

**PRODUCT NAME:** Russian Paint Remover ABRO  
**PRODUCT NUMBER/SIZE:** PR-600-R

**Rev Date:** 2/11/2020

**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:** Paint Remover  
**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:**

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Liquefied gas; Carc. 2; Skin Irrit. 2; Eye Irrit. 2;  
STOT SE 1;

**Label Pictogram(s):**



**Signal Word(s):** DANGER

**Hazard Phrases:** Extremely flammable aerosol.  
Contains gas under pressure; may explode if heated.  
Suspected of causing cancer.  
Causes skin irritation.  
Causes serious eye irritation.  
Causes damage to organs: Optic nerve, Central Nervous System  
May cause drowsiness or dizziness.

**Precautionary Phrases:** Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
Do not spray on an open flame or other ignition source.  
Do not pierce or burn, even after use.

Protect from sunlight. Do not expose to temperatures exceeding 50°C/ 122°F.  
 Wear protective gloves/protective clothing/eye protection/face protection.  
 Avoid breathing spray.  
 Do not eat, drink or smoke when using this product.  
 Use only outdoors or in a well-ventilated area.  
 Wash hands and exposed skin after use.

**Other Hazards:** Harmful to aquatic life.

### SECTION 3 Composition/Information on Ingredients

Ingredient	% wt.	CS No.	Hazard classification
Methylene Chloride <sup>^</sup>	70 - 75	75-09-2	Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H336 Carc. 2; H351 Aquatic Acute 3; H402
Polyethylene glycol octylphenyl ether	1 - 3	9036-19-5	Acute Tox. 4; H302 Eye Dam. 1; H318 Aquatic Chronic 3; H412
Methanol	1 - 3	67-65-1	Flam. Liq. 2; H225 Acute Tox. 3; H301, H311, H331 STOT SE 1; H370
Propane	5 - 10	74-98-6	Flam. Gas 1; H220 Liquefied gas; H280
Butane	5 - 10	106-97-8	Flam. Gas 1; H220 Liquefied gas; H280

<sup>^</sup>Employers must implement an exposure monitoring program in accordance with 29 CFR 1910.1052.

Additional Information – Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.:

- Ethylbenzene (CAS No. 100-41-4)

### SECTION 4 First Aid Measures

#### **4.1 DESCRIPTION OF THE FIRST AID MEASURE**

**Eye:**

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.

**Skin:**

Wash affected skin with soap and water. If irritation (redness, rash, blistering) develops, get medical attention. Take off contaminated clothing and wash it before reuse.

**Inhalation:**

Remove persons affected by vapour to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

**Ingestion:**

Do not induce vomiting. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Risk of aspiration. If exposed or concerned: Call a POISON CENTER/doctor.

**4.3 INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENTS NEEDED**

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

**SECTION 5**  
**Fire Fighting Measures**

**Extinguishing Media**

-Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.

-Unsuitable Extinguishing Media

Do not use water jet.

**Special hazards arising from the substance or mixture**

None

**Advice for fire-fighters**

A self contained breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

**SECTION 6**  
**Accidental Release Measures**

**Personal precautions, protective equipment and emergency procedures**

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Take precautionary measures against static discharges. Avoid contact with skin and eyes. Avoid breathing spray. Wear protective gloves/protective clothing/eye protection/face protection.

**Environmental precautions**

Prevent liquid entering sewers, basements and work pits. Avoid release to the environment.

**Methods and material for containment and cleaning up**

Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference to other sections**

None

**Additional Information**

None

**SECTION 7**  
**Handling and Storage**

**Precautions for safe handling**

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid contact with skin and eyes. Use product in a well-ventilated area only. Avoid breathing spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood.

Employers must implement an exposure monitoring program in accordance with 29 CFR 1910.1052



## SECTION 9 Physical and Chemical Properties

### Information on basic physical and chemical properties

Appearance	Aerosol spray
Color	Clear
Odor	Mildly sweet. Chloroform-like
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	Not available
Flash Point (°C)	-104 °C (Propane)
Evaporation Rate	Not available
Flammability (solid, gas)	Flammable aerosol.
Explosive Limit Ranges	2.1% - 9.5% v/v (Propane)
Vapor pressure (Pascal)	ca. $95 \times 10^4$ (Propane)
Vapor Density (Air=1)	ca. 1.56 @ 0 °C (Propane)
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	<20.5 @ 40 °C
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
<b>Other information</b>	None

## SECTION 10 Stability and Reactivity

### **10.1 REACTIVITY**

Stable under normal conditions.

### **10.2 CHEMICAL STABILITY**

Stable.

### **10.3 POSSIBILITY OF HAZARDOUS REACTIONS**

None anticipated.

### **10.4 CONDITIONS TO AVOID**

Avoid contact with heat and ignition sources.

### **10.5 INCOMPATIBLE MATERIALS**

This product should be stored away from sources of strong heat or oxidizing chemicals. Strong Acids, strong bases and reactive metals.

**10.6 HAZARDOUS DECOMPOSITION PRODUCTS**

Carbon monoxide, Carbon dioxide, Acrid smoke, Hydrogen chloride, Phosgene gas, Chlorine gas.

**SECTION 11  
Toxicological Information**

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

Methylene Chloride (CAS No. 75-09-2):

**Acute toxicity** (calculated / estimated)

Oral: LD50 >2000 mg/kg-bw  
Dermal: LD50 >2000 mg/kg-bw  
Inhalation: LC50 49000 mg/m<sup>3</sup> (Vapor), 4-hr. rat -  
May cause drowsiness or dizziness.

**Irritation/Corrosivity**

Causes skin irritation. Repeated exposure may cause skin dryness or cracking.

**Sensitization**

It is not a skin sensitizer.

**Repeated dose toxicity**

Oral: NOEL 6 mg/kg  
Inhalation: NOAEC 200 ppm (0.7 mg/L)

**Carcinogenicity**

Suspected of causing cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2B	A3	Yes.	Yes.

**Mutagenicity**

Not to be expected

**Reproductive toxicity**

Not to be expected

Methanol (CAS# 67-56-1):

**Acute toxicity \***

LD50 (oral, monkey): 7000 mg/kg-bw  
LD0 (oral, rat): ≥ 2528 mg/kg-bw  
LC50 (inhal., cat, 6-hours): 43.68 mg/L  
LC50 (inhal., monkey, 4-hours): 52 mg/L  
Ingestion may damage the optic nerve.  
May cause dizziness and drowsiness.

**Irritation**

May cause eye irritation.

**Sensitisation**

It is not a skin sensitiser.

**Repeated dose toxicity**

NOAEC (2-yr. inhal., mouse): ≥ 1.3 mg/L

**Developmental Toxicity**

Negative. Not a specific developmental toxin.

**Toxicity for reproduction**

Negative. Not a specific reproductive toxin.

**Carcinogenicity**

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Other information**

- \* ATE (oral) = 100 mg/kg
- \* ATE (dermal) = 300 mg/kg
- \* ATE (inhalation) = 3 mg/L

\*ATE = Acute Toxicity Estimate for purposes of classification

## SECTION 12 Ecological Information

**Ecotoxicity**

Methylene Chloride (CAS No. 75-09-2):

Short term	LC50 (96 hour): 193 mg/L (fish) EC50 (48 hour): 27 mg/L (crustacea)
Long Term	NOEC (28 days): 142 mg/L (fish) LOEC (21 days): 6.2 mg/L (crustacea)

**Persistence and degradability**

Readily biodegradable.

**Bioaccumulative potential**

The product has no potential for bioaccumulation.

**Mobility in soil**

Not available.

**Results of PBT and vPvB**

Not classified as PBT or vPvB.

**assessment**

**Other adverse effects**

None known.

## SECTION 13 Disposal Considerations

**Waste treatment methods**

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

## SECTION 14 Transport Information

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
<b>UN number</b>	1950	1950	1950
<b>Proper Shipping Name</b>	Aerosols, flammable	Aerosols, flammable	Aerosols, flammable
<b>Transport hazard class(es)</b>	2.1	2.1	2.1
<b>Packing group</b>	Not applicable	Not applicable	Not applicable
<b>Environmental hazards</b>	None assigned	None assigned	None assigned
<b>Special precautions for user</b>	None assigned	None assigned	None assigned

**Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:** Not applicable

## SECTION 15 Regulatory Information

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**Designated Hazardous Substances and Reportable Quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (Pounds)
Methylene Chloride	75-09-2	70 - 75	1000
Methanol	67-56-1	1 - 3	5000

**SARA 311/312 - Hazard Categories:** See SECTION 2: HAZARDS IDENTIFICATION

**SARA 313 - Toxic Chemicals (40 CFR 372):**

Chemical Name	CAS No.	Typical %wt.
Methylene Chloride	75-09-2	70 - 75
Methanol	67-56-1	1 - 3

**SARA 302 - Extremely Hazardous Substances (40 CFR 355):**

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	----	----	----

**California Proposition 65 List:**

Chemical Name	CAS No.	Type of Toxicity
Methylene Chloride	75-09-2	Cancer
Methanol	67-56-1	Developmental

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