

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

Product Name ENHANCE

UN/ID No. Not applicable

Synonyms Not applicable

Recommended use of the chemical and restrictions on use

Recommended Use Process additive for prolonging production and enhancing quality

Uses advised against None known

Manufacturer Address

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

Emergency telephone number

800-424-9300

2. Hazards identification

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.122)

Label Elements

Signal word: **CAUTION**

Hazard Statements

Not applicable

Precautionary Statements - Prevention

Not applicable

Precautionary Statements - Response

Not applicable

Precautionary Statements - Storage

Not applicable

Precautionary Statements - Disposal

Not applicable

Hazards not otherwise classified (HNOC)

Other Information

Not applicable

3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Polyphosphates, Proprietary	Trade secret	Trade secret

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

4. First aid measures

General advice

No information available

Eye contact

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

Skin Contact

Wash with soap and water. If skin irritation persists, call a physician.

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 eyes and skin.

Most important symptoms and effects, both acute and delayed

Symptoms

May cause mild eye irritation. May cause mild skin irritation in sensitive individuals.

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

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. Wash thoroughly after handling.

Environmental precautions

See Section 12 for additional ecological information. Prevent entry into sewers, storm drains, and surface waters

Methods for containment

Completely contain spilled material with dikes or sand bags, etc.

Methods for cleaning up

Recover as much material as possible into containers for disposal. Remaining material may be diluted with water. Flush spill area with water.

7. Handling and storage

Precautions for safe handling

Advice on safe handling

To prevent skin and eye contact under the foreseeable conditions of use, wear appropriate protective clothing and safety eye wear. When handling, do not eat, drink, or smoke. Wash thoroughly after handling. Handle in a well-ventilated work area.

Conditions for safe storage, including any incompatibilities

Storage Conditions

Keep in a dry, well-ventilated area in closed containers. Protect containers from physical damage. Do not freeze.

Incompatible materials

None known

8. Exposure controls/personal protection

Control parameters

Exposure Guideline

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

Individual protection measures, such as personal protective equipment

Eye/face protection

Safety glasses or goggles are recommended.

Skin and body protection

Gloves are recommended to prevent skin contact. Wear appropriate clothing to prevent skin contact.

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	Colorless
Odor	None
Odor threshold	No information available
pH	7.0-7.6
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	1.370-1.403
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

None known

Incompatible materials

None known

Hazardous Decomposition Products

Oxides of sodium. Oxides of phosphorus.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	None anticipated
Eye contact	May cause mild eye irritation.
Skin Contact	May cause mild skin irritation in sensitive individuals.
Ingestion	Ingestion of large quantities may cause abdominal cramps, nausea, vomiting, diarrhea

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	Not applicable

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

Oral-Rat LD50: >10,000 mg/kg

12. Ecological information

Ecotoxicity

No information available

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.

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

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)

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

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	1	Flammability	0	Instability	0	Physical and Chemical Properties	
HMIS	Health hazards	1	Flammability	0	Physical hazards	0	Personal protection	X
Prepared By	It							
Issue Date	2015-09-04							
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Revision Note	Review and update							

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