



SAFETY DATA SHEET

Issuing Date No data available

Revision Date 3-March 2015

Revision Number 0

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

GHS product identifier

Product Name L-19 Special

Other means of identification

Product Code(s) 1219004

Synonyms N/A

Recommended use of the chemical and restrictions on use

Recommended Use Institutional laundry detergent

Uses advised against No Information Available

Supplier's details

Supplier Address
Birsch Industries
476 Viking Drive
Virginia Beach, VA. 23452
TEL: 757-622-0355

Emergency telephone number

Emergency Telephone Number CHEM-TEL, INC.
24 Hour Emergency Contact 1-800-255-3924

2. HAZARDS IDENTIFICATION

Classification

SERIOUS EYE DAMAGE/EYE IRRITATION – Category 2
SKIN CORROSION/IRRITATION – Category 2

GHS Label elements, including precautionary statements

Emergency Overview

| | |
|-------------|---------|
| Signal Word | WARNING |
|-------------|---------|

Hazard Statements

- Causes serious eye irritation
- Causes skin irritation

Appearance Clear**Physical State** Solid**Odor** N/A**Symbol:****Precautionary Statements****Prevention**

Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

General Advice

N/A

Eyes

IF IN EYES, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. If eye irritation persists, get medical advice/attention.

Skin

IF ON SKIN, wash with plenty of soap and water. If skin irritation occurs, get medical advice/attention. Take off contaminated clothing and wash before reuse.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms

| Chemical Name | CAS-No | Weight % | Notes |
|------------------------------------|-----------|----------|-------|
| Sodium chloride | 7647-14-5 | > 30 | * |
| Sodium carbonate | 497-19-8 | 15-30 | * |
| Sodium metasilicate | 6834-92-0 | 1-5 | * |
| Ethylene oxide-Nonylphenol polymer | 9016-45-9 | 1-5 | * |

* The exact percentage (concentration) of composition has been withheld as a trade secret.

4. FIRST AID MEASURES

Description of necessary first-aid measures**Eye Contact**

Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Get medical attention if symptoms occur.

Skin Contact

Wash skin with soap and water. Remove and wash contaminated clothing before reuse. If symptoms persist, call a physician.

Inhalation

Move to fresh air. If breathing is difficult, give oxygen. If symptoms persist, call a physician.

Ingestion

Drink plenty of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. If swallowed, seek medical attention.

Indication of immediate medical attention and special treatment needed, if necessary

Notes to Physician Treat symptomatically

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Specific Hazards Arising from the Chemical

No information available

Hazardous Thermal Decomposition Products

No information available

Specific Fire-Fighting Methods

No information available

Protective Equipment and Precautions for Firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions

Ensure adequate ventilation. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Stop leak if you can do it without risk. If spilled, take caution, as material can cause surfaces to become slippery.

Environmental Precautions

Environmental Precautions

Dispose of contents/container to an approved waste disposal plant.

Methods and materials for containment and cleaning up

Methods for Cleaning Up

Stop leak if you can do it without risk. Contain spill, dilute with water and neutralize as required. Wash away small spills with plenty of water. Larger spills: soak up with inert absorbent material.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling

Handle in accordance with good industrial hygiene and safety practice. Avoid breathing vapors or mists. Use only in area provided with appropriate exhaust ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin, eyes and clothing. Wear personal protective equipment. Do not eat, drink or smoke when using with product. Do not take internally. Wash thoroughly after handling.

Conditions for safe storage, including any incompatibilities

Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store at room temperature. Keep container closed when not in use.

Incompatible Products

Strong acids

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters

This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Showers, Eyewash Stations, Ventilation Systems

Individual protection measures, such as personal protective equipment

| | |
|-----------------------------------|---|
| Eye & Face Protection | Safety glasses with side-shields |
| Hand & Skin Protection | Rubber gloves, latex gloves |
| Respiratory Protection | Particle filtering face piece |
| Hygiene Measures | Handle in accordance with good industrial hygiene and safety practices. |

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties**

| | | | |
|-----------------------|--------------------------|-----------------------|--------------------------|
| Physical State | Solid | Appearance | Clear |
| Odor | No information available | Odor Threshold | No information available |

| <u>Property</u> | <u>Values</u> |
|---|----------------------|
| pH | 11.2 |
| Melting Point/Range | No data available |
| Boiling Point/Boiling Range | No data available |
| Flash Point | N/A |
| Evaporation rate | No data available |
| Flammability (solid, gas) | No data available |
| Flammability Limits in Air | |
| upper flammability limit | No data available |
| lower flammability limit | No data available |
| Vapor Pressure | No data available |
| Vapor Density | No data available |
| Relative Density | No data available |
| Specific Gravity | No data available |
| Water Solubility | 100 |
| Solubility in other solvents | No data available |
| Partition coefficient: n-octanol/water | No data available |
| Autoignition Temperature | No data available |
| Decomposition Temperature | No data available |
| Viscosity | No data available |
| Flammable Properties | No data available |
| Explosive Properties | No data available |
| Oxidizing Properties | No data available |

10. STABILITY AND REACTIVITY**Stability**

The product is stable

Possibility of hazardous reactions

Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid

Incompatible products

Incompatible materials

Strong acids

Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION**Route of Exposure**

Skin contact, Eye contact, Inhalation, Ingestion

Symptoms

| | |
|---------------------|---|
| Eye Contact | Causes serious eye irritation |
| Skin Contact | Causes skin irritation |
| Inhalation | May cause irritation of respiratory tract |
| Ingestion | May be harmful if swallowed |

Toxicity Data

| Product | LD50 Oral | LD50 Dermal | LD50 Inhalation |
|------------------------------------|---------------------|--------------------|------------------------------------|
| Sodium chloride | = 3g/kg (Rat) | > 10 g/kg (Rabbit) | > 42 g/m ³ (Rat) 1hr |
| Sodium carbonate | = 4090 mg/kg (Rat) | | |
| Sodium metasilicate | = 600 mg/kg (Rat) | | |
| Ethylene oxide-Nonylphenol polymer | = 1310 mg/kg (Rat) | = 2 mL/kg (Rabbit) | |
| Sodium carboxymethyl cellulose | = 27000 mg/kg (Rat) | > 2 g/kg (Rabbit) | > 5800 mg/m ³ (Rat) 4hr |

Chronic Toxicity

| | |
|------------------------------|---|
| Carcinogenicity | No known significant effects or critical hazards. |
| Mutagenicity | No known significant effects or critical hazards. |
| Teratogenicity | No known significant effects or critical hazards. |
| Developmental Effects | No known significant effects or critical hazards. |
| Fertility Effects | No known significant effects or critical hazards. |

12. ECOLOGICAL INFORMATION

Ecotoxicity

The environmental impact of this product has not been fully investigated.

| Chemical Name | Toxicity to Algae | Toxicity to Fish | Daphnia Magna (Water Flea) |
|----------------------------------|----------------------------------|--|--|
| Sodium chloride 7647-14-5 | | LC50 96h: 5560-6080 mg/L flow-through (Lepomis macrochirus) LC50 96h: = 12946 mg/L static (Lepomis macrochirus) LC50 96h: 6020-7070 mg/L static (Pimephales promelas) LC50 96h: = 7050 mg/L semi-static (Pimephales promelas) LC50 96h: 6420-6700 mg/L static (Pimephales promelas) LC50 96h: 4747-7824 mg/L flow-through (Oncorhynchus mykiss) | EC50 48h: 1000 mg/L (Daphnia Magna) EC50 48h: 340.7-469.2 mg/L static (Daphnia Magna) |
| Sodium carbonate 497-19-8 | EC50 120h: =242 mg/L (Nitzschia) | LC50 96h: = 300 mg/L static (Lepomis macrochirus) LC50 96h: 310-1220 mg/L static (Pimephales promelas) | EC50 48h: = 265 mg/L (Daphnia Magna) |
| Sodium metasilicate 6834-92-0 | | LC50 96h: = 210 mg/L semi-static (Brachydanio rerio) LC50 96h: = 210 mg/L (Brachydanio rerio) | EC50 96h: = 216 mg/L (Daphnia Magna) |

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods Dispose of in accordance with federal, state and local regulations. Do not reuse empty containers.
California Hazardous Waste Sodium carbonate – Corrosive

14. TRANSPORT INFORMATION

DOT
Not Regulated

15. REGULATORY INFORMATION

International Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

Acute Health Hazard

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material.

California Proposition 65

This product does not contain any Proposition 65 chemicals

US State Right-To-Know Regulations

This product does not contain any substances regulated by state right-to-know regulations.

16. OTHER INFORMATION

| | | | |
|--------------------|-----------------|-----------------------|---------------------------|
| <u>NFPA</u> | Health 2 | Flammability 0 | Instability 0 |
| <u>HMIS</u> | Health 2 | Flammability 0 | Physical Hazards 0 |

| | |
|----------------------|---|
| Prepared By | Birsch Industries 476 Viking Drive Virginia Beach, VA. 23452 TEL: 757-622-0355 |
| Issuing Date | No information available |
| Revision Date | 3-March 2015 |
| Revision Note | N/A |

General Disclaimer

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 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 process, unless specified in the text.

End of Safety Data Sheet