

PRODUCT NAME: ABRO Bug and Tar Remover
PRODUCT NUMBER/SIZE: BT-422

Revision Date: 10/29/2014

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: Bug and Tar 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:

Extremely Flammable Aerosol Category 1
Eye irritation Category 2A
Aspiration Hazard Category 1
Specific target organ toxicity single exposure Category 3
Acute toxicity, Inhalation Category 4
Acute toxicity, Dermal Category 4
Skin irritation Category 2

Label Pictogram(s):



Signal Word: DANGER

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

Precautionary Phrases: Keep away from and do not spray on open flames or other ignition sources. No
smoking. Do not pierce or burn, even after use Keep container tightly closed.
Avoid breathing fumes. Wash 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 doctor if exposed or you feel unwell. **IF ON SKIN:** Take off contaminated clothing and wash it before reuse. Wash with plenty of soap and water. If skin irritation occurs or if you feel unwell: call a doctor.

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 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**

COMPONENTS	CAS Number	Percent by weight
Petroleum Distillates	64742-47-8	10-30 %
Liquefied Petroleum Gas	68476-86-8	15-40 %
**2-Butoxyethanol	111-76-2	<1 %

** 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

Immediate Medical Attention: Provide general supportive measures and treat symptomatically. Keep victim under observation.

Eyes: Flush eyes immediately with water for at least 15 minutes or until irritation subside, occasionally lifting lower and upper lids. Get medical attention promptly.

Skin: Wash thoroughly with soap and water. Immediately remove contaminated clothing and wash before reuse. If irritation or rash develops, obtain medical attention.

Ingestion: CALL PHYSICIAN IMMEDIATELY. Do not induce vomiting except at the instruction of a physician. Never give anything by mouth to an unconscious person.

Inhalation: Remove patient to fresh air and consult a physician. If breathing is difficult, give oxygen. If not breathing give artificial respiration.

Signs & Symptoms Of Over Exposure: 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.

Special Treatment: None.

SECTION 5 Fire Fighting Measures

Extinguishing media	Dry Chemical, Foam, CO ₂
Hazardous Combustion:	Unknown
Protective Equipment and Precautions for firefighters:	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.
Flammability per Flame Projection Test	EXTREMELY FLAMMABLE

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	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 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 attention.
Methods/materials for containment and cleanup:	Absorb spill with inert material then place in a chemical waste container. Dispose of in accordance with local, state, and federal regulations.
Environmental precautions:	None.

SECTION 7 Handling and Storage

Precautions for Safe Handling	DANGER: EXTREMELY FLAMMABLE. 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. Intentional misuse by deliberately concentrating and inhaling the vapors (contents) may be harmful or fatal. Do not puncture or incinerate containers.
Conditions for Safe Storage	Keep out of reach of children. Do not store at temperatures above 120°F. Store in accordance with NFPA 30B for Level 1 Aerosols.

SECTION 8
Exposure Controls/Personal Protection

<u>Chemical</u>	<u>CAS Number</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Petroleum Distillates	64742-47-8	Not Established	Not Established
Liquefied Petroleum Gas	68476-86-8	Unknown	1000 ppm
**2-Butoxyethanol	111-76-2	50 ppm (250 mg/m ³)	20 ppm

Engineering Controls: None required for normal use. Maintain adequate ventilation

Personal Protective Equipment:
Skin Impervious clothing and boots. Wash hands after each use. Wear CHEMICAL RESISTANT GLOVES if repeated skin contact occurs or causes irritation

Eyes Wear SAFETY GLASSES to prevent eye contact

Respiratory Use respirator when TLV is exceeded

SECTION 9
Physical and Chemical Properties

Appearance and Physical State:	White opaque viscous mixture packaged in pressurized aerosol spray can.
Odor:	Slight hydrocarbon
Odor Threshold:	Not Available.
pH:	Not Applicable.
Melting Point/Freezing Point:	Not Available.
Initial boiling point & boiling range:	Greater than 100 °F
Flash Point:	Not Available.
Evaporation rate:	Less than 1.0 (BuAc=1)
Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	Not Available
Vapor pressure	Not Available.
Vapor density	Not Available.
Relative density / Specific gravity	0.900 – 0.950 g/mL
Solubility	Miscible
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	15.25 %
CARB VOC Category/Standard (%)	EXPORT
OTC Model Rule Category/Standard (%)	EXPORT
US EPA Cons Prod Category/Standard (%)	EXPORT

SECTION 10 Stability and Reactivity

Reactivity	Product is non-reactive under normal conditions of use.
Chemical Stability:	Product is stable
Possibility of hazardous reactions:	None known.
Conditions to avoid (e.g. static discharge, shock or vibration):	Fire, sparks, open flames, temperatures above 120°F
Incompatibilities:	Strong oxidizing agents
Hazardous decomposition products:	CO, CO ₂ , Hydrocarbons
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure:	Skin or eye contact and inhalation
Symptoms:	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
Delayed and Immediate Effects:	No information available.
Chronic Effects:	No information available.
Toxicity Measures:	2-Butoxyethanol Acute oral toxicity: LD 50 Guinea pig: 1,200 mg/kg Acute inhalation toxicity: LC 50 Guinea pig: >633 ppm, 1h Acute dermal toxicity: LD 50 Guinea pig: >2,000mg/kg Petroleum Distillates Acute oral toxicity: LD 50 Rat: > 5 g/kg Acute inhalation toxicity: LC 50 Rat: > 5 mg/l, 4 h Acute dermal toxicity: LD 50 Rat: > 2,000 mg/kg
NTP Carcinogen:	No.
IARC Carcinogen:	No.
OSHA Carcinogen:	No.

SECTION 12 Ecological Information

Ecotoxicity:	No information available.
Persistence and Degradability:	No information available.
Bioaccumulation Potential:	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 1 Aerosols

Waste Disposal Method: Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to a RCRA approved incinerator or disposed in a RCRA approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

SPILL RESIDUES

Recovered liquids may be sent to an EPA permitted re-claimer or incineration facility. Contaminated material must be disposed of in a permitted waste management facility. Consult Federal, state, or local disposal authorities for approved procedures.

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 does not contain a chemical which is listed in Section 313 at or above the de minimis concentrations.

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