

# Material Safety Data Sheet

acc. to ISO9001: 2015

## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

**Product name:** Anti-Rain Spray AR-100-RE

**MSDS#:**2022021010

**Manufacturer/Supplier:** ABRO INDUSTRIES, INC.

3580 Blackthorn Court South Bend, IN 46628, USA

COMPANY PHONE: +574-232-8289

**Emergency information:** Chemtrec: US/Canada 1-800-424-9300

International +1-703-527-3887

## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

#### Product AS SOLD

Eye irritation: Category 2B

#### Product AT USE DILUTION

Not a hazardous substance or mixture.

### GHS label elements

#### Product AS SOLD

Signal Word: Warning

Hazard Statements: Causes eye irritation.

Precautionary Statements:

#### Prevention:

Wash skin thoroughly after handling.

#### Response:

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Product AS SOLD

Pure substance/mixture: Mixture

Chemical name	CAS-No.	Concentration (%)
Deionized water	7732-18-5	70-80%
N,N-DIETHYL M-TOLUAMIDE	134-62-3	10-20%
ACRYLATE POLYMER	25133-97-5	1 - 10%
ALCOHOLS, C16-18	64-17-5	1 - 5%
C14-18 MONO- AND DIGLYCERIDES	67701-33-1	1 - 5%

### Product AT USE DILUTION

No hazardous ingredients

#### **SECTION 4. FIRST AID MEASURES**

##### **Product At Sold**

In case of eye contact: Rinse with plenty of water.

In case of skin contact: Rinse with plenty of water.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Get medical attention if symptoms occur.

Protection of first-aiders: No special precautions are necessary for first aid responders.

Notes to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

##### **Product AT USE DILUTION**

In case of eye contact: Rinse with plenty of water.

In case of skin contact: Rinse with plenty of water.

If swallowed: Rinse mouth. Get medical attention if symptoms occur.

If inhaled: Get medical attention if symptoms occur.

#### **SECTION 5. FIRE-FIGHTING MEASURES**

##### **Product AS SOLD**

Suitable extinguishing media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing Media: None known.

Specific hazards during fire Fighting: Not flammable or combustible.

Hazardous combustion products:

Decomposition products may include the following materials:

Carbon oxides

Nitrogen oxides (NO<sub>x</sub>)

Sulfur oxides

Oxides of phosphorus

Special protective equipment for fire-fighters: Use personal protective equipment.

Specific extinguishing methods: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. In the event of fire and/or explosion do not breathe fumes.

#### **SECTION 6. ACCIDENTAL RELEASE MEASURES**

##### **Product AS SOLD:**

Personal precautions, protective equipment and emergency procedures: Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Do not allow contact with soil, surface or ground water.

Methods and materials for containment and cleaning up: Stop leak if safe to do so. Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

##### **Product AT USE DILUTIO**

Personal precautions, protective equipment and emergency procedures: Refer to protective measures

listed in sections 7 and 8.

Environmental precautions: No special environmental precautions required.

Methods and materials for containment and cleaning up:

Stop leak if safe to do so. Contain spillage, and then collect with non- combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Flush away traces with water. For large spills, dike spilled material or otherwise contain material to ensure runoff does not reach a waterway.

**SECTION 7. HANDLING AND STORAGE**

**Product AS SOLD**

Advice on safe handling: Wash hands thoroughly after handling.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

Storage temperature: 5 °C to 50 °C

**Product AT USE DILUTIO**

Advice on safe handling: Wash hands after handling. For personal protection see section 8.

Conditions for safe storage: Keep out of reach of children. Store in suitable labeled containers.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Product AS SOLD**

**Ingredients with workplace control parameters**

Contains no substances with occupational exposure limit values.

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Eye protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Skin protection: No special protective equipment required.

Respiratory protection: No special protective equipment required.

Hygiene measures: Handle in accordance with good industrial hygiene and safety practice.

**Product AT USE DILUTION**

Engineering measures: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

**Personal protective equipment**

Eye protection: No special protective equipment required.

Hand protection: No special protective equipment required.

Skin protection: No special protective equipment required.

Respiratory protection: No personal respiratory protective equipment normally required.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

	<b>Product AS SOLD</b>	<b>Product AT USE DILUTION</b>
Appearance:	liquid	liquid
Color:	clear	clear
Odor:	Perfumes, fragrances	Perfumes, fragrances
pH:	10.9, 100 %	7.2 - 7.9
Flash point:	Not applicable, Does not sustain combustion.	
Odor Threshold:	No data available	

Melting point/freezing point:	No data available
Initial boiling point and boiling range:	100 °C
Evaporation rate:	No data available
Flammability (solid, gas):	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor pressure	Vapor pressure: No data available
Relative vapor density:	No data available
Relative density:	0.99 - 1.05
Water solubility:	soluble
Solubility in other solvents:	No data available
Partition coefficient: n- octanol/water:	No data available
Autoignition temperature:	No data available
Thermal decomposition: Viscosity, kinematic:	No data available
Explosive properties:	No data available
Oxidizing properties:	The substance or mixture is not classified as oxidizing.
Molecular weight:	No data available
VOC:	No data available

#### **SECTION 10. STABILITY AND REACTIVITY**

##### **Product As Sold**

Chemical stability: Stable under normal conditions.

Possibility of hazardous Reactions: No dangerous reaction known under conditions of normal use.

Conditions to avoid: None known.

Incompatible materials: None known.

Hazardous decomposition products:

Decomposition products may include the following materials:

Carbon oxides

Nitrogen oxides (NOx) Sulfur oxides

Oxides of phosphorus

#### **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure : Inhalation, Eye contact, Skin contact

##### **Potential Health Effects**

###### **PRODUCT AS SOLD**

Eyes: Causes eye irritation.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: Health injuries are not known or expected under normal use.

Chronic Exposure: Health injuries are not known or expected under normal use.

###### **Product AT USE DILUTION**

Eyes: Health injuries are not known or expected under normal use.

Skin: Health injuries are not known or expected under normal use.

Ingestion: Health injuries are not known or expected under normal use.

Inhalation: Health injuries are not known or expected under normal use.

Chronic Exposure: Health injuries are not known or expected under normal use.

**Experience with human exposure**

**PRODUCT AS SOLD**

Eye contact: Redness, Irritation

Skin contact: No symptoms known or expected.

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known or expected.

**Product AT USE DILUTION**

Eye contact: Redness, Irritation

Skin contact: No symptoms known or expected.

Ingestion: No symptoms known or expected.

Inhalation: No symptoms known or expected.

**Toxicity**

**PRODUCT AS SOLD**

**Product**

Acute oral toxicity: Acute toxicity estimate: > 5,000 mg/kg

Acute inhalation toxicity: No data available

Acute dermal toxicity: Acute toxicity estimate: > 5,000 mg/kg

Skin corrosion/irritation: No data available

Serious eye damage/eye irritation: Mild eye irritation

Respiratory or skin sensitization: No data available

Carcinogenicity: No data available

Reproductive effects: No data available

Germ cell mutagenicity: No data available

Teratogenicity: No data available

STOT-single exposure: No data available

STOT-repeated exposure: No data available

Aspiration toxicity: No data available

**SECTION 12. ECOLOGICAL INFORMATION**

**Product AS SOLD**

**Ecotoxicity**

Environmental Effects: This product has no known ecotoxicological effects.

**Product**

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

**Ingredients**

Toxicity to algae: d-glucopyranose, oligomeric, decyl octyl glycosides 72 h EC50: 18 mg/

**Persistence and degradability**

**Product AS SOLD**

Readily biodegradable.

**Bioaccumulative potential**

No data available

**Mobility in soil**

No data available

**Other adverse effects**

No data available

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Product AS SOLD**

Disposal methods: Diluted product can be flushed to sanitary sewer.

Disposal considerations: Diluted product can be flushed to sanitary sewer.

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

**Product AT USE DILUTION**

Disposal methods: Diluted product can be flushed to sanitary sewer.

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

**SECTION 14. TRANSPORT INFORMATION**

**Product AS SOLD**

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

**Land transport (DOT)**

Not dangerous goods

**Sea transport (IMDG/IMO)**

**SECTION 15. REGULATORY INFORMATION**

**Product AS SOLD**

**EPCRA - Emergency Planning and Community Right-to-Know**

**CERCLA Reportable Quantity**

This material does not contain any components with a CERCLA RQ.

**SARA 304 Extremely Hazardous Substances Reportable Quantity**

This material does not contain any components with a section 304 EHS RQ.

**SARA 311/312 Hazards: Acute Health Hazard**

**SARA 302:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65**

This product does not contain any chemicals known to the State of California to cause cancer, birth, or any other reproductive defects.

**The ingredients of this product are reported in the following inventories:**

**Switzerland. New notified substances and declared preparations:** not determined

**United States TSCA Inventory:** On TSCA Inventory

**Canadian Domestic Substances List (DSL):** All components of this product are on the Canadian DSL

**Australia Inventory of Chemical Substances (AICS) :** On the inventory, or in compliance with the inventory

**New Zealand. Inventory of Chemical Substances:** On the inventory, or in compliance with the inventory

**Japan. ENCS - Existing and New Chemical Substances Inventory:** On the inventory, or in compliance with the inventory

**Japan. ISHL - Inventory of Chemical Substances (METI) :** not determined

**Korea. Korean Existing Chemicals Inventory (KECI) :** On the inventory, or in compliance with the inventory

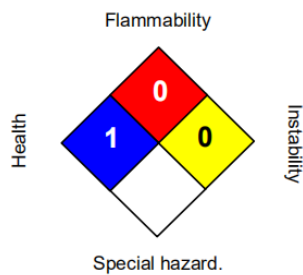
**Philippines Inventory of Chemicals and Chemical Substances (PICCS) :** On the inventory, or in compliance with the inventory

**China. Inventory of Existing Chemical Substances in China (IECSC) :** On the inventory, or in compliance with the inventory

**SECTION 16. OTHER INFORMATION**

**Product AS SOLD**

**NFPA:**



**HMIS III:**

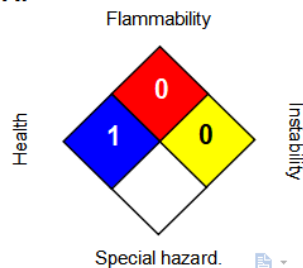
<b>HEALTH</b>	<b>1</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**Product AT USE DILUTION**

**NFPA:**

**NFPA:**



**HMIS III:**

**HMIS III:**

<b>HEALTH</b>	<b>0</b>
<b>FLAMMABILITY</b>	<b>0</b>
<b>PHYSICAL HAZARD</b>	<b>0</b>

0 = not significant, 1 =Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

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Prepared by: Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.