

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

Product Name Minnclean TF

UN/ID No. UN1759

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended Use Alkaline Cleaning Compound

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

Skin Corrosion/Irritation Category 1 Sub-category C

Serious Eye Damage/Irritation Category 1

Carcinogenicity Category 2

Label Elements

Signal word: **Danger, Warning**

Hazard Statements

Causes severe skin burns and eye damage.

Causes serious eye damage.

Suspected of causing cancer.

Precautionary Statements - Prevention

Do not breathe dust/fume/gas/mist/vapors/spray. Wash face, hands and any exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.

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.

IF EXPOSED OR CONCERNED: Get medical advice/attention.

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

Dust is irritating to respiratory tract.



3. Composition/information on ingredients

Chemical Name	CAS Number	% by Weight
Sodium Metasilicate	6834-92-0	5 - 10
TSRN5090	68603-42-9	<1
Sodium carbonate	497-19-8	1 - 5
Trade Secret	Trade Secret	20 - 30

Chemical Name	CAS Number	% by Weight
TSRN8250	Trade Secret	<1
Trisodium phosphate dodecahydrate	10101-89-0	10 - 20
Tetrasodium Pyrophosphate	7722-88-5	1 - 5

*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. 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

Most important symptoms and effects, both acute and delayed

Symptoms

May cause respiratory tract irritation. Causes severe skin irritation, burns. Symptoms may include redness, pain, blisters. Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva. May cause burns. May be harmful if swallowed. 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 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. Avoid contact with eyes, skin and clothing. 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 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

Magnesium, aluminum, strong oxidizing agents, strong acids.

8. Exposure controls/personal protection**Control parameters****Exposure Guideline**

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium carbonate 497-19-8		10 mg/m ³ Total dust; 5 mg/m ³ Respirable fraction	
Trade Secret Trade Secret	10 mg/m ⁴ TWA		
Trisodium phosphate dodecahydrate 10101-89-0	10 mg/m ³ TWA (inhalable particles, recommended) 3 mg/m ³ TWA (respirable particles, recommended)		

Appropriate engineering controls

Showers
Eyewash stations
Ventilation systems

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

Wear protective splash proof safety goggles. Additional full face protection is recommended if splashing is a possibility.

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

Wash contaminated clothing before reuse.

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	12.27, 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

Magnesium, aluminum, strong oxidizing agents, strong acids.

Hazardous Decomposition Products

Oxides of sodium and phosphorus.

11. Toxicological information

Information on likely routes of exposure

Product Information

Inhalation	Dust is irritating to respiratory tract.
Eye contact	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact	Causes severe skin irritation, burns. Symptoms may include redness, pain, blisters.
Ingestion	May be harmful if swallowed. May cause stomach distress, nausea or vomiting.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Sodium Metasilicate 6834-92-0	LD50 (rat) 1152-1349 mg/kg bw	LD50 (rat) >5000 mg/kg bw	LC50 (rat) >2.06 g/m ³
TSRN5090 68603-42-9	>5 g/kg	>2 g/kg	
Sodium carbonate 497-19-8	2,800 mg/kg (rat)	> 2,000 mg/kg (rabbit)	
Tetrasodium Pyrophosphate 7722-88-5	1624 mg/kg (rat) OECD 425	>2000 mg/kg (rabbit)	

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

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Sodium Metasilicate 6834-92-0		Fish (Brachydanio rerio) LC50 (96 hour) 210 mg/l	(Daphnia magna) EC50 (48 hour) 1700 mg/l
TSRN5090 68603-42-9		LC50 < 10 mg/l, 96 hours	LC50 < 10 mg/l. 48 hours (Daphnia)
Sodium carbonate 497-19-8		96 h LC50 Bluegill sunfish 300 mg/L	48 h EC50 Ceriodaphnia 200-227 mg/L
Trisodium phosphate dodecahydrate 10101-89-0	Daphnia magna 96 hr 126 mg/L EC50	Mosquitofish 96 hr 151 mg/L EC50	
Tetrasodium Pyrophosphate 7722-88-5		LC50 (96 h) >100 mg/L (rainbow trout) (OECD 203 (READ-ACROSS))	EC50 (48 h) (static) >100 mg/l (daphnia magna) (EPA OTS 797.1300 (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. UN1759
Proper shipping name Corrosive solids, n.o.s.
Hazardous ingredients (Tribasic sodium phosphate dodecahydrate; Sodium metasilicate)
Hazard class 8
Packing group III

15. Regulatory information

US Federal Regulations

SARA 311/312 Hazards

Skin Corrosion/Irritation
 Serious Eye Damage/Irritation
 Carcinogenicity

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

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)
Trisodium phosphate dodecahydrate 10101-89-0		2270 kg	

US State Regulations**California Proposition 65**

This product contains a chemical(s) known to the State of California to cause cancer: Cocoamide DEA (CAS#68155-07-7), Diethanolamine (CAS#111-42-2), Methanol (CAS#67-56-1).

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	
HMS	Health hazards	3	Flammability	0	Physical hazards	0	Personal protection	X
Prepared By	LMT							
Issue Date	2022-11-14							
Revision Date	2022-11-14							
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