



Safety Data Sheet

Section 1 – Identification

Product Identifier: Ship Shape Comb and Brush Cleaner

Other means of Identification: Specialty Chemical, Commercial Cleaner

Name and Address of Responsible Parties:

King Research, Inc

7025 W Marcia Rd, Milwaukee, WI 53223

Information Telephone #: 1-800-222-8160

24 Hr. Emergency Telephone Number: INFOTRAC- 1-800-535-5053

International 24 Hr. Emergency Telephone Number: INFOTRAC – 1-352-323-3500

Contract # - 106253

Section 2 – Hazards Identification

Classification of the Chemical: Free Flowing Orange Powder

This material is classified as hazardous under OSHA regulations (29 CFR 1910.1200) (Hazcom 2012).

Hazardous classification: Skin irritation – Category 2
Eye irritation – Category 2A

Label elements:

Signal Word: Warning

Hazard Statements: Causes Skin irritation.
Causes Serious Eye irritation.

Precautionary Statements: Wash hands thoroughly after handling.
If on Skin: Wash with plenty of soap and water.
Wear skin/eye protection when handling.
If skin irritation occurs get medical advice/attention.
Take off contaminated clothing and wash before reuse.
If in eyes: Rinse cautiously with water for 15 minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists get medical advice/attention.

Section 2 – Hazards Identification (Continued)

Hazard Pictogram(s):



Other Hazards not otherwise classified: None known.

Section 3 – Composition/Information on Ingredients

Chemical Name, Common Name	CAS #	Concentration wt/wt(*)
Sodium sesquicarbonate	6106-20-3	>30
Sodium metasilicate	6834-92-0	1 - 5
Sodium carbonate	497-19-8	1 - 5
Pentasodium triphosphate	7758-29-4	5 - 15

Note: The exact concentrations of the chemical(s) above are being withheld as a trade secret.

Section 4 – First-Aid Measures

Description of first aid measures:

Inhalation: If inhaled remove victim to fresh air and keep at rest. Call a poison center or physician if you feel unwell.

Skin contact: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation occurs get medical advice/attention.

Eye contact: If product gets in eyes flush with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists seek medical advice/attention.

Ingestion: Do NOT induce vomiting unless instructed by medical personal. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed:

Causes skin irritation.

Causes eye irritation.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically

Section 5 – Fire-Fighting Measures

Extinguishing media:

Suitable extinguishing media: Water fog, Carbon dioxide, Dry chemical, Foam

Unsuitable extinguishing media: Not available

Special hazards arising from the substance or mixture: None Known

Flammability classification: Not flammable by OSHA criteria.

Hazardous combustion products: Oxides of phosphorus, sodium oxides, carbon oxides.

Special protective equipment and precautions for firefighters:

Protective equipment for fire-fighters: Firefighters should wear proper protective equipment (Bunker gear) and self-contained breathing apparatus with full face operated in positive pressure mode.

Section 6 – Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:

All persons dealing with the clean-up should the appropriate chemically protective equipment. Keep people away from and upwind of spill/leak. Restrict access to area until completion of clean-up.

Methods and materials for containment and clean up:

Do not allow material to contaminate ground water system. If necessary, dike well ahead of the spill to prevent run-off into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Scoop up material and place into suitable container(s). Dispose of according to local, state and federal regulations.

Section 7 – Handling and Storage

Precautions for safe handling:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves and eye protection. Do not breathe dust. Adequate ventilation should be supplied. Avoid contact with skin, eyes and clothing. Keep away from heat. Keep container tightly closed.

Conditions for safe storage:

Store in cool, dry and well ventilated place. Containers should be clearly identified, clear of obstructions and accessible only to authorized personnel. Have appropriate fire extinguishers/sprinkler system in place. Spill clean-up equipment should be in or near storage area.

Incompatible materials: Strong Oxidizers, Strong Acids, Strong Bases

Section 8 – Exposure Controls/Personal Protection

Exposure controls:

Ventilation and engineering measures: Use in well ventilated area. Apply technical measures to comply with occupational exposure limits if needed.

Respiratory measures: If airborne concentrations are causing irritation use NIOSH approved dust mask (N95) or other approved NIOSH respirator.

Skin Protection: Wear protective gloves. Where extensive exposure to the product is possible, use resistant apron/suit and boots.

Eye/face Protection: Goggles or safety glasses with side shields.

Other Protective equipment: Ensure that eyewash stations and a safety shower are close to the workstation(s).

General hygiene considerations: Do not breathe dust. Avoid contact with eyes, skin and clothing. Do not eat, drink or smoke when using this product. Wash hands after handling. Remove and wash all contaminated clothing before re-use. Handle in accordance with good industrial hygiene and safety practice.

Section 9 – Physical and Chemical Properties

Appearance: Orange powder

Odor: Lemon

Odor threshold: Not available

pH: Not available

Melting/Freezing pointing: Not available

Boiling point and boiling range: >100C (212F)

Flash point: Not available

Evaporation point (Butyl Acetate=1): Not available

Flammability (method determination): Not available

Lower flammability limit (% by vol.): Not available

Upper flammability limit (% by vol.): Not available

Vapor pressure: Not available

Vapor density: Not available

Relative density: Not available

Solubility in water: Completely Soluble

Partition Coefficient (n-octanol/water): Not available

Auto ignition temperature: Not available

Decomposition temperature: Not available

Viscosity: Not available

Volatiles (% by wt): Not available

Volatile organic compounds: Not available

Other physical/chemical comments: No addition information.

Section 10 – Stability and Reactivity

Reactivity: Not normally reactive.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Hazardous polymerization does not occur.

Conditions to avoid: incompatible materials

Incompatible materials: Strong oxidizers, strong acids, strong bases.

Hazardous decomposition products: None known based on information supplied

Section 11 – Toxicological Information

Potential Health Effects:

Signs and symptoms of short term exposure:

Signs and symptoms: Inhalation – May cause respiratory irritation.

Signs and symptoms: Ingestion – Ingestion may cause gastrointestinal irritation, nausea.

Signs and symptoms: Skin – May cause irritation.

Signs and symptoms: Eyes – May cause severe irritation.

Potential Chronic Health Effects: None known

Mutagenicity: Not expected to be mutagenic in humans.

Carcinogenicity: No components are listed as carcinogens by ACGIH, IARC, OSHA or NTP.

Reproductive effects: Not hazardous by OSHA criteria.

Sensitization to material: No data available to indicate product may be a sensitizer.

Specific target organ effects: Skin and eye irritation. Respiratory irritation.

Medical conditions aggravated by overexposure: Pre-existing skin, eye and respiratory conditions.

Toxicological data: LD50 Oral 7144 mg/kg, Calculated
LD50 Dermal 14,539 mg/kg, Calculated

Section 12 – Ecological Information

Ecotoxicity: This product itself has not been tested for Ecotoxicity.

Pentasodium Triphosphate – LC50 48h Fish = 1,650 mg/L (Leuciscus idus)

Mobility in Soil: This product itself has not been tested.

Section 12 – Ecological Information (Continued)

Persistence and degradability: This product itself has not been tested.

Bioaccumulation potential: This product itself has not been tested.

Other adverse Environmental effects: None Known.

Section 13 – Disposal Information

Handling for disposal: Handle in accordance with good industrial hygiene and safety practice. Refer to protective measures listed in sections 7 and 8.

Methods of disposal: Dispose in accordance with all applicable federal, state, provincial and local regulation. Contact your federal, state, provincial and local authorities for specific rules.

Section 14 – Transportation Information

US 49 CFR/DOT Hazard Classification: Not DOT Regulated

DOT Marine Pollutants: This product does not contain Marine Pollutants as defined in CFR 49 171.8.

IMDG/IMO Code Shipping Classification: Not IMDG Regulated
Not classified as a marine pollutant.

ICAO/IATA Code Shipping Classification: Not ICAO/IATA Regulated.
Not classified as a marine pollutant.

Special Transportation Notes: None

Section 15 – Regulatory Information

US Federal Information:

TSCA: All listed ingredients appear on the Toxic Substances Control Act.

SARA Title III: Sec. 302, Extremely Hazardous Substances, 40 CFR 355:
No extremely hazardous substances are present in this material.

SARA Title III: Sec. 311 and 312, MSDS Requirements, 40 CFR 370 Hazard Classes: Acute Health Hazard. Under SARA Section 311 and 312, the EPA has established threshold quantities for the reporting of hazardous chemicals. The current thresholds are 500 pounds for the threshold planning quantity (TPQ), whichever is lower, for extremely hazardous substances and 10,000 pounds for all other hazardous chemicals.

Section 15 – Regulatory Information (Continued)**SARA Title III: Sec. 313, Toxic Chemicals Notification, 40 CFR 372:**

No components are present in this material.

CERCLA, 40 CFR 302: This product, as supplied, contains one or more substances regulated as hazardous under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA):

Pentasodium Triphosphate – Hazardous Substances Reporting Quantity: 5,000lb

State Regulations:

California Proposition 65: This product does not contain any chemical known to the State of California to cause, birth defect, reproductive harm or cancer.

Right-to-Know Regulations: Massachusetts – Pentasodium Triphosphate
 Pennsylvania – Pentasodium Triphosphate

International Information:

Canadian Environmental Protection Act (CEPA) information: All ingredients listed appear on the Domestic Substances List (DSL).

Section 16 – Other Information**Disclaimer**

The information continued herein is based on the manufactures' own study and the work of others, implied, as to the accuracy, completeness or adequacy of the information contained herein, and neither the provider nor the manufacturer (nor the agents, directors, officers, contractors or employees of either) are liable to any party for any damages of any nature, including direct, special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy or furnishing of any information in this SDS, or in any other way related (directly or indirectly) to this SDS. The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for the safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any other process.

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