

PRODUCT NAME: ABRO A/C Deodorizer  
PRODUCT NUMBER/SIZE: AC-050

Revision Date: 10/28/2014

## 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: A/C Deodorizer  
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

HMIS: Health 1 Flamm 4 React. 0 NFPA: Tox. 1 Flamm. 4 React. 0

### Classification:

Extremely Flammable Aerosol Category 1  
Eye irritation Category 2A  
Specific Target Organ Toxicity (Single Exposure) – Category 3  
Aspiration Hazard Category 1

### Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Extremely flammable aerosol. Pressurized container: may burst if heated  
May be fatal if swallowed and enters airways. Causes serious eye irritation.  
May cause drowsiness or dizziness. May cause respiratory irritation.

Precautionary Phrases: Keep away from heat/sparks/open flames/hot surfaces. No smoking.  
Do not spray on an open flame or other ignition source. Keep container tightly closed. Avoid breathing fumes. Do not pierce or burn, even after use.  
Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection.

Response: IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. IF  
INHALED: Remove person to fresh air and keep comfortable for breathing. 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 attention. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. **IF ON SKIN:** Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.

**Storage / Disposal:**

Store locked up in a well-ventilated place. Keep container tightly closed. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/ container in compliance with local and federal regulations.

**Other:**

Keep out of reach of children. If medical advice is needed, have product container or label at hand. Read label before use.

**SECTION 3**  
**Composition/Information on Ingredients**

<b>COMPONENTS</b>	<b>CAS Number</b>	<b>Percent by weight</b>
Isopropanol	76-63-0	75 %
Liquefied Petroleum Gas	68476-86-8	20 %
1-Methoxy-2-Propanol	107-98-2	4 %

\*\* Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372. Components of a blended material regulated under section 313 of SARA.

**SECTION 4**  
**First Aid Measures**

**First Aid Measures**

<b>Immediate Medical Attention:</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation.
<b>Eyes</b>	Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.
<b>Skin</b>	Remove contaminated clothing and wash skin with soap and water. Get medical attention if irritation persists
<b>Ingestion</b>	DO NOT INDUCE VOMITING unless directed by a physician or poison control center. Get medical attention immediately.
<b>Inhalation</b>	Remove victim to fresh air. Apply artificial respiration if needed. Get medical attention.
<b>Signs &amp; Symptoms Of Over Exposure:</b>	High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache or indigestion. Direct spray or vapors will irritate and may harm eyes.
<b>Special Treatment:</b>	None.

## SECTION 5 Fire Fighting Measures

<b>Extinguishing media</b>	Dry Chemical (B-C), Alcohol Foam, Regular Foam, CO <sub>2</sub>
<b>Hazardous Combustion:</b>	Unknown
<b>Protective Equipment and Precautions for firefighters:</b>	Keep containers cool using water spray. Use proper equipment to protect personnel from bursting containers.  Contents under pressure. Do not use near fire, sparks, or flame. Do not puncture or incinerate container. Exposure to temperatures above 120°F may cause container to burst.
<b>Flammability per Flame Projection Test</b>	EXTREMELY FLAMMABLE

## SECTION 6 Accidental Release Measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	IF SWALLOWED: Immediately call a doctor. Do NOT induce vomiting. IF INHALED: Remove person to fresh air and keep comfortable for breathing. 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 attention. Call a POISON CENTER or doctor/physician if exposed or you feel unwell. IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Methods/materials for containment and cleanup:</b>	Absorb spill with inert material then place in a chemical waste container. Dispose of in accordance with local, state, and federal regulations.
<b>Environmental precautions:</b>	None.

## SECTION 7 Handling and Storage

<b>Precautions for Safe Handling</b>	DANGER: EXTREMELY FLAMMABLE. EYE, SKIN AND RESPIRATORY IRRITANT. Contents under pressure. Keep away from heat, sparks and open flames. Do not smoke while using. Avoid contact with eyes. Avoid prolonged or repeated contact with skin. Use only in a well-ventilated area.
<b>Conditions for Safe Storage</b>	Do not store at temperatures above 120°F. Intentional misuse by deliberately concentrating and inhaling the vapors (contents) may be harmful or fatal. Do not puncture or incinerate containers. Keep out of reach of children. Store in accordance with NFPA 30B for Level 2 Aerosols.

## SECTION 8 Exposure Controls/Personal Protection

COMPONENTS	CAS Number	OSHA PEL	ACGIH TLV
Propanol	67-63-0	400 ppm 400 ppm STEL	200 ppm
1-Methoxy-2-Propanol	107-98-2	100 ppm	100 ppm
Propane	74-98-6	Unknown	1000 ppm
<b>Engineering Controls:</b>		None required for normal use. Maintain adequate ventilation	
<b>Personal Protective Equipment:</b>		<p><b>Skin</b> Impervious clothing and boots. Wash hands after each use. Wear CHEMICAL RESISTANT GLOVES if repeated skin contact occurs or causes irritation</p> <p><b>Eyes</b> Wear SAFETY GLASSES to prevent eye contact</p> <p><b>Respiratory</b> Use respirator when TLV is exceeded</p>	

## SECTION 9 Physical and Chemical Properties

<b>Appearance and Physical State:</b>	Colorless clear mixture packaged in pressurized aerosol spray can.
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not Available.
<b>pH:</b>	Not Applicable.
<b>Melting Point/Freezing Point:</b>	Not Available.
<b>Initial boiling point &amp; boiling range:</b>	Greater than 100 °F
<b>Flash Point:</b>	Not Available.
<b>Evaporation rate:</b>	Greater than 1.0 (BuAc=1)
<b>Flammability (solid, gas)</b>	Not Available.
<b>Upper/lower flammability or explosive limits</b>	Not Available
<b>Vapor pressure</b>	Not Available.
<b>Vapor density</b>	Not Available.
<b>Relative density / Specific gravity</b>	0.790 – 0.810 g/mL (concentrate)
<b>Solubility</b>	Insoluble in water
<b>Partition Coefficient n-Octanol/Water</b>	Not Available.
<b>Auto-ignition Temperature:</b>	Not Available.
<b>Decomposition Temperature:</b>	Not Available.
<b>Viscosity:</b>	Not Available.
<b>%-VOC Content:</b>	93.45 %
<b>CARB VOC Category/Standard (%)</b>	EXPORT
<b>OTC Model Rule Category/Standard (%)</b>	EXPORT
<b>US EPA Cons Prod Category/Standard (%)</b>	EXPORT

## SECTION 10 Stability and Reactivity

<b>Reactivity</b>	Product is non-reactive under normal conditions of use.
<b>Chemical Stability:</b>	Product is stable

<b>Possibility of hazardous reactions:</b>	None known.
<b>Conditions to avoid (e.g. static discharge, shock or vibration):</b>	Fire, sparks, open flames, temperatures above 120°F
<b>Incompatibilities:</b>	Strong oxidizers
<b>Hazardous decomposition products:</b>	CO, CO <sub>2</sub> , Hydrocarbons
<b>Hazardous polymerization:</b>	Will not occur

## SECTION 11 Toxicological Information

<b>Likely Routes of Exposure:</b>	Skin or eye contact and inhalation
<b>Symptoms:</b>	High concentrations of vapors may irritate nose and throat and cause symptoms of intoxication such as dizziness, nausea, headache or indigestion. Direct spray or vapors will irritate and may harm eyes
<b>Delayed and Immediate Effects:</b>	No information available.
<b>Chronic Effects:</b>	No information available.
<b>Toxicity Measures:</b>	<b>1-Methoxy-2-Propanol</b> Acute oral toxicity: LD 50 Rat: 7,200 mg/kg Acute inhalation toxicity: LC 50 Rat: 10000 ppm, 4 h Acute dermal toxicity: LD 50 Rabbit: 13,000 mg/kg  <b>2-Propanol</b> Acute oral toxicity: no data available Acute inhalation toxicity: LC 50 Rat: 16000 ppm; 4 h Acute dermal toxicity: no data available
<b>NTP Carcinogen:</b>	No.
<b>IARC Carcinogen:</b>	No.
<b>OSHA Carcinogen:</b>	No.

## SECTION 12 Ecological Information

<b>Ecotoxicity:</b>	<b>2-Propanol</b> Toxicity to fish: 96 h LC 50 Fathead minnow ( <i>Pimephales promelas</i> ): 5,770.00 - 7,450.00 mg/l Method: Flow through; Mortality Toxicity to daphnia and other aquatic invertebrates: 24 h static test LC 50 Water flea ( <i>Daphnia magna</i> ): > 10,000.00 mg/l Method: Static Mortality
<b>Persistence and Degradability:</b>	No information available.
<b>Bioaccumulation Potential:</b>	No information available.

**Mobility in Soil:** No information available.  
**Other Adverse Effects:** No information available.

**SECTION 13**  
**Disposal Considerations**

**Storage and Disposal** Do not store at temperatures above 120°F. Intentional misuse by deliberately concentrating and inhaling the vapors (contents) may be harmful or fatal. Do not puncture or incinerate containers. Keep out of reach of children. Store in accordance with NFPA 30B for Level 2 Aerosols

**Waste Disposal Method:** Dispose of in accordance with all applicable local, state and federal regulations.

**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: UN1950  
 Proper shipping name: Aerosols  
 Hazard class: 2.1  
 Packing Group: None  
 Exceptions: May be shipped as a limited quantity or consumer commodity  
 Environmental Hazards: No  
 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: None  
 Exceptions: May be shipped as a limited quantity  
 Environmental Hazards: No  
 Transport in Bulk: Not Applicable  
 Special Precautions: EmS F-D, S-U

**ICAO/IATA** UN/ID Number: UN1950  
 Proper shipping name: Aerosols, flammable  
 Hazard Class: 2.1  
 Packing Group: None  
 Exceptions: May be shipped as a limited quantity or reclassified as ID8000  
 Environmental Hazards: No  
 Transport in Bulk: Not Applicable  
 Special Precautions: None

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

Packing Group:	None
Exceptions:	May be shipped as a limited quantity
Environmental Hazards:	No
Transport in Bulk:	Not Applicable
Special Precautions:	ERG#126

## SECTION 15 Regulatory Information

This product is considered to be hazardous under the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Section 313 Information (40 CFR 372): This product contains a chemical which is listed in Section 313 at or above the de minimis concentrations. None

U. S. Toxic Substance Control Act (TSCA): All components of this product are listed on the U.S. Toxic Substance Control Act (TSCA) Chemical Substance Inventory.

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.

## 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