

SAFETY DATA SHEET

SECTION 1

MATERIAL IDENTIFICATION

PRODUCT NAME / DESCRIPTION: TEMCO A.P. Blend

DISTRIBUTED / MANUFACTURED BY:

Temco Industries, INC.

1180 Brookside CT

Edmond, OK 73025

Date: 5/6/26

Phone: (800) 245-1869

Emergency Phone: (800) 255-3924

FUNCTION

SECTION 2

HAZARD IDENTIFICATION

CLASSIFICATION:

Corrosive:	Category 1
Acute Toxicity: Oral	Category 3
Skin Corrosion/Irritation:	Category 1B
Serious Eye Damage/Eye Irritation:	Category 1
TOST: Acute	Category 3
Aquatic Toxicity: Acute	Category 1

SIGNAL WORD:

DANGER!

HAZARD STATEMENTS:

May be corrosive to metals.

Corrosive to respiratory tract.

Toxic if swallowed.

Causes severe skin burns and eye damage.

Causes serious eye damage.

May cause respiratory irritation.

May cause drowsiness or dizziness.

Very toxic to aquatic life.



PRECAUTIONARY STATEMENTS

Avoid release to the environment.
If medical advice is needed, have product container or label at hand.
Keep out of reach of children.
Read label before use.
Keep container tightly closed.
Keep only in original container.
Do not get in eyes, on skin, or on clothing.
Do not eat, drink, or smoke when using this product.
Store in corrosive resistant/container with a resistant inner liner.

TOXICITY:
See Section 11

SECTION 3		HEALTH HAZARDS
CHEMICAL NAME	%W/W	CAS NUMBER
Disodium trioxosilicate	1.0-5.0	6834-92-0
Sodium Nitrite	0.1-1.0	7632-00-0
(Proprietary Formula)		

SECTION 4	FIRST AID
Potential acute health effects:	
Eyes:	May cause severe irritation, burns, and/or damage
Skin:	May cause severe irritation, burns, and/or damage
Inhalation:	Inhalation may cause severe irritation
Ingestion:	Ingestion may cause irritation, corrosion/ulceration, nausea, and vomiting.
Medical conditions aggravated by exposure:	
None known.	
Eye Contact: In case of contact, immediately flush eyes with cool running water. Lift and separate eyelids while flushing with plenty of water for at least 15 minutes. Get medical attention.	
Skin Contact: Wash with soap and water. Get medical attention if irritation occurs. Wash clothing before reuse. Destroy contaminated shoes.	
Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if symptoms develop.	
Ingestion: Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth	

to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Give plenty of water.

PPE Recommendations:

Eye/Face Safety glasses, goggles, or a face shield as required.

Protection:

Hand Chemical resistant gloves as required.

Protection:

Skin Chemical resistant clothing as required.

Protection:

Respiratory Dust masks, respirator, or SCBA as required.

Protection:

Symptoms of Exposure: See Section 11.

SECTION 5

FIRE FIGHTING MEASURES

Fire Hazard Classification (OSHA/NFPA):

Extinguishing Media:

As required for fire being fought.

Special Fire Fighting Procedures:

Use self-contained breathing apparatus.

Hazardous Combustion Products:

None known.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, PPE, and Emergency Procedures:

Wear protective clothing as described in Section 8 of this safety data sheet. Remove ignition sources. Provide sufficient ventilation. Evacuate danger area if needed or consult an expert.

Containment Procedures:

Stop the flow of material, if this is without risk. Wear appropriate protective equipment and clothing during clean-up. Do not allow the spilled product to enter public drainage system or open water courses.

Clean-Up Procedures:

Use adsorbent materials if needed. Sweep up or gather material and place in appropriate container for disposal. Wash spill area thoroughly. Wear appropriate protective equipment during cleanup. Dispose of collected material according to regulations.

SECTION 7**HANDLING AND STORAGE**

Handling: Avoid contact with eyes, skin, and clothing. Do not take internally. For industrial use only. Wash after handling. Don't breath dust, vapor, or gas. Keep this and all chemicals out of reach of children.

Storage: Keep away from heat, sparks, and open flames. Prevent spills. Keep container tightly closed and in a cool, well-ventilated place away from incompatible materials. Empty product containers may contain product residue, do not reuse.

SECTION 8**PERSONAL PROTECTION / EXPOSURE CONTROLS****Occupational Exposure Limits:**

Raw Material	Type	Value	Source
Disodium trioxosilicate (6834-92-0)	Ceiling	3mg/m3	Data based from analogous chemicals
Sodium Nitrite (7632-00-0)	No data available		

Biological Limit Values:

Raw Material	Value	Determinant	Speciment	Source
Disodium trioxosilicate (6834-92-0)	No data available			
Sodium Nitrite (7632-00-0)				

Ventilation System: Always keep exposure below permissible exposure limits. In general dilution ventilation is a satisfactory health hazard control for this substance. However, if conditions of use create discomfort to the worker, a local exhaust system should be considered.

Personal Protection: As prescribed in the OSHA Standard for Personal Protective Equipment (29 CFR 1920.132), employers must perform a Hazard Assessment for all workplaces to determine the need for, and selection of, proper protective equipment for each task performed.

Eyes: Wear face shield, safety glasses, or chemical goggles.

Hands & Skin: For prolonged or repeated handling, use impervious gloves. Gloves should be tested to determine suitability for prolonged contact. Use of impervious apron and boots are recommended.

Respiratory: If ventilation is not sufficient appropriate NIOSH/MSHA respiratory protection must be provided.

Work Practices: Eye wash fountain and emergency showers are recommended.

SECTION 9

TYPICAL PHYSICAL AND CHEMICAL PROPERTIES

Physical Form:	Powder
Color:	White
Odor:	None
Odor Threshold:	NE
pH:	NE
Boiling Point:	NE
Melting Point:	NE
Flash Point:	NE
Evaporation Rate (Butylacetate=1):	NE
Flammability:	Non-Flammable
UEL:	NE
LEL:	NE
Vapor Pressure:	NE
Vapor Density:	NE
Specific Gravity (Water=1):	NE
Solubility Water:	Soluble
Partition Coefficient:	NE
Auto-ignition Temperature:	NE
Decomposition Temperature:	NE
Kinematic Viscosity (CPS):	NE

SECTION 10

STABILITY AND REACTIVITY

Stability:	This product is stable under normal temperatures and pressures.
Incompatibility:	Strong Acids
Decomposition Products:	Unknown
Conditions to Avoid:	None Known

SECTION 11

TOXICOLOGICAL PROPERTIES

Acute Toxicity				
Raw Material	Test	Result	Route	Species
Disodium trioxosilicate (6834-92-0)	LD50	1280mg/kg	Oral	Rat

Sodium Nitrite (7632-00-0)	LD 50	186 mg/kg	Oral	Rat
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SKIN CORROSION/IRRITATION

Has shown corrosive responses following exposure for greater than 3 min but less than or equal to 1h during an observation period of less than or equal to 14 days.

EYE DAMAGE/IRRITATION

Has shown irreversible or not fully reversible damage within an observation period of 21 days.

RESPIRATORY OR SKIN SENSITIZATION

No data available

CARCINOGENICITY

No known carcinogens.

MUTAGENICITY:

No known mutagens.

REPRODUCTIVE TOXINS:

No known reproductive toxins.

SPECIFIC TARGET ORGAN TOXICITY-SINGLE EXPOSURE:

Disodium trioxosilicate has been shown to cause effects which adversely alter human function for a short duration after exposure and from which humans may recover in a reasonable period without leaving significant alteration of structure or function. This includes narcotic effects and respiratory irritation.

Exposure Route: Inhalation

Target Organs: Respiratory tract

Symptoms: May cause irritation, redness of upper and lower airways, coughing, laryngeospasm and edema, shortness

No symptom onset information is known.

SPECIFIC TARGET ORGAN TOXICITY-REPEATED EXPOSURE:

No known toxic effects due to repeated exposure.

ASPIRATION TOXICITY:

No known aspiration toxicity.

INTERACTIVE EFFECTS:

No known interactive effects.

SECTION 12**ECOLOGICAL INFORMATION**

Raw Material	Test	Result	Time	Species
Disodium trioxosilicate (6834-92-0)	LC50	210mg/L	96 hr	Freshwater Fish
Sodium Nitrite (7632-00-0)	LC50	26.3mg/L	96hr	Rainbow trout

Raw Material	Persistence	Bioaccum. Test	Bioaccum. Result	Mobility Test	Mobility Result
Disodium trioxosilicate (6834-92-0)	Persistent	No data available		No data available	
Sodium Nitrite (7632-00-0)	No Data Available			No data available	

SECTION 13**DISPOSAL CONSIDERATIONS**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use, or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose container and unused contents in accordance with federal, state, and local requirements.

SECTION 14**TRANSPORT INFORMATION**

Packages <10lbs:
LIMITED QUANTITY

Packages >10lbs:
CORROSIVE SOLIDS, n.o.s.,
(Contains Disodium trioxosilicate)
8, UN1759, PGIII
LABEL/PLACARD REQUIRED

SECTION 15**REGULATORY INFORMATION****US FEDERAL REGULATIONS****SARA (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):****SARA 302 EXTREMELY HAZARDOUS SUBSTANCES LIST:**

Raw Material	Listed/Not Listed
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Disodium trioxosilicate (6834-92-0)	Not Listed
Sodium Nitrite (7632-00-0)	Not Listed

SARA 312 HAZARD CATEGORY:

Raw Material	Yes/No
Disodium trioxosilicate (6834-92-0)	Yes
Sodium Nitrite (7632-00-0)	Yes

SARA 313 TOXIC CHEMICALS LIST:

Raw Material	Listed/Not Listed
Disodium trioxosilicate (6834-92-0)	Not Listed
Sodium Nitrite (7632-00-0)	Listed

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT):

Raw Material	Regulated/Not Regulated
Disodium trioxosilicate (6834-92-0)	Not Regulated
Sodium Nitrite (7632-00-0)	Regulated

RCRA (RESOURCE CONSERVATION AND RECOVERY ACT) LISTED HAZARDOUS WASTES:

Raw Material	Listed/Not Listed
Disodium trioxosilicate (6834-92-0)	Not Listed
Sodium Nitrite (7632-00-0)	Listed

CWA (CLEAN WATER ACT) LISTED SUBSTANCES:

Raw Material	Listed/Not Listed
Disodium trioxosilicate (6834-92-0)	Not Listed
Sodium Nitrite (7632-00-0)	Listed

FDA (FOOD AND DRUG ADMINISTRATION):

Raw Material	Regulated/Not Regulated
Disodium trioxosilicate (6834-92-0)	Regulated
Sodium Nitrite (7632-00-0)	Regulated

TOXIC SUBSTANCES CONTROL ACT (TSCA):

Raw Material	Listed/Not Listed
Disodium trioxosilicate (6834-92-0)	Listed
Sodium Nitrite (7632-00-0)	Listed

NFPA HAZARD INFORMATION SIGN:

[2] HEALTH HAZARD (BLUE DIAMOND)

- 4-DEADLY
- 3-EXTREME DANGER
- 2-HAZARDOUS
- 1-SLIGHTLY HAZARDOUS
- 0-NORMAL MATERIAL

[0] REACTIVITY HAZARD (YELLOW DIAMOND)

- 4-MAY DETONATE
- 3-SHOCK AND HEAT MAY DETONATE
- 2-VIOLENT CHEMICAL CHANGE
- 1-UNSTABLE IF HEATED
- 0-STABLE

[0] FIRE HAZARD (RED DIAMOND)

- FLASH POINTS:
- 4-BELOW 73 F
 - 3-BELOW 100 F
 - 2-BELOW 200 F
 - 1-ABOVE 200 F
 - 0-WILL NOT BURN

[COR] SPECIFIC HAZARD (WHITE DIAMOND)

- OX OXIDIZER
- ACID ACID
- ALK ALKALI
- COR CORROSIVE
- W USE NO WATER

SECTION 16

OTHER INFORMATION

THIS INFORMATION IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EXPRESSED OR IMPLIED, IS HEREBY MADE. THE RECOMMENDED INDUSTRIAL HYGIENE AND SAFE HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTEXT OF THE INTENDED USE AND DETERMINE WHETHER THEY ARE APPROPRIATE. THIS SDS HAS BEEN REVISED TO MEET GHS REV. 7 UPDATES. THE INFORMATION USED TO CREATE THE SDS IS BASED FROM SUPPLIER'S RAW MATERIAL SDSs.

of breath, bronchoconstriction, and possible pulmonary edema.