Safety Data Sheet

Issue Date 2014-09-18 **Revision Date** 2025-03-19 **Version** 5

1. Identification of the substance/preparation and of the company/undertaking

Product Name MICRO-SOAK LNP
UN/ID No. UN3265
Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use For Microbiological Control & System Preservation During Holdup
Uses advised against No information available

Supplier Address

Anderson Chemical Company, 325 South Davis Avenue, Litchfield, MN 55355 (320-693-2477)

Emergency telephone number

Chemtrec 1-800-424-9300

2. Hazards identification

Classification

OSHA Regulatory Status

Acute Toxicity-Oral	Category 4
Skin Corrosion/Irritation	Category 1 Sub-category B
Serious Eye Damage/Irritation	Category 1

Label Elements

Signal word: **Danger**

Hazard Statements
Harmful if swallowed
Causes severe skin burns and eye damage.

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary Statements - Response
Immediately call a POISON CENTER or doctor/physician. Specific treatment (see Section 4 on the SDS).
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF INHALED: Remove victim to fresh air and keep comfortable for breathing.
IF SWALLOWED: Rinse mouth. DO NOT induce vomiting.

Precautionary Statements - Storage
Store locked up.

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC)
Other Information

3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
TSRN2210		2 - 5
Hydroxyacetic Acid	79-14-1	15 - 20
TSRN9295		2 - 5

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

4. First aid measures

General advice
Immediately call a POISON CENTER or doctor/physician if in contact with eyes.

Eye contact
Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing.

Skin Contact
Flush with water for 15 minutes. If irritation persists after rinsing, get medical attention. Remove contaminated clothing and wash before reuse.

Inhalation
Remove victim to fresh air. If breathing difficulty occurs or persists, get medical attention.

Ingestion
Rinse mouth with water. Give water to dilute. Do not induce vomiting. Get immediate medical attention. Never give anything by mouth to a semi-comatose, comatose, convulsing or unconscious person.

Self-protection of the first aider
No information available

Most important symptoms and effects, both acute and delayed

Symptoms
Can cause severe burns and tissue damage to the upper respiratory tract. Causes skin burns. Harmful if absorbed through skin. Causes serious eye damage. Symptoms may include stinging, tearing, redness and swelling. May irritate or burn the mouth, throat or stomach. May cause nausea, diarrhea, and/or vomiting.

Indication of any immediate medical attention and special treatment needed

Note to physicians
Treat symptomatically

5. Fire-fighting measures

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

Unsuitable extinguishing media
None known.

Specific hazards arising from the chemical
If the stock solution container breaks, the solution should be handled with care as it is corrosive. Contact with metals may evolve flammable hydrogen gas.

Hazardous combustion products
None known

Explosion Data

Sensitivity to mechanical impact	None
Sensitivity to static discharge	None

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. Use water spray to cool fire exposed containers. Move containers from fire area if you can do it without risk.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions
Evacuate nonessential personnel. Ventilate area. Wear appropriate personal protection equipment. Eliminate sources of ignition. Avoid contact with spilled material.

Environmental precautions
See Section 12 for additional ecological information.

Methods for containment
Completely contain spilled material with dikes or sand bags, etc. Prevent additional discharge if safe to do so.

Methods for cleaning up
Recover as much material as possible into containers for disposal or reuse. Remaining material may be diluted with water and neutralized. Flush spill area with water. Neutralization products, both solid and liquid, must be recovered for disposal.

7. Handling and storage

Precautions for safe handling

Advice on safe handling
Do not get in eyes, on skin, or clothing. Do not breathe vapors or mists. Do not ingest. Wash thoroughly after handling. Wear protective clothing/ equipment. Use with adequate ventilation.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Keep containers tightly closed and properly labeled. Containers that have been emptied will retain product residue and should be handled as if they were full. Store in a cool, dry, well-ventilated place away from incompatible materials. Wash hands before eating, drinking, using tobacco, applying make-up or using the toilet. Do not store, use, and/or consume foods, beverages, tobacco in areas where this product is stored.

Incompatible materials
Prevent contact with cyanides and sulfides. Prevent contact with strong oxidizing agents. Avoid contact with metals.

8. Exposure controls/personal protection

Control parameters

Exposure Guideline

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection
Wear safety glasses with side shields (or goggles).

Skin and body protection
If contact is anticipated, wear protective clothing appropriate to use conditions.

Respiratory protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

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

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state	Liquid
Color	Clear, colorless
Odor	Mild
Odor threshold	No information available
pH	2.3 - 2.9, 1% solution
Melting point/freezing point	No information available
Boiling point / boiling range	No information available
Flash point	No information available
Evaporation rate	No information available
Flammability (solid, gas)	No information available
Flammability upper limit in air	No information available
Flammability lower limit in air	No information available
Vapor pressure	No information available
Vapor density	No information available
Specific Gravity	1.084 - 1.104
Water solubility	Soluble in water
Partition coefficient	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Kinematic viscosity	No information available
Dynamic viscosity	No information available

10. Stability and reactivity

Reactivity
No information available

Chemical stability
Stable under recommended storage conditions.

Possibility of Hazardous Reactions
None under normal processing.

Conditions to avoid
Heat, flames and sparks.

Incompatible materials
Prevent contact with cyanides and sulfides. Prevent contact with strong oxidizing agents. Avoid contact with metals.

Hazardous Decomposition Products
During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed.

11. Toxicological information

Information on likely routes of exposure

Product Information No information available
Inhalation Can cause severe burns and tissue damage to the upper respiratory tract.
Eye contact Causes serious eye damage. Symptoms may include stinging, tearing, redness and swelling.
Skin Contact Causes skin burns. Harmful if absorbed through skin.
Ingestion May irritate or burn the mouth, throat or stomach. May cause nausea, diarrhea, and/or vomiting.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
TSRN2210	11,700 mg/kg (rat)	>2000 mg/kg (rat)	
Hydroxyacetic Acid 79-14-1	2040 mg/kg	>5000 mg/kg	Not determined
TSRN9295	1470 mg/kg	>2000 mg/kg	

Information on toxicological effects

Symptoms

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available
Germ cell mutagenicity No information available
Carcinogenicity No information available

Chemical Name	ACGIH	IARC	NTP	OSHA

Reproductive toxicity No information available
STOT - single exposure No information available
STOT - repeated exposure No information available
Aspiration hazard No information available

Numerical measures of toxicity - Product Information

No information available

12. Ecological information

Ecotoxicity
0% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
TSRN2210	425 mg/l	LC50, 96 hr, >100/1516 mg/l	LC50, 24 hr, 1535 mg/l
TSRN9295	EC50 0.91 mg/l, 96 h Read Across	LC50 1.67 mg/l, 96 h Read Across	EC50 2.4 mg/l, 48 h Read Across

Persistence and degradability No information available
Bioaccumulation No information available
Other adverse effects No information available

13. Disposal considerations

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging Do not reuse container.

Chemical Name	California Hazardous Waste Status

14. Transport information

DOT Regulated
UN/ID No. UN3265
Proper shipping name Corrosive liquid, acidic, organic, n.o.s.
Hazardous ingredients (Glycolic Acid/ Citric Acid)
Hazard class 8
Packing group III

15. Regulatory information

US Federal Regulations

SARA 311/312 Hazards

Acute Toxicity-Oral
Skin Corrosion/Irritation
Serious Eye Damage/Irritation

CWA (Clean Water Act)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances

CERCLA

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals.

U.S. EPA Label Information

EPA Pesticide Registration Number Not Applicable

16. OTHER INFORMATION

NFPA	**Health hazards**	3	**Flammability**	0	**Instability**	0	**Physical and Chemical Properties**		
HMIS	**Health hazards**	3	**Flammability**	0	**Physical hazards**	0	**Personal protection**	x	

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Disclaimer

The information provided in this Material Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.
End of Safety Data Sheet