

Safety Data Sheet

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

Product Name AEROL X**UN/ID No.** Not applicable**Synonyms** None**Recommended use of the chemical and restrictions on use****Recommended Use** General Cleaner**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****Serious Eye Damage/Irritation** Category 2A**Label Elements****Signal word:** Warning**Hazard Statements**

Causes serious eye irritation.

Precautionary Statements - Prevention

Wash face and hands thoroughly after handling. Wear eye protection/face protection.

Precautionary Statements - Response

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

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Not applicable

Hazards not otherwise classified (HNOC)**Other Information**

May be harmful if swallowed. Toxic to aquatic life with long lasting effect.



3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Sodium carbonate	497-19-8	10 - 15
TSRN7263	Trade Secret	20 - 30
TSRN9309		5 - 10

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

4. First aid measures

General advice

Get medical attention

Eye contact

Flush immediately with water for 15 minutes. Lift upper and lower eyelids for complete rinsing. Get immediate medical attention.

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

Avoid contact with skin, eyes and clothing

Most important symptoms and effects, both acute and delayed**Symptoms**

May cause respiratory tract irritation. Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. May cause skin irritation. May cause stomach distress, nausea 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

None known.

Hazardous combustion products

Oxides of sodium, sulfur and phosphorus

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.

Environmental precautions

See Section 12 for additional ecological information. Prevent entry into waterways, sewers or drains.

Methods for containment

Completely contain spilled material.

Methods for cleaning up

Recover as much material as possible into containers for disposal or reuse. Avoid generation of dust. 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 dust. 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

Oxidizing agents, acids, aluminum, magnesium.

8. Exposure controls/personal protection

Control parameters**Exposure Guideline**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium carbonate 497-19-8		10 mg/m3 Total dust; 5 mg/m3 Respirable fraction	
TSRN7263 Trade Secret	10 mg/m4 TWA		

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment**Eye/face protection**

Safety glasses or goggles should be worn to avoid accidental contact.

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	Powder
Color	White
Odor	Orderless
Odor threshold	No information available
pH	10.2 - 11, 10% 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	No information available
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

Dusty conditions, extreme heat, extreme humidity.

Incompatible materials

Oxidizing agents, acids, aluminum, magnesium.

Hazardous Decomposition Products

Thermal decomposition may yield oxides of phosphorous, sodium, and sulfur. Carbon dioxide and carbon monoxide may be released upon combustion.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	May cause respiratory tract irritation.
Eye contact	Causes serious eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
Skin Contact	May cause skin irritation.
Ingestion	May cause stomach distress, nausea or vomiting.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium carbonate 497-19-8	2,800 mg/kg (rat)	> 2,000 mg/kg (rabbit)	
TSRN7263 Trade Secret	Multi-dose Toxicity: orl-rat TDLo:2730 mg/kg/13W-I	Irritation: skn-rbt 500 mg/24H MOD;	
TSRN9309	Rat 1080 mg/kg	Rat > 2000 mg/kg	

Information on toxicological effects

Symptoms See Section 4

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
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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

Toxic to aquatic life with long lasting effects

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium carbonate 497-19-8		96 h LC50 Bluegill sunfish 300 mg/L	48 h EC50 Ceriodaphnia 200-227 mg/L
TSRN9309	Acute: EC50 Algae 7.39 mg/l, 96 h; Chronic: NOEC 0.268 mg/l, 15 d	Acute: LC50 Bluegill (Lepomis macrochirus) 1.67 mg/l, 96 h; Chronic: NOEC 0.268 mg/l, 72 d	Acute: EC50 Daphnia magna 2.9 mg/l, 48 h; Chronic: NOEC 0.268 mg/l, 21 d

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
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14. Transport information

DOT	Not regulated
UN/ID No.	Not applicable
Proper shipping name	Not applicable
Hazardous ingredients	Not applicable
Hazard class	Not applicable
Packing group	Not applicable

15. Regulatory information

US Federal Regulations

SARA 311/312 Hazards

Serious Eye Damage/Irritation

CWA (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)

Chemical Name	Reportable Quantities	Toxic Pollutants	Priority Pollutants	Hazardous Substances
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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.

Chemical Name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
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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	2	Flammability	0	Instability	0	Physical and Chemical Properties
HMIS	Health hazards	2	Flammability	0	Physical hazards	0	Personal protection
Prepared By	L. Tipka						
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Revision Note							

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