



Safety Data Sheet

Section 1: Identification

Trade Name: Sodium tetraborate, anhydrous

Synonyms: Zinc oxide; Chinese white; zinc white; flowers of zinc.

Company: Soapgoods Inc

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CAS: 8011-96-9.

Chemical Formula: ZnO. & Fe2O3

Section 2: Hazard(s) Identification

Appearance: Pink powder. CAUTION! NUISANCE DUST. May cause eye and skin irritation.

Target Organs: No data found.

GHS Classification

Skin irritation (Category 3)

Eye irritation (Category 2B)

Acute aquatic toxicity (Category 1)

Signal Word: WARNING

Hazard statement(s)

H316 Causes mild skin irritation.

H320 Causes eye irritation.

H400 May be toxic to aquatic life.

Precautionary statement(s)

P273 Avoid release to the environment.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present

and easy to do. Continue rinsing

Section 3: Composition/Information on Ingredients

Chemical Name	CAS No	% Content	Hazardous
Zinc Oxide	1314-13-2	99.5%	No
Ferric Oxide	1309-37-1	0.5%	No

HMIS classification NFPA Rating

Health Hazard: 2	Health Hazard: 2
Flammability: 0	Fire: 0
Physical Hazards: 0	Reactivity hazard: 0
Personal Protection: E	Special Hazard: -

Potential Health Effects:

Eye: May cause eye redness or pain.

Skin: Excessive skin contact may cause itching

Ingestion: Large oral doses may cause irritation to the gastrointestinal tract.

Inhalation: May irritate the respiratory tract, Excessive concentrations of the nuisance dust may cause unpleasant deposits in the nasal passages. At high air concentrations 'zinc chills' can occur, with symptoms of weakness, fatigue, nausea, and chills.

Section 4: First-Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids.

Get medical advice if irritation develops.

Skin: In case of contact, flush skin with plenty of water for at least 15 minutes while removing contaminated clothes and shoes. Get medical attention if irritation develops or persists.

Ingestion: If victim is conscious and alert, give 2-4 cupfuls water or milk to drink. If large amount were swallowed, get medical advice. NEVER give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

Section 5: Fire-Fighting Measures

General Information: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH

(approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Vapors may be heavier than air. They can spread along the ground and collect in low or confined areas.

Extinguishing Media: Use any means suitable for extinguishing surrounding fire.

Flash Point: Not applicable.

Auto-ignition Temperature: Not available.

Explosion Limits, Lower/Upper: Not considered to be an explosion hazard.

Section 6: Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

Section 7: Handling and Storage

Handling: Wash thoroughly after handling. Use with adequate ventilation. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid breathing dust.

Storage: Store in a tightly closed container. Store in a cool, dry, well-ventilated area away from incompatible substances.

Section 8: Exposure Controls/Personal Protection

Engineering Controls: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use adequate ventilation to keep airborne concentrations low.

Exposure Limits

Chemical Name	ACGIH	NIOSH	OSHA - Final PELs
Calamine Powder	None listed	None listed	None listed

Eyes: Use chemical safety goggles. Contact lenses should not be worn when working with this material.

Maintain eye wash fountain and quick-drench facilities in work area.

Skin: Wear protective gloves and clean body-covering clothing.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: If the TLV is exceeded, a dust/mister respirator may be worn up to ten times the TLV. Consult respirator supplier for details.

Section 9: Physical and Chemical Properties

Appearance: Pink powder.

Odor: Odorless.

pH: Not available.

Vapor Pressure: No information found.

Vapor Density: No information found.

Evaporation Rate: No information found.

Viscosity: Not available.

Boiling Point: Sublimes.

Freezing/Melting Point: 1975 C (3587 F).

Decomposition Temperature: No information available.

Solubility: Insoluble in water.

Specific Gravity/Density: 5.7.

Molecular Formula: ZnO & Fe₂O₃

Molecular Weight: 81.38 for zinc oxide

Section 10: Stability and Reactivity

Chemical Stability: Stable under ordinary conditions of use and storage.

Conditions to Avoid: Dust generations, oxidants.

Incompatibilities with Other Materials: Has exploded when mixed with chlorinated rubber. Reacts violently with magnesium, linseed oil. Zinc oxide and magnesium can react explosively when heated.

Hazardous Decomposition Products: When heated to very high temperatures, zinc oxide sublimates to produce toxic fumes.

Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

RTECS: CAS#8011-96-9: No information available

LD50/LC50: CAS#8011-96-9: Acute oral toxicity (LD50): 7950 mg/kg

Carcinogenicity: CAS#8011-96-9: Not listed by ACGIH, IARC, NIOSH, NTP, or OSHA.

Epidemiology: No information available.

Teratogenicity: No information available.

Reproductive Effects: No information available.

Neurotoxicity: No information available.

Mutagenicity: Mammalian somatic cells / yeast/ bacteria.

Other Studies: May be hazard if inhaled. May cause slight skin irritation.

Section 12: Ecological Information

Environmental Fate: No information available.

Environmental Toxicity: No data available.

Section 13: Disposal Considerations

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA

guidelines for the classification determination are listed in 40 CFR Parts 261.3. Additionally, waste generators must consult

state and local hazardous waste regulations to ensure complete and accurate classification.

RCRA P-Series: None listed

RCRA U-Series: None listed.

Section 14: Transport Information

Not regulated

Section 15: Regulatory Information

US FEDERAL

TSCA: CAS#8011-96-9: is not listed on the TSCA inventory.

Health & Safety Reporting List: None of the chemicals are on the Health & Safety Reporting List.

Chemical Test Rules: None of the chemicals in this product are under a Chemical Test Rule.

Section 12b: None of the chemicals are listed under TSCA Section 12b.

TSCA Significant New Use Rule :None of the chemicals in this material have a SNUR under TSCA.

SARA

CERCLA Hazardous Substances and corresponding RQs

None of the chemicals in this material have an RQ.

SARA Section 302 Extremely Hazardous Substances: None of the chemicals in this product have a TPQ.

Section 313: No chemicals are reportable under Section 313.

Clean Air Act

This material does not contain any hazardous air pollutants. This material does not contain any Class 1 Ozone depletors.

This material does not contain any Class 2 Ozone depletors.

Clean Water Act

None of the chemicals in this product are listed as Hazardous Substances under the CWA. None of the chemicals in this

product are listed as Priority Pollutants under the CWA. None of the chemicals in this product are listed as Toxic Pollutants

under the CWA.

OSHA: None of the chemicals in this product are considered highly hazardous by OSHA.

STATE: CAS#8011-96-9 is not present on state lists from CA, PA, MA, MN, FL, or NJ.

California No Significant Risk Level: None of the chemicals in this product are listed.

EUROPEAN/INTERNATIONAL REGULATIONS

European Labeling in Accordance with EC Directives

Hazardous Symbols: Not available

Risk Phrases: Not available

Safety Phrases: Not available

WGK (Water Danger/Protection): CAS#8011-96-9

Canada – DSL/NDSL: CAS#8011-96-9: is not available.

Canada – WHMIS: WHMIS is not available.

CAS#8011-96-9: is not listed on Canada's Ingredient Disclosure List.

Exposure Limits

Section 16: Other Information

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