

Section 1 Identification

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CHEMTREC 24 Hour Emergency
Phone Number (800) 424-9300
For laboratory and industrial use only.
Not for drug, food or household use.

Product	NEUTRAL DETERGENT SOLUTION CONCENTRATE
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Synonyms	N/A
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Section 2 Hazards identification

Signal word: DANGER**Pictograms:** GHS05 / GHS07 / GHS08**Target organs:** None Known**GHS Classification:**

Acute toxicity, oral (Category 4)

Skin irritation (Category 2)

Serious eye damage (Category 1)

Reproductive toxicity (Category 1B)

Aquatic toxicity, acute (Category 2)

Aquatic toxicity, chronic (Category 3)

GHS Label information: Hazard statement:

H302: Harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

H360: May damage fertility or the unborn child

H401: Toxic to aquatic life.

H412: Harmful to aquatic life with long lasting effects.

Precautionary statement:

P201: Obtain special instructions before use.

P202: Do not handle until all safety precautions have been read and understood.

P264: Wash hands thoroughly after handling.

P270: Do not eat, drink or smoke when using this product.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell.

P302+P352: IF ON SKIN: Wash with plenty of water and soap.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313: IF exposed or concerned: Get medical attention

P310: Immediately call a POISON CENTER or doctor.

P330: Rinse mouth.

P332+P313: If skin irritation occurs: Get medical attention.

P362+P364: Take off contaminated clothing and wash it before reuse.

P405: Store locked up.

P501: Dispose of contents/container to a licensed chemical disposal agency in accordance with local/regional/national regulations.

Hazards not otherwise classified:

Health hazards not otherwise classified (HHNOC) - Combustible Dust

Physical hazards not otherwise classified (PHNOC) - Not Known

Section 3 Composition / information on ingredients

Chemical Name	CAS #	%	EINECS
Sodium lauryl sulfate	151-21-3	50.0%	205-788-1
EDTA disodium, dihydrate	6381-92-6	31.0%	Not listed
Sodium borate, decahydrate	1303-96-4	11.4%	Not listed
Sodium phosphate, dibasic, anhydrous	7558-79-4	7.6%	231-448-7
*Contains:			
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	85586-07-8		287-809-4
Sodium sulfate	7757-82-6		231-820-9
Alcohols, C10-16	67762-41-8		267-019-6

Section 4 First aid measures

INGESTION: HARMFUL IF SWALLOWED. Call physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person.

INHALATION: HARMFUL IF INHALED. MAY CAUSE RESPIRATORY TRACT IRRITATION. Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

EYE CONTACT: CAUSES SERIOUS EYE DAMAGE. Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

SKIN ABSORPTION: MAY BE HARMFUL IF ABSORBED THROUGH SKIN. CAUSES SKIN IRRITATION. Remove contaminated clothing. Flush thoroughly with mild soap and water. If irritation occurs, get medical attention.

Section 5 Fire fighting measures

Suitable Extinguishing Media: Dry chemical, CO₂, water spray or regular foam.

Protective Actions for Fire-fighters: In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective gear. Use water spray to keep fire-exposed containers cool.

Specific Hazards: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. May form combustible dust concentrations in air. Do not use heavy stream of water. Use of heavy stream of water may spread the fire. Cool containers exposed to flames with water until well after the fire is out.

Section 6 Accidental release measures

Personal Precautions: Evacuate personnel to safe area. Use proper personal protective equipment as indicated in Section 8. Provide adequate ventilation.

Environmental Precautions: Avoid runoff into storm sewers and ditches which lead to waterways.

Containment and Cleanup: Sweep or vacuum up and place in a suitable container for proper disposal. Wash spill area with soap and water.

Precautions for Safe Handling: Read label on container before using. Do not wear contact lenses when working with chemicals. Keep out of reach of children. Avoid contact with eyes, skin and clothing. Minimize dust generation and accumulation. Do not inhale dusts. Use with adequate ventilation. Avoid ingestion. Wash thoroughly after handling. Remove and wash clothing before reuse.

Conditions for Safe Storage: Store in tightly closed original container. Store in a cool, dry, well-ventilated area away from incompatible substances. Keep away from ignition sources.

Section 8 Exposure controls / personal protection

Exposure Limits:	Chemical Name	ACGIH (TLV)	OSHA (PEL)	NIOSH (REL)
	Borate compounds, inorganic	TWA: 2 mg/m ³ STEL: 6 mg/m ³ (A4)	None established	None established

Engineering controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower and fire extinguishing material. Personnel should wear safety glasses, goggles, or faceshield, lab coat or apron, appropriate protective gloves. Use adequate ventilation to keep airborne concentrations low.

Respiratory protection: None should be needed in normal laboratory handling at room temperatures. If dusty conditions prevail, work in fume hood or wear a NIOSH/MSHA-approved respirator.

Section 9 Physical and chemical properties

Appearance: White to slight yellow powder.	Evaporation rate (= 1): Data not available	Partition coefficient: Data not available
Odor: Slight fatty odor.	Flammability (solid/gas): Data not available.	Auto-ignition temperature: Data not available
Odor threshold: Data not available.	Explosion limits: Lower / Upper: Data not available	Decomposition temperature: Data not available.
pH: Data not available.	Vapor pressure (mm Hg): Data not available	Viscosity: Data not available.
Melting / Freezing point: Data not available	Vapor density (Air = 1): Data not available	Molecular formula: Mixture
Boiling point: Data not available	Relative density (Specific gravity): Data not available	Molecular weight: Mixture
Flash point: Data not available	Solubility(ies): Soluble in water.	

Section 10 Stability and reactivity

Chemical stability: Stable

Hazardous polymerization: Will not occur.

Conditions to avoid: Excessive temperatures, heat, sparks, open flame and other sources of ignition. Avoid dispersal of dust and dust formation.

Incompatible materials: Strong oxidizers, acids, reducing agents, iron, brass, copper, copper alloys, aluminum, zinc, nickel, strong alkalis, alkaloids, antipyrine, chloral hydrate, pyrogallol, resorcinol, and lead acetate.

Hazardous decomposition products: Thermal decomposition may produce oxides of carbon, sulfur, sodium, boron, nitrogen, phosphorous, and ammonia.

Section 11 Toxicological information

Acute toxicity: Oral-rat LD50: 1200 mg/kg ; Dermal-rabbit LD50: 2000 mg/kg [Sodium Lauryl Sulfate] ; Inhalation-rat LC50: >20 mg/L [Sodium borate] ; Oral-rat LD50: >1,000 mg/kg [Sodium phosphate]

Skin corrosion/irritation: Skin-rabbit - Slight irritant.

Serious eye damage/irritation: Eyes-rabbit - Severe irritant.

Respiratory or skin sensitization: Data not available

Germ cell mutagenicity: Data not available

Carcinogenicity: Data not available

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: Animal ingestion studies indicate that ingestion of high doses cause reproductive and developmental effects. [Sodium borate]

STOT-single exposure: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with respiratory effects.

STOT-repeated exposure: Data not available

Aspiration hazard: Data not available

Potential health effects:

Inhalation: Inhalation may cause respiratory tract irritation, coughing, shortness of breath.

Ingestion: Ingestion may cause gastrointestinal irritation with nausea, vomiting, and diarrhea.

Skin: Causes skin irritation, dryness and rash. May cause allergic skin reaction.

Eyes: Contact with eyes causes permanent damage to the cornea, iris, or conjunctiva.

Signs and symptoms of exposure: To the best of our knowledge the chemical, physical and toxicological properties have not been thoroughly investigated. Specific data is not available. Exercise appropriate procedures to minimize potential hazards.

Additional information: RTECS #: AH4025000 [CAS # 60-00-4, EDTA disodium, dihydrate], VZ2275000 [Sodium borate], WC4500000 [Sodium phosphate]

Section 12 Ecological information

Toxicity to fish: Carassius auratus (goldfish, fresh water), LC50 = 65 mg B/L 7-day [Sodium tetraborate] , LC50: 3.6 mg/l, 96 hours [Sodium Lauryl Sulfate]

Toxicity to daphnia and other aquatic invertebrates: Daphnia magna (Daphnids), EC50 = 242 mg B/L 24-hour [Sodium tetraborate], EC50 1.37-4.7 mg/l, 48 hours [Sodium Lauryl Sulfate]

Toxicity to algae: Scenedesmus subspicatus (Green algae), EC10 = 24 mg B/L 96-hour [Sodium tetraborate], EC50 60 mg/l, 72 hours (Cell number) [Sodium Lauryl Sulfate]

Persistence and degradability: Readily Biodegradable **Bioaccumulative potential:** No data available

Mobility in soil: No data available

PBT and vPvB assessment: No data available

Other adverse effects: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Section 13 Disposal considerations

These disposal guidelines are intended for the disposal of catalog-size quantities only. Federal regulations may apply to empty container. State and/or local regulations may be different. Dispose of in accordance with all local, state and federal regulations or contract with a licensed chemical disposal agency.

Section 14 Transport information

UN/NA number: Not applicable

Shipping name: Not Regulated

Hazard class: Not applicable

Packing group: Not applicable

Reportable Quantity: No

Marine pollutant: No

Exceptions: Not applicable

2020 ERG Guide # Not applicable

Section 15 Regulatory information

A chemical is considered to be listed if the CAS number for the anhydrous form is on the Inventory list.

Component	TSCA	CERLCA (RQ)	RCRA code	DSL	NDSL	CA Prop 65
Sodium lauryl sulfate	Listed	Not listed	Not listed	Listed	Not listed	This product does not contain any chemicals known to the State of California to cause cancer or reproductive toxicity.
EDTA disodium, dihydrate	Listed	Not listed	Not listed	Listed	Not listed	
Sodium borate, decahydrate	Listed	Not listed	Not listed	Listed	Not listed	

Section 16 Other information

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. NTP: National Toxicology Program, IARC: International Agency for Research on Cancer, OSHA: Occupational Safety and Health Administration, STOT: Specific Target Organ Toxicity, SE: Single Exposure, RE: Repeated Exposure, ERG: Emergency Response Guidebook.