



SAFETY DATA SHEET

Issuing Date No data available

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Revision Number 0

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

GHS product identifier

Product Name L-19

Other means of identification

Product Code(s) 1218004

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		
<u>General Disclaimer</u>			
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			

General Disclaimer

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End of Safety Data Sheet