

SAFETY DATA SHEET

Product Name : 951P

Date Issued : April 11, 2024

SECTION 1 : PRODUCT AND COMPANY IDENTIFICATION

Product Name: 951P

Chemical Synonym / C# : c407

Formula : Multi-component mixture

Chemical Family: Mild alkaline detergent

Supplier : Americhem International, 412 East 6th Avenue, Altoona, Pa. 16602

Information Telephone : 800-262-4360

Emergency Telephone : 607-529-3218

SECTION 2 : HAZARD IDENTIFICATION

Form : Powder **Color :** yellow

Emergency Overview : Solutions and powders are severe eye irritants, and prolonged or repeated contact may cause skin irritation. Dusts and mists are irritating to the skin, mucous membranes, and upper respiratory tract. Read the entire SDS for a more thorough evaluation of the hazards.

OSHA Hazard Communication Standard : This product has been evaluated and classified as defined by OSHA Hazard Communication Standard, 29CFR 1910.1200.

GHS Classification :

Eye Irritant (Category 2A)

Acute toxicity (Category 5, oral and dermal)

Acute toxicity (Category 4, Inhalation, dust)

Label Elements :

Signal Word : Warning



GHS Hazard Pictograms :

Exclamation Mark

Hazard Statements :

H319: Causes serious eye irritation.

H303: May be harmful if swallowed.

H313: May be harmful in contact with skin.

H332: Harmful if inhaled (dust).

Precautionary Statements :

P260 Do not breathe dust/fume/gas/mist/vapors/spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash hands thoroughly after handling.

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

P280 : Wear eye protection/face protection.

P305 + P351 + P338 : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 : If eye irritation persists: Get medical advice/attention.

P301 + P330 + P331 + P310 : IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

P303 + P361 + P353 IF ON SKIN (or hair): Remove/Take off Immediately all contaminated clothing. Rinse SKIN with water/shower.

P333 + P313 IF SKIN irritation or rash occurs: Get medical advice/attention.

P304 + P341 IF INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P342 + P313 : If experiencing respiratory symptoms: Get medical advice/attention.

Other hazards which do not result in classification :

None known. See Section 11 for Potential Health Hazards

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SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	CAS #	% (w/w)
Sodium Tripolyphosphate	7758-29-4	40 - 50
Sodium Carbonate	497-19-8	10 - 20
Diethylene glycol n-butyl ether	112-34-5	1 - 5

Unlisted components are considered non-hazardous as per 29CFR1910.1200g2C. See section 15 for specific state right-to-know information if applicable.

SECTION 4 : FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

Ingestion: Rinse mouth with water. If swallowed, DO NOT INDUCE VOMITING. Give large quantities of water. Never give anything by mouth to an unconscious person. Get medical attention immediately.

Skin Contact: Immediately flush skin with plenty of soap and water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention. Wash clothing before reuse. Thoroughly clean shoes before reuse.

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Get medical attention immediately.

Note to Physician: Consider endoscopy in all suspected cases of **sodium carbonate** poisoning. Perform blood analysis to determine if dehydration, acidosis, or other electrolyte imbalances occurred.

SECTION 5 : FIRE FIGHTING MEASURES

Extinguishing Media: None required.

Fire Fighting Procedures: Not considered to be a fire hazard. Use caution when fighting any fire. Adequate respiratory protection is essential.

Unusual Fire and Explosion Hazards: Not considered an explosion hazard, but sodium carbonate may explode when applied to red-hot aluminum. Upon combustion: CO and CO₂ are formed. Reacts on exposure to water (moisture) with (some) metals.

SECTION 6 : ACCIDENTAL RELEASE MEASURES

Personal precautions :

Steps to be taken in case material is released or spilled:

Small or Large Spills: Stop leak at source and contain spill with dike made of inert material such as sand or diatomaceous earth. Prevent dust cloud formation. Knock down/dilute dust cloud with water spray. Sweep material to suitable container for possible reuse or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal. Violent exothermic reaction with (some) acids: release of harmful gases/vapours (carbon dioxide). Carbon dioxide is heavier than air and will collect in ducts, drains and low lying areas.

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SECTION 7 : HANDLING AND STORAGE

Handling: Avoid raising dust. Keep away from naked flames/heat. Observe normal hygiene standards. Handle with care. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Storage Requirements: Keep container closed and stored in a cool, dry, ventilated area. Protect against physical damage. Isolate from incompatible substances. Keep away from heat sources, (strong acids, metals, water/moisture. Containers of this material may be hazardous when empty since they retain product residues (dust, solids); observe all warnings and precautions listed for the product. Do not store in aluminum or zinc containers. Maintain eye wash fountain and quick-drench facilities in work area. For Industrial and commercial use only!

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

Hazardous Ingredient	ACGIH TLV (mg/m3) TWA	ACGIH TLV (mg/m3) STEL
Sodium Tripolyphosphate	-	-
Sodium Carbonate	-	-
Diethylene glycol n-butyl ether	-	-

Engineering measures :

Ventilation / Local Exhaust : A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.

Ventilation / Mechanical Recommendations: If necessary.

Personal protective equipment :

Respiratory Protection: Dust production: dust mask with filter type P1. For conditions of use where exposure to the dust or mist is apparent, a half-face dust/mist respirator may be worn. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

Skin Protection: Wear vinyl or rubber protective gloves and clean body-covering clothing.

Eye Protection: Use chemical safety goggles and/or full face shield where dusting or splashing of solutions is possible.

Other Protective Equipment: Vinyl apron (optional).

SECTION 9 : PHYSICAL AND CHEMICAL PROPERTIES

Appearance / Odor: Moist, yellow powder, odor nil.

Water Solubility: Complete

Specific Gravity: N/A

Evaporation Rate(water=1): N/A

Vapor Density(air=1) : N/A

Flash Point : None

pH (1%): 9.0

Boiling Point (°F) : 212+

% Volatile: N/A

Vapor Pressure(mmHg): N/A

Flash Point Method Used: N/A

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SECTION 10 : STABILITY AND REACTIVITY

Hazardous Decomposition Products: Violent exothermic reaction with (some) acids: release of harmful gases/vapours (carbon dioxide). Upon combustion: CO and CO₂ are formed.

Chemical Stability: Hygroscopic.

Conditions to Avoid: Avoid raising dust. Keep away from naked flames/heat.

Incompatibility with other Substances: (strong) acids, metals, water/moisture, aluminium, zinc.

Possibility of Hazardous Reactions: Reacts on exposure to water (moisture) with (some) metals. Violent exothermic reaction with (some) metals. Reacts with (strong) oxidizers.

Hazardous Polymerization: Will not occur.

SECTION 11 : TOXICOLOGICAL INFORMATION

Potential Health Hazards (as mild alkaline blend) :

Inhalation: Inhalation of mists or dusts may cause irritation to respiratory tract. Symptoms from excessive inhalation or of concentrated product may include gasping or coughing and difficulty breathing. Excessive contact may cause damage to the nasal septum.

Skin Contact: May cause mild irritation. Concentrated or prolonged contact may cause irritation with redness and blistering.

Eye Contact: May cause mild irritation. Concentrated or prolonged contact may cause conjunctival edema and corneal destruction.

Ingestion: Swallowing may produce gastrointestinal upset. Symptoms from ingestion of large doses may include severe abdominal pain, vomiting, and diarrhea.

Toxicological Data (as Sodium Tripolyphosphate) :

Acute Toxicity/Effects

Irritation: skn-rbt 500 mg/24H MOD;

Multi-dose Toxicity: orl-rat TDLo:2730 mg/kg/13W-I

Acute Toxicity - Dermal - Classification criteria not met; Acute Toxicity - Inhalation - Data lacking; Acute Toxicity - Oral - Classification criteria not met

Skin corrosion/irritation : OSHA HCS 2012 • Skin Irritation 2

Serious eye damage/eye irritation :

Respiratory sensitization : OSHA HCS 2012 • Data lacking

Skin sensitization : OSHA HCS 2012 • Data lacking

Germ cell mutagenicity : OSHA HCS 2012 • Data lacking

Carcinogenicity: OSHA HCS 2012 • Not relevant

Reproductive toxicity : OSHA HCS 2012 • Data lacking

Specific target organ toxicity - single exposure : OSHA HCS 2012 • Data lacking

Specific target organ toxicity - repeated exposure : OSHA HCS 2012 • Data lacking

Aspiration hazard : OSHA HCS 2012 • Not relevant

Chronic effects : No data available.

Toxicological Data (as Sodium Carbonate):

Acute Toxicity/Effects

Oral LD50 rat = 4090 mg/kg

Dermal LD50 = no data

Inhalation LC50 rat = 2.3 ml/l

Inhalation LC50 20 hr guinea pig = 800 mg/m³ moderate toxicity

Skin corrosion/irritation : Mild irritant (500 mg/24hr, rabbit). Minor irritation may occur on abraded skin. Not a sensitizer (tested at 0.25% solution).

Serious eye damage/eye irritation : Severe irritant (50 mg, rabbit).

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Toxicological Data (as Sodium Carbonate), *continued* :

Respiratory sensitization : Not determined, exemption according to REACH

Skin sensitization : Not determined, exemption according to REACH

Germ cell mutagenicity :

invitro : Escherichia coli = negative (experimental value, other method)

Bacteria (S.typhimurium) = ambiguous (read-across value, OECD 471 method)

invivo : No data available

Carcinogenicity: Not designated by IARC, NTP, ACGIH or OSHA as probable or suspected human carcinogens.

Reproductive toxicity :

Developmental toxicity (rat) : ≥ 245 mg/kg no effect (NOAEL parameter, other method, experimental value)

Effects on fertility : Not classified for carcinogenicity. Not classified for mutagenic or genotoxic toxicity. Not classified for reprotoxic or developmental toxicity

Specific target organ toxicity - single exposure : No relevant data available. Supplementary classification for repeated dose toxicity was not considered necessary.

Specific target organ toxicity - repeated exposure : no data

Aspiration hazard : no data

Chronic effects : Excessive, long term contact may produce "soda ulcers" on hands and perforation of the nasal septum. Sensitivity reactions may occur from prolonged and repeated exposure.

Toxicological Data (as Diethylene Glycol Mono Ethyl Ether) : No data.

Toxicological Data (as Diethylene glycol n-butyl ether):

Toxicity Data :

Acute dermal LD50 (Rabbit) = 2700 mg/kg

Acute oral LD50 (Guinea pig) = 2000 mg/kg

(Mouse) = 2400 mg/kg

(Rabbit) = 2200 mg/kg

(Rat) = 4500 mg/kg

Skin corrosion / irritation : Prolonged skin contact may cause temporary irritation.

Serious eye damage/eye irritation : Causes serious eye irritation.

Respiratory or skin sensitization : Not a respiratory sensitizer. Not expected to cause skin sensitization.

Germ cell mutagenicity : No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

Carcinogenicity : This product is not considered to be carcinogenic by IARC, ACGIH, NTP, or OSHA.

Reproductive toxicity : This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity - single exposure : Not classified.

Specific target organ toxicity - repeated exposure : Not classified.

Aspiration hazard : Not an aspiration hazard.

Chronic effects : Prolonged inhalation may be harmful.

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SECTION 12 : ECOLOGICAL INFORMATION

Ecotoxicological Information: No data found for the blended product.

Ecological Information (as Sodium Tripolyphosphate) :

Toxicity : No data found for product.

Persistence and degradability : No specific biodegradation test data located. While the alkalinity of this material is readily reduced in natural waters, the resulting phosphate may persist indefinitely or incorporate into biological systems.

Bioaccumulative potential : No data found for product.

Mobility in Soil : No data found for product.

Results of PBT and vPvB assessment : PBT and vPvB assessment has not been carried out.

Other adverse effects: No studies have been found.

Ecotoxicological Information (as Sodium Carbonate):

Toxicity :

96 – hour LC50: 265 – 565 mg/l (daphnia magna) (low toxicity)

300 – 320 mg/l (blue gill sunfish) (low toxicity)

96 – hour TLm: 1200 mg/l (mosquito-fish)

48 – hour TLm: 840 mg/l (mosquito-fish)

48 – hour EC50: 265 mg/l (daphnia magna)

5 Day EC 50: 242 mg/l (Nitzscheria linearis)

Chronic Ecotoxicity : 7 Day EC, biomass: 14 mg/l (phytoplankton)

Persistence and degradability :

Abiotic Degradation : Water (hydrolysis): degradation's products: carbonate (pH>10) / carbonic acid / carbon dioxide (pH<6).

Soil: Hydrolysis as a function of pH.

Biotic Degradation : Aerobic / anaerobic: Not applicable (inorganic compound)

Bioaccumulative potential : Not applicable (ionizable inorganic compound)

Mobility : Air: Not Applicable

Water: Considerable solubility and mobility. Soil / sediments: Non-significant adsorption

Comments : Observed effects are related to alkaline properties of the product. Product is not significantly hazardous for the environment

Ecotoxicological Information (as Diethylene glycol n-butyl ether):

Ecotoxicity : Fish LC50 (Bluegill/Lepomis macrochirus) = 1300 mg/L (96h)

Persistence and degradability : No data is available on the degradability of this product.

Bioaccumulative potential : Partition coefficient n-octanol / water (log Kow) = 0.56

Mobility in soil : No data available.

Other adverse effects : No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

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SECTION 13 : DISPOSAL CONSIDERATIONS

Waste Disposal Method: Recycle, recovery and reuse of materials, where permitted, is encouraged as an alternate to disposal as a waste. Hazardous waste classification under federal regulations (40 CFR Part 261 et seq) is dependent upon whether a material is a RCRA listed hazardous waste or has any of the four RCRA hazardous waste characteristics. Refer to 40 CFR Part 261.33 to determine if a given material to be disposed of is a RCRA listed hazardous waste. RCRA Hazardous Waste Characteristics: There are four characteristics defined in 40 CFR Section 261.21-61.24: *Ignitability, Corrosivity, Reactivity, and Toxicity*. To determine Ignitability, see Section 9 of this SDS (flash point). For Corrosivity, see Sections 9 and 14 (pH and DOT corrosivity). For Reactivity, see Section 10 (incompatible materials). For Toxicity, see Section 2 (composition). Federal regulations are subject to change. State and local requirements, which may differ from or be more stringent than the federal regulations, may also apply to the classification of the material if it is to be disposed.

Is the unused product a RCRA hazardous waste (40CFR261.33) if discarded? No

If yes, the RCRA ID number is : N/A

SECTION 14 : TRANSPORTATION INFORMATION

Transportation Emergency Telephone Number: 3E 24 hour number : (866)302-6855*

*Please refer to c# referenced in section 1 of this sds.

UN Number / DOT Proper Shipping Name / DOT Hazard Class /Packing Group / DOT Label & other information: NOT REGULATED BY DOT (mildly alkaline compound cleaning powder NOIBN)

SECTION 15 : REGULATORY INFORMATION

US FEDERAL REGULATIONS :

TSCA (Toxic Substances Control Act) Status : TSCA (United States) The intentional ingredients of this product are listed.

CERCLA RQ - 40 CFR 302.4(a) :

<u>Component</u>	<u>RQ (lbs)</u>
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none

Spills or releases resulting in the loss of any ingredient at or above its RQ requires immediate notification to the National Response Center (800) 424-8802 and to your Local Emergency Planning Committee.

SARA 302 Components - 40 CFR 355 Appendix A

<u>Section 302 Component(s)</u>	<u>TPQ (lbs)</u>	<u>RQ (lbs)</u>
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none

SARA 311/312 Classification - 40 CFR 370.2 :

(as Sodium Tripolyphosphate): Acute

(as sodium carbonate) Immediate (acute)

(as Diethylene glycol n-butyl ether) Immediate Hazard, Fire Hazard

SARA 313 Components - 40 CFR 372.65:

<u>Section 313 Component(s)</u>	<u>CAS #</u>	<u>%</u>
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none

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INTERNATIONAL REGULATIONS :

Sodium Tripolyphosphate (CAS#772288-5) is in compliance or listed on the following inventories : Canada (DSL), China, EU EINECS, New Zealand, Philippines (PICCS)

Sodium Carbonate is listed on the following inventories :

WHMIS Classification (Canada) D2B Toxic Class E Corrosive
DSL (Canada); EINECS Inventory (207-838-8); European Union Annex I (Substances directive) (011-005-00-2 Xi, R-36); German Water Classification (Hazard class 1, low hazard to waters); EU Food Additives Directive (95/2/EC) Annex I Generally Permitted for Use in Food (E500); Sodium Carbonate is also found in the chemical inventories of Australia, China, Korea, Japan and the Philippines.

Diethylene glycol n-butyl ether (CAS#112-34-5) : is *not* listed or is exempt from listing on the inventory administered by the governing countries : AICS (Australia Inventory of Chemical Substances), DSL (Canadian Domestic Substances List), NDSL (Canada), IECSC (Inventory of Existing Chemical Substances in China), EINECS (European Inventory of Existing Commercial Chemical Substances), ELINCS (European List of Notified Chemical Substances), ENCS (Japan - Existing and New Chemical Substances Inventory), ECL (Korea's Existing Chemicals List), New Zealand Inventory, PICCS (Philippines Inventory of Chemicals and Chemical Substances)

STATE REGULATIONS :

California Safe Drinking Water Act (Prop. 65) Listing : None listed

Other Regulations / Legislation which apply to this product:

Sodium Tripolyphosphate is on the following lists : Massachusetts Substance List, New Jersey Right to Know Hazardous Substance List, Pennsylvania Hazardous Substance List

Diethylene glycol n-butyl ether (CAS#112-34-5) : is *not* regulated by community Right to Know Acts of MA, NJ, PA, or RI.

SECTION 16 : OTHER INFORMATION

NFPA Rating : HEALTH: 2 FLAMMABILITY: 0 REACTIVITY: 0
NFPA hazard degree designation 704: 4 = extreme, 3 = high, 2 = moderate, 1 = slight, 0 = none.

Revision Date : 12/23/2019

Information and data compiled to compose this SDS is correct to the best of our knowledge as of the printed date, and is offered solely for your consideration, investigation, and verification.