

PRODUCT NAME: Russian Stop-Leak Powder
ABRO

PRODUCT NUMBER/SIZE: AB-404-R

Revision Date: 11/4/2015

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

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.

ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628 USA

PRODUCT DESCRIPTION: Stop leak powder

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:

Hazardous to the Aquatic Environment Chronic 2 and Acute 2

Label Pictogram(s):

None Required

Signal Word: None Required

Hazard Phrases: Toxic to Aquatic Life with Long Lasting Effects.

Precautionary Phrases: Avoid releases to the environment. Read label before use.
If medical advice is needed, have product container or label at hand.

Response: Collect spillage.

Storage / Disposal: Dispose of contents in accordance with local, state, national and international regulations.

Other: Keep out of reach of Children

SECTION 3 Composition/Information on Ingredients

*The majority of components of the product are not considered hazardous under the Federal Hazard Communication Standard 29 CFR 1910.1200.

<u>COMPONENTS</u>	<u>CAS Number</u>	<u>Percent by weight</u>
Aluminum (EC# 231-072-3)	7429-90-5	< 2.5%

Non-Hazardous Ingredients

None

98 %

SECTION 4 First Aid Measures

First Aid Measures

Eyes:	Flush with water for 15 minutes.
Skin:	Wash with soap and water.
Ingestion	Do not induce vomiting unless directed to do so by medical personnel.
Inhalation	Move to fresh air and get medical attention.
Signs & Symptoms Of Over Exposure:	Can cause irritation of skin, eyes and respiratory tract as a nuisance dust. No chronic effects are known.
Special Treatment:	No information available.

SECTION 5 Fire Fighting Measures

Extinguishing media	Water, foam, carbon dioxide, dry chemical.
Hazardous Combustion:	Aluminum oxide
Protective Equipment and Precautions for firefighters:	Firefighters should wear full protective gear
Flame Projection Test	No information available.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Isolate area. Keep unnecessary personnel away. No special procedures are necessary.
Methods/materials for containment and cleanup:	Contain the discharged material. Avoid creating dust. Clean up with brooms and shovels. Put in dry container for disposal.
Environmental precautions:	No information available.

SECTION 7 Handling and Storage

Precautions for Safe Handling	Avoid dust generation.
Conditions for Safe Storage	Store in cool, dry area in dry, closed containers.

SECTION 8 Exposure Controls/Personal Protection

Personal Protection	Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces. Eye wash fountain is recommended.
Eyes	Safety goggles if eye contact is possible.
Skin and Body	Not normally required.
Respiratory	Normally not required. Use regular dust masks or NIOSH approved respirator

Aluminum (EC# 231-072-3 CAS# 7429-90-5)

ACGIH:	1 mg/m ³ TWA (respirable fraction)
Austria:	20 mg/m ³ STEL(inhalable fraction, 2 X 60 min) 10 mg/m ³ MAK (inhalable fraction)
Belgium:	10 mg/m ³ TWA
Denmark:	5 mg/m ³ TWA (total dust, fume and powder); 2 mg/m ³ TWA (respirable dust and powder)
France:	10 mg/m ³ VME (metal); 5 mg/m ³ VME (dust)
Germany:	200 µg/L; Parameter = aluminum; Material = urine; Sampling time = end of exposure/shift 4 mg/m ³ MAK (dust, inhalable fraction); 1.5 mg/m ³ MAK (dust, respirable fraction)
Greece:	10 mg/m ³ TWA (inhalable fraction); 5 mg/m ³ TWA (respirable fraction)
Ireland:	10 mg/m ³ TWA (total inhalable dust); 4 mg/m ³ TWA (respirable dust)
Portugal:	10 mg/m ³ TWA (metal dust)
Spain:	10 mg/m ³ VLA-ED (dust)
Sweden:	5 mg/m ³ LLV (total dust); 2 mg/m ³ LLV (respirable dust)

SECTION 9 Physical and Chemical Properties

Appearance and Physical State:	Solid silvery powder
Odor:	None
Odor Threshold:	Not Available
pH:	Not Available
Melting Point/Freezing Point:	Not Applicable
Initial boiling point & boiling range:	Not Applicable
Flash Point:	Not Determined
Evaporation rate:	Not Applicable
Flammability (solid, gas)	Not Available
Upper/lower flammability or explosive limits	Not Determined
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Relative density	Not Available
Specific gravity	< 1
Solubility in water	Very slight
Partition Coefficient n-Octanol/Water	Not Applicable
Auto-ignition Temperature:	Not Determined
Decomposition Temperature:	Not Available

Viscosity:	Not Available
%-VOC Content:	Not Applicable
Weight per gallon	Not Available
Solids in weight %	Not Available

SECTION 10 Stability and Reactivity

Reactivity and Chemical Stability:	This is a stable material.
Possibility of hazardous reactions:	No information available.
Conditions to avoid:	None.
Incompatibilities:	Acids and alkalis
Hazardous decomposition products:	Aluminum oxide.
Hazardous polymerization:	Will not occur.

SECTION 11 Toxicological Information

Likely Routes of Exposure: No information available.

Symptoms:	No information available.
Delayed and Immediate Effects:	No information available.
Acute Health Effects:	No information available.
Toxicological Information:	No information available.
Carcinogen Information:	No information available.

Potential Health Effects

General Product Information

Coughing and irritation of skin, eyes or respiratory tract.

Substance Analysis - LD50/LC50

No LD50/LC50's are available for the substances in this preparation.

Carcinogenicity

General Product Information

No information available for the product.

Substance Carcinogenicity

None of the substances in this preparation are listed by IARC, Austria, Belgium, Denmark, France, Germany, Ireland, Luxembourg, Netherlands, Spain, or United Kingdom.

SECTION 12 Ecological Information

Ecotoxicity: No information available for the product. No ecotoxicity data are available for the substances in this preparation.

Persistence and Degradability: No information available for the product.

Bioaccumulation Potential: No information available for the product.

Mobility in Soil: No information available for the product.

Other Adverse Effects: No information available for the product.

SECTION 13 Disposal Considerations

Storage and Disposal No information available.

Waste Disposal Method: Avoid disposal, attempt to utilize preparation completely. Prior to disposal of unused preparation, consult an approved waste disposal operative to ensure regulatory compliance. Refer to local statutory requirements and the Toxic Industrial Waste Regulations (TIWR) for proper disposal instructions.

SECTION 14 Transport Information

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

U.S. DOT UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

IMO/IMDG UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

ICAO/IATA UN/ID Number: Not Regulated
Proper shipping name:
Hazard Class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:
Special Precautions:

Canada (TDG) UN/ID Number: Not Regulated
Proper shipping name:
Hazard class:
Packing Group:
Exceptions:
Environmental Hazards:
Transport in Bulk:

Special Precautions:

SECTION 15
Regulatory Information

EU MARKING AND LABELLING:

Symbol(s): None

Risk Phrases: None

Safety Phrases: None

General Product Informatio : None

Substance Analysis - Inventory

Component/CAS	EC #	EEC	CAN	TSCA
Aluminum 7429-90-5	231-072-3	EINECS	DSL	Yes

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.

ABBREVIATIONS:

NG="NOT GIVEN"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable