

PRODUCT NAME: Zinc Spray 80% ABRO MASTERS
PRODUCT NUMBER/SIZE: ZN-400-AM-RE, ZN-540-AM-RE **Revision Date:** 01/01/2023

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: Zinc Spray
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:

Flammable aerosols: Category 1
Gases under pressure: Liquefied gas
Eye irritation: Category 2A
Carcinogenicity: Category 2
Specific target organ toxicity - single exposure: Category 3 (Central nervous system)

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Extremely flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer.

Precautionary Phrases: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Avoid breathing dust/ fume/ gas/ mist/ vapours/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection/ face protection. Use personal protective equipment as required.

Response: IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/ attention. If eye irritation persists: Get medical advice/ attention.

Storage / Disposal: Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F. Dispose of contents/ container to an approved waste disposal plant.

Other: Keep out of reach of children.

SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Acrylic Resin	25035-69-2	5-15
Ethyl Acetate	141-78-6	5-10
Methylene Chloride	75-09-2	5-15
Additives	1330-20-7	1-5
Zinc Powder	7740-66-6	30-40
Dimethyl Ether	115-10-6	20-30
Butyl Acetate	123-86-4	5-15

*Actual concentration or concentration range is withheld as a trade secret.

SECTION 4 First Aid Measures

PRIMARY ROUTE(S) OF ENTRY: Skin contact, inhalation, ingestion, eye contact.

SYMPTOMS OF OVEREXPOSURE: Vapors irritating to eyes and respiratory tract. Vapors may cause flash fire or explosion. Liquid, aerosols and vapors of this product are irritating and can cause pain, tearing, reddening and swelling accompanied by a stinging sensation and/or a feeling like that of fine dust in the eyes. Prolonged or repeated contact can result in defeating and drying of the skin which may result in skin irritation and dermatitis (rash). Headaches, dizziness, nausea, decreased blood pressure, changes in heart rate and cyanosis may result from over-exposure to vapor or skin exposure. Prolonged inhalation may be harmful. This material may be harmful or fatal if swallowed. Corrosive and may cause severe and permanent damage to mouth, throat and stomach. Overexposure may cause nervous system damage. Overexposure may cause lung damage. Overexposure may cause kidney damage.

SPECIAL TREATMENT REQUIRED: No information available. In all cases of doubt, or when symptoms persist, seek medical attention.

INHALATION:

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

SKIN CONTACT:

Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately before reuse.

EYE CONTACT:

Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.

INGESTION:

Get medical attention immediately. If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Information for doctor: Treat symptomatically and supportively.

SECTION 5 Fire Fighting Measures

Extinguishing media: Dry chemical, foam, carbon dioxide and sand . Water may be an ineffective extinguishing medium

Hazardous Combustion: This product is combustible at high temperatures. Toxic fumes, gases or vapors may evolve on burning. Carbon monoxide and carbon dioxide.

Protective Equipment and Precautions for Firefighters: Use water spray to cool fire-exposed containers and as a protective screen. Wear full set of protective equipment including chemical goggles and gloves.

Flammability per Flame Projection Test: Not determined

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Contain the discharge material. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Avoid inhalation of fumes. Avoid skin contact. Wear appropriate protective equipment and clothing during clean-up.

Methods and materials for containment and clean up: Isolate area. Keep unnecessary personnel away. Attempt to reclaim the free product, if this is possible.

Environmental precautions: Do not allow the spilled product to enter public drainage systems or open water courses.

SECTION 7 Handling and Storage

Precautions for Safe Handling:

Avoid breathing fumes if this product is used at high temperatures. Keep away from potential sources of ignition. Wash hands after handling and before eating.

Conditions for Safe Storage

Keep the container tightly closed and in a cool, well-ventilated place. Store away from strong oxidizers. Do not store this material in open and unlabeled containers.

SECTION 8 Exposure Controls/Personal Protection

Exposure Guidelines: If oil mists are generated, observe the OSHA exposure limit of 5 mg/m³. No ACGIH, NIOSH or OSHA exposure guidelines listed for the product's components.

Engineering Controls:

Use general ventilation and use local exhaust, where possible, in confined or enclosed spaces.

Personal Protective Equipment: Use good industrial hygiene practices

Respiratory protection: Under normal conditions, respirator is not normally required.

Skin protection: Chemically resistant gloves.

Eye and face protection: Wear safety goggles or face shield

SECTION 9 Physical and Chemical Properties

Form:	Aerosol containing a liquefied gas
Physical state:	aerosol
Colour:	No data available
Odour:	characteristic
Odour Threshold:	No data available
Flash point:	No data available
Ignition temperature:	No data available
Thermal decomposition:	No data available
Lower explosion limit:	1 %(V)
Upper explosion limit:	13 %(V)
Flammability:	Extremely flammable aerosol.
Molecular weight:	No data available
pH:	No data available
Boiling point/boiling range:	No data available
Vapour pressure:	No data available
Relative vapour density: (Air = 1.0)	4
Evaporation rate:	No data available
Density:	0.79 g/cm ³
Relative density:	No data available
Bulk density:	No data available
Water solubility:	No data available
Partition coefficient: n-octanol/water:	No data available

Solubility in other solvents: No data available
Viscosity, dynamic: No data available
Viscosity, kinematic: No data available
Volatile organic compounds (VOC) content: 44.83 %
576.29 g/l
PWR limit [g ozone/g product]: 1.40 (NFP)

SECTION 10 Stability and Reactivity

Reactivity: Not classified as a reactivity hazard.
Chemical stability: Stable under normal conditions.
Possibility of hazardous reactions: Flammable aerosol.
Conditions to avoid: Heat, flame, sources of ignition.
Hazardous decomposition products: None known.
Incompatible materials: Strong oxidizing agents
Hazardous polymerization: Will not occur.

SECTION 11 Toxicological Information

Toxicity Measures: This material is typically inert. Fumes are known to be mildly irritating to the nose, throat, and eyes.
Chronic Effects: May damage kidney, liver and blood
Teratogenicity: No data available for the product as a whole.
Reproductive Effects: No data available for the product as a whole.
Mutagenicity: No data available for the product as a whole.
Other Information: No data available for the product as a whole.

SECTION 12 Ecological Information

No information is available on ecotoxicity of this product. Keep product out of sewers and waterways

Ecotoxicity: Not determined.
Persistence and Degradability: Not determined.
Bioaccumulation Potential: Not determined.
Mobility in Soil: Not determined.
Other Adverse Effects: Not determined.

SECTION 13
Disposal Considerations

Storage and Disposal Product as shipped does not meet the definition or characteristics of a hazardous waste. No EPA Waste Numbers are applicable for this product's components.

Waste Disposal Method: Incinerate the material under controlled conditions in an approved incinerator.

SECTION 14
Transport Information

U.S. DOT UN/ID Number: UN1950
 Proper shipping name: Aerosols
 Hazard class: 2.1
 Packing Group: Not applicable
 Exceptions: May be shipped as a limited quantity in certain sizes
 Environmental: None
 Hazards:
 Transport in Bulk: Not applicable
 Special Precautions: ERG#126

IMO/IMDG UN/ID Number: UN1950
 Proper shipping name: Aerosols
 Hazard class: 2.1
 Packing Group: Not applicable
 Exceptions: May be shipped as a limited quantity in certain sizes
 Environmental: None
 Hazards:
 Transport in Bulk: Not applicable
 Special Precautions: EMS: F-D, S-U

ICAO/IATA UN/ID Number: UN1950
 Proper shipping name: Aerosols, flammable containing substances in division 6.1, packing group III
 Hazard Class: 2.1
 Packing Group: Not applicable
 Exceptions: May be shipped as a limited quantity in certain sizes
 Environmental: None
 Hazards:
 Transport in Bulk: Not applicable
 Special Precautions: None

Canada (TDG) UN/ID Number: UN1950
 Proper shipping name: Aerosols
 Hazard class: 2.1

Packing Group:	Not applicable
Exceptions:	May be shipped as a limited quantity in certain sizes
Environmental Hazards:	None
Transport in Bulk:	Not applicable
Special Precautions:	ERG#126

SECTION 15 Regulatory Information

Federal Regulations:

General Product Information - All components of this product are listed on the U.S. EPA TSCA Inventory. B. Component Information - None of this product's components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) or CERCLA (40 CFR 302.4).

International Regulations:

General Product Information - All known (non-proprietary) components of this product are listed on the EINECS inventory of existing chemicals. Component Information - None of this product's components are listed on the Canadian Controlled Product Ingredient Disclosure List.

State Regulations:

General Product Information - No components require labeling under California Proposition 65. Component Information - None of this product's components are listed on the state lists from CA, FL

SECTION 16 Other Information

We believe all information given is accurate. It is offered in good faith but without guarantee. Since conditions of use are beyond our control, user assumes all responsibility and risk.

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"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable

This information is intended to provide interpretative and authoritative information in regard to the subject matter covered as a service to our clients and has been answered to the best of our ability based on the information provided to us. We do not guarantee the accuracy or completeness of any such interpretation or information, however, nor do we warrant that compliance with any advice we provide will guarantee compliance with any legal or regulatory requirements. Our statements or opinions do not convey legal interpretation and government authorities, or legal counsel should be contacted for such a response.