

**I. Product and Supplier Information**

Product Name: All Weather Seal  
 Product Number: NA  
 Product Synonyms: None

MSDS Number: KWP AWS  
 Publication Date: FEB. 1, 2008  
 Replaces: April 6, 2006

Chemical Family or Formula: Alkaline inorganic salt solution

Supplier: Irontite by Kwik-Way Inc.  
 500 57th St.  
 Marion, Ia. 52302

Phone: 800-423-3384

Web page: [www.ironite.com](http://www.ironite.com)

Product Information: 800-423-3384

Transportation Emergency: 800-423-3384

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.

**II. Composition and Information on Ingredients**

CAS #	SARA 313		Material or Component	Exposure Limits (ppm)		
	On?	De minimis		RQ#	TWA*	STEL*
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.

**III. 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 49 CFR 171.8,
Immediate	Yes	No	No	No	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					
NFPA 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.

**IV. 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

**V. 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, % in : None

Lower Flammable/Explosive Limit, % in : 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.

**VI. 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.

**VII. Handling and Storage****Handling:**

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

**VIII. 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

**IX. Physical Data**

Physical State:	Paste	Vapor Density (Air = 1):	Not volatile
Color:	Various colors	Vapor Pressure 20°C:	None
Odor:	Nil	Evaporation Rate (Butyl acetate =1):	Not applicable
		Volatiles % by wt.:	55-60
Molecular Weight:	Not available	Boiling Point @ 20 mm Hg:	NA
pH (@ 25 Deg. C):	Not applicable	Freezing Point:	NA
Octanol/Water Coeff:	No data		
Solubility in Water:	Soluble		
Bulk Density:	Not applicable		
Specific Gravity:	Approx. 1.2		

**X. 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

**XI. Toxicological Information****Component Animal Toxicology**

<b>Results for highest toxicity ingredient :</b>	Ethylene glycol
Oral LD50 value mg/kg:	4700 (rat)
Dermal LD50 value mg/kg:	9530 (rbt)
Irritation- skin:	555 mg - open - Mild
Irritation- eye:	500mg/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.

**XII. Ecological Information****Ecological Toxicity Values:**

Environmental fate:	No information found
Environmental Toxicity	No information found

**XIII. 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.

**XIV. 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

**XV. Regulatory Information for Product 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 &amp; 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

Massachusetts: None

**XVI. Additional Information**

## MSDS REVISION STATUS:

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 component 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.

Data for Ethylene glycol obtained from: Malinckrodt Chemicals #E5125; Date 02/25/99