



SK – 104

Safety Data Sheet

Revision Date: May 2015

Revision Number 1

1. IDENTIFICATION

Production Identifier: **SK – 104**

Other means of identification:

SDS # SK – 104

Recommended use of the chemical and restrictions on use:
Recommended use: traction aid in food plants

Details of the supplier of the safety data sheet

Supplier address:

StartKleen
193 Wall Street Road
Gunter, Texas 75058

Emergency Telephone numbers

Company Phone number: 903-207-1079, 7AM – 6 PM M-F

24 – Hr. Emergency Phone: InfoTrac North America 800-535-5053 International 1-352-323-3500

2. HAZARDS IDENTIFICATION

Appearance Light Blue Powder

Physical State Powder (Solid)

Classification

GHS Classification in accordance with 29 CFR 1910.1200 (OSHA HCS)
Reproductive toxicity (category2), H361 suspected of damaging fertility or the unborn child
Eye irritant (category 2), H319 causes serious eye irritation.
Acute Oral (category 5), H303 may be harmful if swallowed.

Signal word Warning



Hazard Statement

Suspected of damaging fertility or the unborn child
Causes serious eye irritation
May be harmful if swallowed

Precautionary statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
If in eyes rinse cautiously with cool water for several minutes. Remove contact lenses if possible.
If exposed or concerned : Get medical attention.

Precautionary Statements - Storage

Store locked up

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Other Hazards

Large amounts can be harmful to plants and other species. Therefore releases to the environment should be minimized.

3. COMPOSITION/ INFORMATION ON INGREDIENT

Component	CAS Number	% Weight
Borax pentahydrate	121179-04-03	>90
Blend of Cationic Surfactants	Proprietary	3-5

If chemical name/CAS is "proprietary" and weight is % is listed as a range, the specific chemical identity has been withheld as a trade secret.

4. FIRST AID MEASURES

General Advise Move out of dangerous area. Seek medical attention. Show this safety data sheet to the doctor.

Eye Contact: Rinse eyes thoroughly with plenty of cool water, after initial rinsing, remove any contact lenses and continue flushing for at least 15 minutes. Seek medical attention immediately.

Skin Contact: Wash off with cool water for 15 minutes, call a physician.

Ingestion: If large amounts are swallowed (ie: more than one teaspoon), drink 1 or 2 glasses of water, call a physician or poison control center immediately, never give an unconscious person anything by mouth.

Inhalation: Move to fresh air, if note breathing gives artificial respiration. If symptoms persist Seek medical attention.

Note to physicians: Observation only is required for adult ingestion of less than 7 grams. For ingestion in excess of 7 grams, maintain adequate kidney function and force fluids. Gastric lavage is recommended for symptomatic patients only.

5. FIRE- FIGHTING MEASURES

Fire Hazard: This product is not flammable

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and surrounding environment.

Specific hazards arising from the chemical: This product causes burns to eyes, skin, and mucous membranes.

Protective Equipment and Precautions for fire-fighting: Wear a self contained breathing apparatus pressure-demand, MSHA/NIOSH and full protective turn out gear.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective clothing; avoid contact with skin, eyes and clothing use protective equipment. Avoid dust formations; wear a personal respirator in high levels of airborne dust.

Environmental precautions: Do not discharge into storm drains, sanitary sewers, surface waters, or ground water, at high levels of concentration cause damage to trees and vegetation.

Spill Cleanup: Spills should be contained, soak up material with inert material such as sand, sawdust, general purpose binders, and placed in suitable containers for disposal. Dispose of absorbed material in accordance with regulations. For small amounts pick up with broom and shovel, for large spills contain and store in suitable containers. Sweep or shovel up large spills,

7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes and clothing. Avoid dust formation, Use personal protective equipment. **Storage:** Keep containers closed in a dry, cool and well ventilated place. Do not store near acids, keep away from metals.

Advice on safe handling: Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in paragraph 8. Avoid contact with skin , eyes, or clothing.

Conditions for safe storage, including incompatibilities

Storage conditions Keep container tightly closed and store in a cool, dry and well ventilated place.

8. EXPOSURE CONTROLS and PERSONAL PROTECTION

Control Parameters

Respect regulatory provisions for dust (total and respirable)

ACGIH/TLV	10 mg/m ³
Cal OSHA/PEL	10 mg/m ³
OSHA/PEL (total dust)	15mg/ m ³
OSHA/PEL (respirable dust)	5mg/m ³

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas. Eyewash stations. Showers.

Individual protection measures, such as personal protective equipment

Eye/Face Protection Wear eye/face protection.

Skin and Body Protection Chemical resistant protective gloves. Aprons.

respiratory protection ensure adequate ventilation, especially in confined areas. Use respirator and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU)

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL and CHEMICAL PROPERTIES

Appearance: light blue

Form: Powder or crystalline solid

pH: < 10

Water soluble: soluble

Property Values Remarks • Method
pH <10
Melting Point/Freezing Point Not determined
Boiling Point/Boiling Range Not determined
Flash Point Not determined
Evaporation Rate Not determined
Flammability (Solid, Gas) Liquid-Not applicable
Upper Flammability Limits Not determined
Lower Flammability Limit Not determined
Vapor Pressure Not determined
Vapor Density Not determined
Specific Gravity 1.81 gr/cm³ @ 20 C
Water Solubility Soluble in water
Solubility in other solvents Not determined
Partition Coefficient Not determined
Auto-ignition Temperature Not determined
Decomposition Temperature Not determined
Kinematic Viscosity Not determined Dynamic Viscosity Not determined
Explosive Properties Not determined
Oxidizing Properties Not determined

10. STABILITY and REACTIVITY

Reactivity: No data available

Chemical stability: Stable under normal ambient and anticipated storage and handling conditions

Possibility of hazardous reactions: Reactions with strong reducing agents such as metal hydrides, acetic, anhydride or alkali metals will generate flammable hydrogen gas which could create an explosive hazard.

Conditions to avoid: Exposure to moisture and incompatible materials.

Incompatible materials: Avoid strong reducing agents such as metal hydrides, acetic, anhydride or alkali metals

Hazardous decomposition products: Boranes, hydrogen, boron oxides.

11. TOXICOLOGICAL INFORMATION

Information on toxicological effect:

Acute toxicity: low acute oral toxicity: LD50 in rats is 3200 to 3500 mg/kg of body weight

Skin corrosion/Irritation: Low acute dermal toxicity: LD50 in rabbits is greater than 2000 mg/kg of body weight.

Serious eye damage/irritation: serious eye irritant.

Respiratory or skin sensitization: can be a skin irritant.

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.

ACGIH 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 ACGIH

NTP: 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 NTP

OSHA: 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 OSHA

Reproductive toxicity : Animal studies in rat, mouse and dog at high does, have demonstrated effects on fertility and testes. Studies with chemically related boric acid in rat, mouse, rabbits at high doses demonstrate developmental effects on the fetus including fetal weight loss and minor skeletal variations. The doses administered were many times in excess of those which humans would normally be exposed to. A recent epidemiology study under the conditions of normal occupational exposure to borate dusts indicated no effect on fertility.

Other information: The product has not been tested; the statements on toxicology are based on the properties of the individual components.

12. ECOLOGICAL INFORMATION

Boron occurs naturally in sea water at an average concentration of 5 mg B/l and fresh water at 1 mg B/l or less. In dilute aqueous solutions the predominant boron species present is undissociated boric acid. Not bio-accumulative.

Green algae 72 hour EC50= 40 mg B/L or 229 mg boric acid/L

Fish, fathead minnow, 96 hour LC 50=79.7 mg B/L or 456 boric acid/L or 619 mg disodium tetraborate, anhydrous.

Boron is naturally occurring and ubiquitous in the environment. Borax is a naturally occurring borate. No significant bio accumulative, Borax is the primary ingredient in this product.

13. DISPOSAL CONSIDERATIONS

Waste Disposal of substance: Dispose of in accordance with local regulations

Container Disposal: Empty containers should be sent to local recycling center.

14. TRANSPORT INFORMATION

Not Regulated by U. S. D.O.T.

IMDG / IATA : Not a dangerous good

15. REGULATORY INFORMATION

It should be noted that borates are safe under conditions of normal handling and use, besides, they are essential nutrients to plants, and research shows that they play beneficial role in human health.

Component	TSCA	DSL	NDSL	EINECS	ELINCS	ENCS	CHINA	KECL	PICCS	AICS
Borax	X	X		X	X					

USA

Federal Regulations – TSCA Complies

California Proposition 65: This product does not contain any Proposition chemicals

State Right to Know

Component	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
Borax					

16. OTHER INFORMATION

Revision Date: May 2015 Revision number: 1

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, and is presented in good faith to be accurate. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release. This should not be considered a warranty or quality specification. The information relates only to the product designated herein.