

# Safety Data Sheet

Revision Date: 4/20/2015

Page 1 of 6

## 1 PRODUCT AND COMPANY IDENTIFICATION

### Vendor

CONTINENTAL RESEARCH CORPORATION  
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St. Louis, MO 63110

Phone: 800-325-4869

Emergency Phone: 888-255-3924 (CHEM-TEL)

**Product Name:** ARMADILLO A  
**Revision Date:** 4/20/2015  
**Version:** New

**Common Name:** Spray Protectant  
**Product use:** Hard Surface Cleaner/Protectant

## 2 HAZARDS IDENTIFICATION

**Route of Entry:** Eyes - Yes    Skin - Yes    Inhalation - Yes    Ingestion - Unlikely

**Inhalation:** Minimal irritation expected

**Skin Contact:** May cause minimal to no irritation

**Eye Contact:** May cause transient irritation in eyes

**Ingestion:** May cause gastrointestinal irritation;

NFPA: Health = 2, Fire = 1, Reactivity = 0

HMIS III: H2/F1/PH0



HMIS III	
HEALTH	2
FLAMMABILITY	1
PHYSICAL HAZARDS	0
PERSONAL PROTECTION B   Safety Glasses, Gloves	

GHS Signal Word:  
DANGER

GHS Hazard Pictograms:



GHS Classifications:  
Physical, Flammable Aerosols, 3  
Health, Acute toxicity, 3 Oral  
Health, Acute toxicity, 3 Inhalation  
Health, Acute toxicity, 3 Dermal

GHS Phrases:  
H229 - Pressurized container: may burst if heated  
H301 - Toxic if swallowed  
H331 - Toxic if inhaled  
H311 - Toxic in contact with skin

GHS Precautionary Statements:  
P102 - Keep out of reach of children.  
P103 - Read label before use.  
P211 - Do not spray on an open flame or other ignition source.

# Safety Data Sheet

Revision Date: 4/20/2015

Page 2 of 6

P251 - Pressurized container: Do not pierce or burn, even after use.

P273 - Avoid release to the environment.

P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P302+350 - IF ON SKIN: Gently wash with soap and water.

P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.

P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing.

P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.

P333+313 - If skin irritation or a rash occurs: Get medical advice/attention.

P338 - Remove contact lenses if present and easy to do. Continue rinsing.

P412 - Do not expose to temperatures exceeding 50 °C/122 °F

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

### Ingredients:

Cas # | Percentage | Chemical Name

74-98-6 | <5% | Propane

106-97-8 | <2% | Butane

## 4 FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. Apply artificial respiration if needed. Get medical attention.  
**Skin Contact:** Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation persists.  
**Eye Contact:** Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.  
**Ingestion:** DO NOT INDUCE VOMITING unless directed by a physician or poison control center. Get medical attention immediately.

## 5 FIRE FIGHTING MEASURES

**Flammability:** Flammable by propellant concentration  
**Flash Point:** -156°F (-104.4°C) (propellant) Concentrate non-flammable  
**Flash Point Method:** Estimated  
**Burning Rate:** Not available.  
**Autoignition Temp:** Not available.  
**LEL:** Not available.  
**UEL:** Not available.

### Means of Extinction:

Suitable Extinguishing Media: Powder, water spray, foam, carbon dioxide.

Unsuitable Extinguishing Media: Not available.

Products of Combustion: May include, and are not limited to: oxides of carbon.

### Explosion Data:

Sensitivity to Mechanical Impact: Not available.

Sensitivity to Static Discharge: Not available.

Protection of Firefighters: Containers may explode when heated. Keep upwind of fire. Wear full fire fighting turn-out gear (full Bunker gear) and respiratory protection (SCBA).

# Safety Data Sheet

Revision Date: 4/20/2015

Page 3 of 6

6

## ACCIDENTAL RELEASE MEASURES

**Personal Precautions:** Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition. Ruptured cylinders may rocket.

**Environmental Precautions:** Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). This material is a water pollutant. Keep out of drains, sewers, ditches, and waterways. Minimize use of water to prevent environmental contamination.

**Methods for Containment:** Contain and/or absorb spill with inert material (e.g. sand, vermiculite), then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

**Methods for Clean-Up:** Vacuum or sweep material and place in a disposal container. Allow gas to dissipate harmlessly into the atmosphere.

7

## HANDLING AND STORAGE

**Handling Precautions:** HARMFUL IF INHALED OR SWALLOWED. VAPOR HARMFUL. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep out of reach of children. Read label cautions carefully. Follow label directions to avoid injury. Use with adequate ventilation. Do not use in confined areas. Keep away from heat, sparks or open flames. Wash hands thoroughly after each use. Do not smoke while using. Avoid contact with skin and eyes. Avoid breathing vapor or mist. Do not puncture container.

**Storage Requirements:** Keep out of reach of children. Do not store near heat, sparks, or open flames. Do not expose to temperatures above 120°F as container may vent, rupture or burst. Do not puncture or incinerate container. Store in accordance with NFPA 30B for LEVEL 1 AEROSOL.

8

## EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Maintain adequate ventilation.

**Personal Protective Equip:** HMIS PP, B | Safety Glasses, Gloves

INGREDIENTS	OSHA-PEL	EXPOSURE LIMITS	
		ACGIH-TLV	OTHER
Mineral Oil, Technical	5mg/m <sup>3</sup> (oil mist)	5mg/m <sup>3</sup> 10mg/m <sup>3</sup> (oil mist)	
Propane	Unknown	1000ppm	
Butane	Unknown	800ppm	

# Safety Data Sheet

Revision Date: 4/20/2015

Page 4 of 6

9

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	White opaque mobile emulsion	<b>Odor:</b>	Slight ammonia / woody scent
<b>Physical State:</b>	Mixture packaged in pressurized aerosol sp	<b>Solubility:</b>	Soluble
<b>Spec Grav./Density:</b>	1.005 - 1.015g/ml	<b>Flash Point:</b>	-156°F (-104.4°C) (propellant) Concentrate
<b>Boiling Point:</b>	>200°F	<b>VOC:</b>	5.0%
<b>Flammability:</b>	Flammable		
<b>Vapor Pressure:</b>	No Data		
<b>pH:</b>	9.5 - 10.5		
<b>Evap. Rate:</b>	<1.00		

10

## STABILITY AND REACTIVITY

<b>Stability:</b>	Product is stable under normal conditions.
<b>Conditions to Avoid:</b>	Heat, sparks, open flames and temperatures above 120°F
<b>Materials to Avoid:</b>	Strong Oxidizing Agents.
<b>Hazardous Decomposition:</b>	CO, CO2
<b>Hazardous Polymerization:</b>	Will not occur.

11

## TOXICOLOGICAL INFORMATION

### Toxicity Data:

**Eye Effects:** May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

**Skin Effects:** May cause skin irritation. Handling can cause dry skin.

**Accute Inhalation Effects:** May cause respiratory tract irritation. This product may be aspirated onto the lungs and cause chemical pneumonitis.

**Chronic Effects:** Not Hazardous by WHMIS/OSHA criteria.

**Carcinogenicity:** Not Hazardous by WHMIS/OSHA criteria.

**Mutagenicity:** Not Hazardous by WHMIS/OSHA criteria.

**Teratogenicity:** Not Hazardous by WHMIS/OSHA criteria.

12

## ECOLOGICAL INFORMATION

**Ecotoxicity:** May cause long-term adverse effects in the aquatic environment

**Persistence / Degradability:** Not available.

**Bioaccumulation / Accumulation:** Not available.

**Mobility in Environment:** Not available.

13

## DISPOSAL CONSIDERATIONS

Do not allow into drains or water sources. Waste and empty containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, weather special waste regulations apply.

# Safety Data Sheet

Revision Date: 4/20/2015

Page 5 of 6

14

## TRANSPORT INFORMATION

DOT Class: Flammable Gas (2.1) #2.1  
UN #: UN 1950, Class: 2, Proper Shipping Name: Aerosols, Flammable

### DOT

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable

### IATA

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No
Other information	
Passenger and cargo aircraft	Allowed
Cargo aircraft only	Allowed

### IMDG

UN Number	UN1950
UN proper shipping name	Aerosols, flammable
Transport Hazard Class(es)	
Class	2.1
Subsidiary risk	---
Label(s)	2.1
Packing group	Not applicable
Environmental hazards	No

# Safety Data Sheet

Revision Date: 4/20/2015

Page 6 of 6

15

## REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES

-----  
\*Butane (106978 <2%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

\*Propane (74986 <5%) MASS, NJHS, OSHAWAC, PA, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

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MASS = MA Massachusetts Hazardous Substances List  
NJHS = NJ Right-to-Know Hazardous Substances  
OSHAWAC = OSHA workplace Air Contaminants  
PA = PA Right-To-Know List of Hazardous Substances  
TSCA = Toxic Substances Control Act  
TXAIR = TX Air Contaminants with Health Effects Screening Level

**Proposition 65** - California Safe Drinking Water and Toxic Enforcement Act of 1986

This product is not known to contain any chemicals currently listed as carcinogens or reproductive toxins under California Proposition 65 at levels which would be subject to the proposition.

16

## OTHER INFORMATION

**Issued By:** EHS Administrator

**Publication Date:** 4/20/2015

**Revision No.** New

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