

Material Safety Data Sheet

AWS-16

Complies with OSHA's Hazard Communication Standard 29 CFR 1910.1200.

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1. IDENTIFICATION

Part No. & Description: AWS-16 All Weather Seal.

Emergency Phone: 800-688-4005 (24 hours)

Product Synonyms: None

Chemical Family or Formula: Alkaline inorganic salt solution.

CPR STATEMENT: This product has been classified in accordance with the hazard criteria of the Canadian Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

Note: The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it, provide complete or extensive toxicological data on the product or its components.

2. COMPOSITION AND INFORMATION ON INGREDIENTS

CAS #	SARA 313	Material or Component	Exposure Limits (ppm)	
			RQ# TWA*	STEL* WEEL*
1303-96-4	No NA	Borate, tetra sodium salt, Decahydrate	None 5 mg/m3	
107-21-1	Yes 1	Ethylene glycol A4	5000	C 100 mg/m3
1302-42-7	No NA	Sodium aluminate	None	Not established

A4=Not Classifiable as a Human Carcinogen

No component is listed in "Threshold and Biological Exposure Indices for 2004" from ACGIH except as noted above. Components listed in Title III Sec. 313 (EPCRA) are indicated by "Yes" above.

*TWA = Time Weighted Average; STEL = Short Term Exposure Limit; WEEL = Workplace Employee Exposure Level

NE = Not Established "De minimis" = Threshold reporting limit for SARA 313 for this material.

3. HAZARDS IDENTIFICATION

Emergency Overview: Eye and skin irritation from contact with uncured product.

Routes of Entry: Eye contact, skin contact, ingestion.

Chemical Interactions: No significant interactions known.

Medical Conditions Aggravated: None known.

Human Threshold Response Data

Odor Threshold: Not Established

Irritation Threshold: Not established

Hazard Category Classifications and Ratings for dust if produced.

Hazard Categories:	Health	Fire	Pressure	Reactivity	Reference
Immediate	Yes	No	No	No	49 CFR 171.8, OSHA 29 CFR 1910.1200 and SARA 302/311/312/313.
Delayed	No	No	No	No	

HMIS Hazard Ratings: Health 1 Fire 0 Instability 0 Other NA

NEPA 704 Hazard Ratings: Health 1 Flammability 0 Reactivity 0 Special NA

Hazard Ratings: Least: 0 Slight: 1 Moderate: 2 High: 3 Extreme: 4

* "Yes" in Delayed Fire hazard category indicates that this material poses a spontaneous combustion hazard.

Hazards Identification (continued)

Breathing: Not a consideration.

Skin Contact: May cause skin irritation.

Eye Contact: May cause severe irritation.

Swallowing: Not a likely occurrence.

Conditions aggravated by exposure: None known.

Prolonged (Chronic) Health Effects: None Known.

4. FIRST AID

Inhalation: Not a consideration.

Skin Contact: Wash skin with cool water and pH-neutral soap or a mild detergent. Seek medical treatment if irritation or inflammation develops or persists. Seek immediate medical treatment in the event of burns.

Eyes: Immediately flush eye thoroughly with water. Continue flushing eye for at least 15 minutes, including under lids, to remove all particles. Call physician immediately.

Ingestion: Do not induce vomiting. If conscious, have the victim drink plenty of water and call a physician immediately.

5. FIRE FIGHTING MEASURES

Flammability Summary (OSHA):

Flammable Properties: Material will not burn under any circumstances.

Flash Point: None

Autoignition Temperature: None

Upper Flammable/Explosive Limit, %: None

Lower Flammable/Explosive Limit, %: None

Fire/Explosion Hazards: None

Extinguishing Media: Use equipment appropriate to the main cause of the fire.

Fire Fighting Instructions: Use equipment appropriate to the main cause of the fire.

6. ACCIDENTAL RELEASE MEASURES

General: Minimal to no hazard from spill.

Small Spill: Scrape up for use, reclaim or disposal.

Large Spill: Scrape up for use, reclaim or disposal.

7. HANDLING AND STORAGE

Handling: Store in a dry place. Keep containers closed when not in use.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation: No ventilation considerations required for this product.

Protective Equipment for Routine Use of Product Where Appropriate:

Respiratory Protection: Low volatility makes respiratory protection unnecessary.

Skin: Wear appropriate gloves to protect skin during extended handling.

Eyes: Do not rub eyes with contaminated hands or toweling.

Protective Clothing Type: Generally not required. Wear clothing as appropriate for handling and contact with product.

Exposure Limit Data: See Section II

9. PHYSICAL DATA

Physical State: Paste

Color: Various colors

Odor: Nil

Molecular Weight: Not available

pH (@ 25° C): Not applicable

Octanol/Water Coeff: No data

Bulk Density: Not applicable

Vapor Density (Air = 1): Not volatile

Vapor Pressure 20° C: None

Evaporation Rate (Butyl acetate = 1): Not applicable.

Volatiles % by wt.: 55-60

Boiling Point @ 20 mm Hg: NA

Freezing Point: NA

Solubility in Water: Soluble

Specific Gravity: Approx. 1.2

10. STABILITY AND REACTIVITY

Stability and Reactivity Summary: Stable under normal conditions.

Reactive Properties:

Sensitivity to mechanical shock: None

Hazardous Polymerization: Cannot occur.

Conditions to Avoid: None

Chemical Incompatibility: None

Incompatible Materials: Water will disperse material and make it unsuitable for use, but offer no additional hazard.

Hazardous Decomposition Product: None

Decomposition Temperature: Not determined.

Product may be Unstable at Temperatures Above: None

11. TOXICOLOGICAL INFORMATION

Component Animal Toxicology

Results for highest toxicity ingredient: Ethylene glycol

Oral LD50 value mg/kg: 4700 (rat)

Dermal LD50 value mg/kg: 9530 (rbt)

Irritation-skin: 555 mg - open - Mild

Irritation - eye: 500 mg/24 hr. - Mild

Inhalation LC50 value: No data.

Mutagenicity: Has shown teratogenic effects in laboratory animals.
No data.

Carcinogenicity: The chemicals in this product are not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP, or EPA.

12. ECOLOGICAL INFORMATION

Ecological Toxicity Values:

Environmental fate: No information found.

Environmental Toxicity: No information found.

13. DISPOSAL CONSIDERATIONS

CARE MUST BE TAKEN TO PREVENT ENVIRONMENTAL CONTAMINATION FROM THE USE OF THIS MATERIAL THE USER OF THIS MATERIAL HAS THE RESPONSIBILITY TO DISPOSE OF UNUSED MATERIAL, RESIDUES AND CONTAINERS IN COMPLIANCE WITH ALL RELEVANT LOCAL, STATE AND FEDERAL LAWS.

Waste Disposal Summary: Product as supplied does not qualify as a hazardous waste.

Potential US EPA Waste Codes: Not applicable.

Disposal Methods: Dispose of in accordance with local, state and federal regulations.

Components subject to land ban restrictions: No components subject to land ban restrictions.

14. TRANSPORTATION INFORMATION

Proper Shipping Name, Hazard Class, UN/NA Number Packing Group, Emergency Response Guide Number
Not regulated

Labels required per 49 CFR 172.101: None

Size for "Limited quantity" per 49 CFR 173.150-.155: Not applicable

Reportable Quantity ("RQ") per 49 CFR 172.101: None

Passenger and Cargo Air & Rail (172.101): Not regulated

Eff. Jan 1, 2001 Cargo only: Not regulated

Vessel Stowage: Not regulated

15. REGULATORY INFORMATION FOR PRODUCTS AS SUPPLIED

UNITED STATES:

Toxic Substances Control Act (TSCA):

The components of this product are listed on the TSCA Inventory of Existing Chemical Substances.

Pesticide acceptance indication: US EPA Registration Number: Not applicable.

California Prop. 65: Not listed.

Hazard Categories Sections 311/312 (40 CFR 370.2):

Health:

Acute - No Fire - No Pressure: - No

Chronic - No Reactivity - No

Emergency Planning & Community Right to Know (40 CFR 355, App. A):

Extremely Hazardous Substance Section 302 - Threshold Planning Quantity: None

Reportable Quantity (40 CFR 302.4): None

State Right-to-Know Regulations Status of Ingredients

Pennsylvania: None

New Jersey: None

16. ADDITIONAL INFORMATION

This MSDS is intended to provide adequate information for the safe industrial use of the product. It is not intended as a comprehensive reference for its components pure materials.

THIS MATERIAL SAFETY DATA SHEET (MSDS) HAS BEEN PREPARED IN COMPLIANCE WITH THE FEDERAL OSHA HAZARD COMMUNICATION STANDARD, 29 CFR 1910.1200. THE INFORMATION IN THIS MSDS SHOULD BE PROVIDED TO ALL WHO WILL USE, HANDLE, STORE, TRANSPORT, OR OTHERWISE BE EXPOSED TO THIS PRODUCT. WE BELIEVE THIS INFORMATION TO BE RELIABLE AND UP TO DATE AS OF ITS PUBLICATION DATE, BUT MAKE NO WARRANTY THAT IT IS. IF THIS MSDS IS MORE THAN THREE YEARS OLD YOU SHOULD CONTACT THE SUPPLIER TO MAKE CERTAIN THAT THE INFORMATION IS CURRENT.