling: N.</li> <li>Toxicity by Ing</li> <li>Toxic</li></ol>	lowing Expos th moisture on ixposure: SKI isted.usitic burn; call i listed. estion: Not pe alation: Curre ty: None ritant Charact d Characterist ct and is very Id: Odorless ot listed. EL: Not listed. EL: Not listed.	ent: Maximum protec ure: Severe burns cr skin. N: brush off any met a doctor. Artinent ntly not available. eristics: Non-volatili injurious to the eyes.	tive clothing; goggles and face shield. used by burning metal or by caustic soda formed by al, then flood with water for at least 15 min.; treat as				
3.2 Symptoms Fol reaction wi 3.3 Treatment of E heat or cau 3.4 TLV-TWA: Not 3.5 TLV-STEL: Not 3.6 TLV-Ceiling: N 3.7 Toxicity by Inp 3.8 Toxicity by Inp 3.9 Chronic Toxici 3.10 Vapor (Gas) Ir 3.11 Liquid or Solik	lowing Expos th moisture on ixposure: SKI isted.usitic burn; call i listed. estion: Not pe alation: Curre ty: None ritant Charact d Characterist ct and is very Id: Odorless ot listed. EL: Not listed. EL: Not listed.	ent: Maximum protec ure: Severe burns cr skin. N: brush off any met a doctor. Artinent ntly not available. eristics: Non-volatili injurious to the eyes.	tive clothing; goggles and face shield. used by burning metal or by caustic soda formed by al, then flood with water for at least 15 min.; treat as				

<ul> <li>7. SHIPPING INFORMATION</li> <li>7.1 Grades of Purity: Commercial grade: 99.95%</li> <li>7.2 Storage Temperature: 230°–250°F (liquid); ambient (solid)</li> <li>7.3 Inert Atmosphere: Dry nitrogen or argon (for liquid); under kerosene (for solid)</li> <li>7.4 Venting: Pressure-vacuum</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Category: Dangerous When Wet</li> <li>8.4 9CFR Package Group: I</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard (Blue)</li></ul>
<ul> <li>7.1 Grades of Purity: Commercial grade: 99.95%</li> <li>7.2 Storage Temperature: 230°–250°F (liquid); ambient (solid)</li> <li>7.3 Inert Atmosphere: Dry nitrogen or argon (for liquid); under kerosene (for solid)</li> <li>7.4 Venting: Pressure-vacuum</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification</li> <li>Category Classification</li> <li>Hammability (Red)</li></ul>
<ul> <li>7.2 Storage Temperature: 230°–250°F (liquid): ambient (solid)</li> <li>7.3 Inert Atmosphere: Dry nitrogen or argon (for liquid): under kerosene (for solid)</li> <li>7.4 Venting: Pressure-vacuum</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification Health Hazard (Blue)</li></ul>
ambient (solid) 7.3 Inert Atmosphere: Dry nitrogen or argon (for liquid); under kerosene (for solid) 7.4 Venting: Pressure-vacuum 7.5 IMO Pollution Category: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Dangerous When Wet 8.2 49 CFR Class: 4.3 8.3 49 CFR Package Group: 1 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue) 3 Flammability (Red) 1 Instability (Yellow) 2 Special (White)
liquid); under kerosene (for solid) 7.4 Venting: Pressure-vacuum 7.5 IMO Pollution Category: Currently not available 7.7 Barge Hull Type: Currently not available 8. HAZARD CLASSIFICATIONS 8.1 49 CFR Category: Dangerous When Wet 8.2 49 CFR Class: 4.3 8.3 49 CFR Package Group: 1 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)
<ul> <li>7.4 Venting: Pressure-vacuum</li> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification</li> <li>Flammability (Red)</li></ul>
<ul> <li>7.5 IMO Pollution Category: Currently not available</li> <li>7.6 Ship Type: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification Health Hazard (Blue)</li></ul>
<ul> <li>7.6 Ship Type: Currently not available</li> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification Health Hazard (Blue)</li></ul>
<ul> <li>7.7 Barge Hull Type: Currently not available</li> <li>8. HAZARD CLASSIFICATIONS</li> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification: Health Hazard (Blue)</li></ul>
8. HAZARD CLASSIFICATIONS         8.1 49 CFR Category: Dangerous When Wet         8.2 49 CFR Class: 4.3         8.3 49 CFR Package Group: 1         8.4 Marine Pollutant: No         8.5 NFPA Hazard Classification: Category Classification: Health Hazard (Blue) 3         Flammability (Red)
<ul> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification 3</li> <li>Flammability (Red)</li></ul>
<ul> <li>8.1 49 CFR Category: Dangerous When Wet</li> <li>8.2 49 CFR Class: 4.3</li> <li>8.3 49 CFR Package Group: 1</li> <li>8.4 Marine Pollutant: No</li> <li>8.5 NFPA Hazard Classification: Category Classification: Category Classification 3</li> <li>Flammability (Red)</li></ul>
8.2 49 CFR Class: 4.3 8.3 49 CFR Package Group: 1 8.4 Marine Pollutant: № 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)
8.3 49 CFR Package Group: 1 8.4 Marine Pollutant: No 8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue) 3 Flammability (Red) 1 Instability (Vellow) 2 Special (White)
8.5 NFPA Hazard Classification: Category Classification Health Hazard (Blue)
Category Classification Health Hazard (Blue)
Health Hazárd (Blue)
Flammability (Red)
Instability (Yellow) 2 Special (White)
Special (White) ₩ 8.6 EPA Reportable Quantity: 10 pounds 8.7 EPA Pollution Category: A
<ul><li>8.6 EPA Reportable Quantity: 10 pounds</li><li>8.7 EPA Pollution Category: A</li></ul>
8.7 EPA Pollution Category: A
0.0 RCRA Waste Nulliber. Not listed
8.9 EPA FWPCA List: Yes
0.9 EFAT WEGA LIST. Tes
9. PHYSICAL & CHEMICAL
PROPERTIES
9.1 Physical State at 15° C and 1 atm: Solid
9.2 Molecular Weight: 22.49
<b>9.3 Boiling Point at 1 atm:</b> 1621°F = 883°C =
1156°K
9.4 Freezing Point: 207.5°F = 97.5°C = 370.7°K
9.5 Critical Temperature: 3632.0°F = 2000°C =
2273.2°K
<b>9.6 Critical Pressure:</b> 5040 psia = 343 atm = 34.8 MN/m <sup>2</sup>
9.7 Specific Gravity: 0.971 at 20°C (solid)
9.8 Liquid Surface Tension: Not pertinent
9.9 Liquid Water Interfacial Tension: Not
pertinent
9.10 Vapor (Gas) Specific Gravity: Not pertinent
9.11 Ratio of Specific Heats of Vapor (Gas): Not pertinent
9.12 Latent Heat of Vaporization: Not pertinent
9.13 Heat of Combustion: Not pertinent
9.14 Heat of Decomposition: Not pertinent
9.15 Heat of Solution: Not pertinent
9.16 Heat of Polymerization: Not pertinent
9.17 Heat of Fusion: 27.4 cal/g
9.18 Limiting Value: Currently not available
9.19 Reid Vapor Pressure: Currently not available

## SODIUM

9.20 SATURATED LIQUID DENSITY		9.21 LIQUID HEAT CAPACITY		9.22 LIQUID THERMAL CONDUCTIVITY		9.23 LIQUID VISCOSITY	
Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F	Temperature (degrees F)	British thermal unit inch per hour-square foot-F	Temperature (degrees F)	Centipoise
	N O T		N O T		N O T		N O T
	P E R T I N E N T		P E R T I N E N T		P E R T I N E N T		P E R T I N E N T

9.24 SOLUBILITY IN WATER		9.25 SATURATED VAPOR PRESSURE		9.26 SATURATED VAPOR DENSITY		9.27 IDEAL GAS HEAT CAPACITY	
Temperature (degrees F)	Pounds per 100 pounds of water	Temperature (degrees F)	Pounds per square inch	Temperature (degrees F)	Pounds per cubic foot	Temperature (degrees F)	British thermal unit per pound-F
	R E A C T S		N O T P E R T I N E N T		N O T P E R T T N E N T		N O T P E R T I N E N T