

PRODUCT NAME: ABRO ABRO Metal
PRODUCT NUMBER/SIZE: AM-220

Revision Date: 07/08/2015

SECTION 1
Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Court
South Bend, IN 46628
USA
PRODUCT DESCRIPTION: Adhesive and Bond
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec: US/Canada 1-800-424-9300
International +1-703-527-3887

SECTION 2
Hazards Identification

Classification:

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Not hazardous.
Classification according to Directive 67/548/EEC or 1999/45/EC: Not hazardous.

Label Pictogram(s):

None Required

Signal Word: None Required

Hazard Phrases: None

Precautionary Phrases: None

Response: None

Storage / Disposal: None

Other: No significant adverse effects from a single exposure expected from normal use.

SECTION 3
Composition/Information on Ingredients

Ingredient	C.A.S. No.	% by Wt	Classification according to Regulation (EC) No. 1272/2008 [CLP];
BisphenolAdiglycidylether Resin	25085-99-8	15~40	Skin Irrit.2(H315); Skin Sens.1(H317); Eye Irrit.2(H319);

Polyglycol diamine	Not available	10~30	Not Classified
Calcium Carbonate	471-34-1	30~65	Skin Irrit.2(H315); Skin Sens.1(H317); Eye Irrit.2(H319);
Carbon Black	1333-86-4	0~6	Not Classified

SECTION 4 First Aid Measures

Eye contact:	Immediately flush with water for 16 minutes. Get medical attention.
Skin:	Remove from skin and wash thoroughly with soap and water or waterless
Inhalation:	No first aid should be needed.
Ingestion:	Get medical attention
Comments:	Treat according to person's condition and specifics of exposure.
Note to Physicians:	Treat symptomatically.

SECTION 5 Fire Fighting Measures

Flammability:	Non-Flammable
Flash Point:	N/A
Autoignition Temperature:	N/A
Hazardous Properties:	None
Fire:	Not considered to be a fire hazard
Explosion:	Not considered to be an explosion hazard
Special Fire Fighting Procedures and Equipment:	Not considered to be an explosion hazard
Hazardous Combustion Products:	Carbon oxides and traces of incompletely burned carbon compounds.
Unsuitable Extinguishing Media:	None established.

SECTION 6 Accidental Release Measures

Personal Precautions:	Avoid skin and eye contact. Do not take internally.
Environmental Precautions:	Do not allow large quantities to enter drains.
Methods for Cleaning up:	Wear protective equipment to prevent skin and eye contamination and inhalation of dust.

In the event of a release of this material, the user should determine if the release qualifies as reportable according to local, state, and federal.

SECTION 7 Handling and Storage

Handling:

Information for Safe Handling:

Avoid eye contact with vapors, mists, or spray. Avoid skin contact. Avoid breathing of vapors, mists or spray. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment. Do not ingest. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water.

Information about Fire/Explosion protection:

None

Storage:

Requirements To Be Met By storerooms & receptacles:

Store away from oxidizing agents.

Information About Storage In one Common Storage facility:

Keep Container Closed And Store Away From Water Or Moisture.

Further Information About Storage Condition:

Store in cool, dry conditions.

Unsuitable Packaging Materials:

None established.

SECTION 8 Exposure Controls/Personal Protection

Exposure Limits:

General protection and hygiene measures: Avoid contact with eyes and skin. Do not inhale gases/vapors/aerosols. Do not eat, drink or smoke when handling.

Engineering Controls:

Local Ventilation:

None should be needed.

General Ventilation:

Recommended.

Personal Protective Equipment for Routine Handling:

Respiratory protection:

No respiratory protection should be needed.

Suitable Respirator:

None should be needed.

Eye Protection:

Wear chemical safety goggles or appropriate protective eyeglasses.



Hand Protection: Wear chemical protective gloves.



Skin protection: Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Chemical protective gloves are recommended.

Hygiene Measures: Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

Note: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

SECTION 9 Physical and Chemical Properties

Specific Physical Form:	Paste
Odor, Color, Grade:	Paste, Light odor
General Physical Form:	Solid
Melting Point:	No data available
Boiling Point:	Not applicable
Explosion Limits:	LEL: Not applicable UEL: Not applicable
Flammable Limits:	LEL: Not applicable UEL: Not applicable
Solubility, Water %:	Less than 0.1
Autoignition Temperature:	No data available
Vapor Density:	Not applicable
Vapor Pressure:	Not applicable
Specific Gravity:	1.7[Ref Std WATER=1.0]
pH:	Not applicable
Flash Point:	Not applicable
Evaporation Rate:	Not applicable
Volatile Organic Compounds:	Not applicable
Percent Volatile:	Not applicable
VOC Less H3O & Exempt Solvents:	Not applicable
Viscosity:	Not applicable

Note: The above information is not intended for use in preparing specifications.

SECTION 10 Stability and Reactivity

Stability:	Stable
Materials to Avoid:	Oxidizing material can cause a reaction. Water, moisture, or humid air causes curing and the liberation of acetic acid vapors.
Conditions to Avoid:	None

Hazardous Polymerization: Hazardous polymerization will not occur.

**Hazardous Decomposition
or By-Products:**

Substance	Condition
Carbon monoxide	During Combustion.
Carbon dioxide	During Combustion.

SECTION 11 Toxicological Information

Possible Health Effects:	Refer to Section 2
Sensitizing Effects:	None known.
Mutagenic Effects:	None known.
Reproductive Effects:	None known.
Carcinogenic Effects:	None known.
Other Health Hazard Information:	No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

SECTION 12 Ecological Information

Environmental Fate and Distribution:	Solid material, insoluble in water. No adverse effects are predicted.
Environmental Effects:	No adverse effects on aquatic organisms are predicted.
Bioaccumulation:	No bioaccumulation potential.
Fate and Effects in Waste Water Treatment Plants:	No adverse effects on bacteria are predicted.

SECTION 13 Disposal Considerations

Product Disposal:	Dispose of in accordance with local regulations.
Packaging Disposal:	Dispose of in accordance with local regulations.
Characteristic Waste:	
Ignitable:	NO
Corrosive:	NO
Reactive:	NO
Since regulations vary, consult applicable regulations or authorities before disposal.	

SECTION 14
Transport Information

Road and Rail Transport: Not applicable.
Sea Transport (IMDG): Not subject to IMDG code.
Air Transport (IATA): Not subject to IATA regulations.
Special Requirements and Additional Information: None.

SECTION 15
Regulatory Information

Labelling According to EU Directives/Ordinance: The product has been classified and marked in accordance with EU directives and ordinance on Hazardous Materials.
Special identification instructions: Not applicable.
National Regulations: Not applicable.

International Regulations: 67/548/EEC & 1999/45/EC & UN GHS

Ingredient	TSCA	DSL/NDSL	EINECS/ELINCS	AICS	ENCS	IECSC	KECL	PICCS
BisphenolAdiglycidylether Resin	-	-	-	-	-	-	-	-
Polyglycol diamine	-	-	-	-	-	-	-	-
Calcium Carbonate	-	-	-	-	-	-	-	-
Carbon Black	-	-	-	-	-	-	-	-

“ – “ Not Listed
 “ x “ Listed

SECTION 16
Other Information

The supplier disclaims all expressed or implied warranties of merchantability or fitness for a specific use, with respect to the product or the information provided herein, except for conformation to contracted specifications. All information appearing herein is based upon data obtained from manufacturers and/or recognized technical sources. While the information is believed to be accurate, we make no representations as to its accuracy or sufficiency. Conditions of use are beyond our control, and therefore users are responsible for verifying the data under their own operating conditions to determine whether the product is suitable for their particular purposes and they assume all risks of their use, handling, and disposal of the product. Users also assume all risks in regards to the publication or use of, or reliance upon, information contained herein.

This information relates only to the product designated herein, and does not relate to its use in combination with any other material or process.

Key or legend to abbreviations and acronyms used in the safety data sheet

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable