



Safety Data Sheet

Material Name: SODIUM DISPERSION

SDS ID: 89044

*** Section 1 - Identification ***

Product Identifier

SODIUM DISPERSION

Synonyms

None

Recommended Use

Ingredient used in PCB oil dechlorination. If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

Restrictions on Use

None known.

Manufacturer Information

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Emergency # 1-620-251-6380

Issue Date

June 7, 2019

Supersedes Issue Date

June 1, 2015

Original Issue Date

June 11, 2009

*** Section 2 - Hazard(s) Identification ***

Classification in Accordance with 29 CFR 1910.1200.

Substances and Mixtures which, in Contact with Water, Emit Flammable Gases, Category 1
Skin Corrosion / Irritation, Category 1
Serious Eye Damage/Eye Irritation, Category 1

GHS LABEL ELEMENTS**Symbol(s)****Signal Word**

DANGER!

Hazard Statement(s)

In contact with water releases flammable gases, which may ignite spontaneously
Causes severe skin burns and eye damage

Precautionary Statement(s)**Prevention**

Do not allow contact with water. Handle under inert gas, protect from moisture. Do not breathe dust or mist. Wear protective gloves/clothing and eye/face protection. Wash thoroughly after handling.

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Response

In case of fire: Use appropriate media for extinction. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Brush off loose particles from skin and immerse in cool water/wrap in wet bandages. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

Storage

Store in a dry place. Store in a closed container. Store locked up.

Disposal

Dispose in accordance with all applicable local regulations.

Hazard(s) Not Otherwise Classified

None known.

*** Section 3 - Composition / Information on Ingredients ***

CAS	Component	Percent
Proprietary	Trade Secret	60-80
7440-23-5	Sodium	<50

*** Section 4 - First Aid Measures ***

Description of Necessary Measures

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get immediate medical attention.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Brush off loose particles from skin and immerse in cool water/wrap in wet bandages. Wash contaminated clothing before reuse.

Eyes

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Ingestion

IF SWALLOWED: Do NOT induce vomiting. Immediately get medical attention. Call 1-800-468-1760 for additional information. If spontaneous vomiting occurs, keep head below hips to avoid breathing the product into the lungs. Never give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

Skin burns, eye burns, respiratory tract burns, mucous membrane burns

Delayed

Pulmonary edema

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call 1-800-468-1760 for additional information.

*** Section 5 - Fire-Fighting Measures ***

Suitable Extinguishing Media

Requires special (Class D) extinguishing agents: Dry sand, dry powdered limestone

Unsuitable Extinguishing Media

Do NOT use water, alcohol resistant foam, carbon dioxide, and halogenated materials.

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Specific Hazards Arising from the Chemical

Contact with water or moist air may generate flammable and/or toxic gases. Dangerous when wet. May decompose violently above 50-70 °C.

Hazardous Combustion Products

Oxides of sodium

Special Protective Equipment and Precautions for Firefighters

A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures

For tank, rail car or tank truck, evacuation radius: 800 meters (1/2 mile). ALWAYS stay away from tanks engulfed in fire. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Move container from fire area if it can be done without risk. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn.

*** Section 6 - Accidental Release Measures ***

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Clean Up

Do not touch or walk through spilled product. Stop leak if you can do it without risk. Eliminate all ignition sources if safe to do so. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. A vapor suppressing foam may be used to reduce vapors. Contain spill away from surface water and sewers. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, sparkproof tool into a sealable container for disposal.

Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces. Dike far ahead of liquid spill for collection and later disposal.

There may be specific federal regulatory reporting requirements associated with spills, leaks, or releases of this product. Also see **SECTION 15: REGULATORY INFORMATION**.

*** Section 7 - Handling and Storage ***

Precautions for Safe Handling

Do not allow contact with water. Handle under inert gas, protect from moisture. Do not breathe vapor or mist. Do not get in eyes, on skin, or on clothing. Wear protective gloves and eye/face protection. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.

Conditions for Safe Storage, Including Any Incompatibilities

Store in a dry place and in a closed container. Store locked up. Keep container tightly closed when not in use and during transport. Empty product containers may retain product residue and can be dangerous.

Incompatibilities

Avoid acids, oxidizing agents, aldehydes, alkaline earth hydroxide solutions, ketones, epoxides, and halides.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Engineering Controls

Provide general ventilation. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels.

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Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Respiratory Protection

Use NIOSH-certified, air-supplied respirators (self-contained breathing apparatus or air-line) respiratory protective equipment when concentration of vapor or mist exceeds applicable exposure limits. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult a qualified Industrial Hygienist or Safety Professional for respirator selection guidance.

Glove Recommendations

Wear chemical resistant (impervious) gloves. To avoid prolonged or repeated contact where spills and splashes are likely, wear appropriate chemical-resistant faceshield, boots, apron, whole body suits, or other protective clothing.

Protective Materials

Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, Gloves, Lab coat or apron.

*** Section 9 - Physical & Chemical Properties ***

Appearance/Odor : White to gray paint like liquid, characteristic odor	pH: Not available
Odor Threshold: Not available	Boiling Point: Not available
Melting Point: Not available	Solubility (H₂O): Reacts violently with water
Specific Gravity: 0.93 (water=1)	Density: Not available
Octanol/H₂O Coeff.: Not available	Evaporation Rate: <0.1
Auto Ignition Temperature: 121 °C (249.8 °F)	LFL: Not available
Flash Point: >93.3 °C (>200 °F)	UFL: Not available
Viscosity: Not available	Vapor Pressure: Not available
Vapor Density: Not available	Decomposition Temperature: Not available
Percent Volatile: Not available	Freezing Point: Not available
Flash Point Method: Not available	Flammability (solid, gas): Not applicable

*** Section 10 - Stability & Reactivity ***

Reactivity

Contact with water or moist air may release flammable gases.

Chemical Stability

Reacts violently with water, releasing flammable gases.

Possibility of Hazardous Reactions

Will not polymerize under normal temperature and pressure conditions.

Conditions To Avoid

Keep away from heat, ignition sources and incompatible materials. Avoid contact with water.

Incompatible Materials

Avoid water, acids, air, and strong oxidizing materials.

Hazardous Decomposition Products

Oxides of carbon.

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*** Section 11 - Toxicological Information ***

Information on Likely Routes of Exposure

Inhalation

Burns, pulmonary edema

Skin Contact

Burns

Eye Contact

Burns, eye damage

Ingestion

Burns

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Product Toxicity Data

Acute Toxicity Estimate

No data available.

Immediate Effects

Skin burns, eye burns, respiratory tract burns, mucous membrane burns

Delayed Effects

Pulmonary edema

Irritation/Corrosivity Data

Skin burns, eye burns, respiratory tract burns, mucous membrane burns

Respiratory Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Dermal Sensitization

Based on best current information, there is no known human sensitization associated with this product.

Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, NTP, DFG or OSHA.

Germ Cell Mutagenicity

No information available for the product.

Tumorigenic Data

No data available

Reproductive Toxicity

No information available for the product.

Specific Target Organ Toxicity - Single Exposure

No target organs identified.

Specific Target Organ Toxicity - Repeated Exposure

No target organs identified.

Aspiration hazard

No information available for the product.

Medical Conditions Aggravated by Exposure

No information available.

Additional Data

No additional information is available.

*** Section 12 - Ecological Information ***

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

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Mobility

No information available for the product.

*** Section 13 - Disposal Considerations ***

Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers.

The responsibility for proper waste disposal lies with the owner of the waste. Contact Clean Harbors regarding proper recycling or disposal.

*** Section 14 - Transport Information ***

US DOT Information:

Shipping Name: ALKALI METAL DISPERSIONS , (Contains: Sodium)

Hazard Class: 4.3

UN/NA #: UN1391

Packing Group: I

Required Label(s): 4.3

IATA Information:

Shipping Name: ALKALI METAL DISPERSION , (Contains: Sodium)

Hazard Class: 4.3

UN#: UN1391

Packing Group: I

Required Label(s): 4.3

IMDG Information:

Shipping Name: ALKALI METAL DISPERSION , (Contains: Sodium)

Hazard Class: 4.3

UN#: UN1391

Packing Group: I

Required Label(s): 4.3

TDG Information:

Shipping Name: ALKALI METAL DISPERSION , (Contains: Sodium)

Hazard Class: 4.3

UN#: UN1391

Packing Group: I

Required Label(s): 4.3

International Bulk Chemical Code

This material does not contain any chemicals required by the IBC Code to be identified as dangerous chemicals in bulk.

Further information

138 Reference. North American Emergency Response Guidebook

*** Section 15 - Regulatory Information ***

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Sodium	7440-23-5
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CERCLA:	10 lb final RQ ; 4.54 kg final RQ
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SARA Section 311/312 (40 CFR 370 Subparts B and C) reporting categories

In contact with water, emits flammable gas; Skin Corrosion/Irritation; Serious Eye Damage/Eye Irritation

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Sodium	7440-23-5	Yes	Yes	No	Yes	Yes

California Safe Drinking Water and Toxic Enforcement Act (Proposition 65)

Not listed under California Proposition 65.

Component Analysis - Inventory

Trade Secret (Proprietary)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
No	No	No	No	No	No	No	No	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
No		No	No	No	No	No	No	

Sodium (7440-23-5)

US	CA	AU	CN	EU	JP - ENCS	JP - ISHL	KR KECI - Annex 1	KR KECI - Annex 2
Yes	DSL	Yes	Yes	EIN	Yes	Yes	Yes	No
KR - REACH CCA		MX	NZ	PH	TH-TECI	TW	VN (Draft)	
Yes		Yes	Yes	Yes	Yes	Yes	Yes	

***** Section 16 - Other Information *****

NFPA Ratings: Health: 3 Fire: 1 Reactivity: 2

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Revision Information

Regulatory review and update.

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR - Code of Federal Regulations (US); CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC - European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; F - Background (for Venezuela Biological Exposure Indices); IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods;

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ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; Ne- Non-specific; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; Nq - Non-quantitative; NSL – Non-Domestic Substance List (Canada); NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; Sc - Semi-quantitative; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); VN (Draft) - Vietnam (Draft); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

Disclaimer:

User assumes all risks incident to the use of this product. To the best of our knowledge, the information contained herein is accurate. However, Clean Harbors assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either expressed or implied, of merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to the information or the product to which the information refers. The data contained on this sheet apply to the product as supplied to the user.