

PRODUCT NAME: ABRO Heavy Duty Engine Degreaser
PRODUCT NUMBER/SIZE: DG-200

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: Engine Cleaner and Degreaser
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 2 Flamm 3 React. 0 NFPA: Tox. 2 Flamm. 3 React. 0

Classification:

Extremely Flammable Aerosol Category 1
Skin Irritation Category 2
Reproductive Toxicity Category 2
Acute toxicity, Oral Category 3
Acute toxicity, Inhalation Category 3
Acute toxicity, Dermal Category 3
Aspiration hazard Category 1
Specific target organ toxicity - single exposure Category 1
Specific target organ toxicity – repeated exposure Category 2

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Extremely flammable aerosol. Pressurized container: may burst if heated. Causes skin irritation Suspected of damaging fertility or the unborn child. Toxic if swallowed. Toxic if inhaled or in contact with skin. May be fatal if swallowed and enters airways. May cause drowsiness or dizziness. Causes damage to organs. May cause damage to organs through prolonged or repeated exposure.

Precautionary Phrases:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. 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. Do not breathe fumes. Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Wear protective gloves.

Response:

IF SWALLOWED: Rinse mouth. Immediately call a doctor. Do NOT induce vomiting. Immediately call a doctor. IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. Call a doctor. IF ON SKIN (or hair): Take off immediately all contaminated clothing and wash it before reuse. Rinse skin with plenty of water. If skin irritation occurs or if you feel unwell or concerned, call a doctor. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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
**Toluene	108-88-3	30-60 %
**Methyl Alcohol	67-56-1	40-70 %
Carbon Dioxide	124-38-9	1-5 %

** 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:**

Remove victim to fresh air. Apply artificial respiration if needed.

Eyes

Immediately flush eyes with water for at least 15 minutes. Get medical attention if irritation persists.

Skin

Remove contaminated clothing and wash affected areas with soap and water. Get medical attention if irritation persists.

Ingestion

If swallowed, DO NOT induce vomiting unless directed by a physician or poison control center. Get medical attention immediately.

Inhalation

Remove victim to fresh air. Apply artificial respiration if needed. Get medical attention.

Signs & Symptoms Of Over Exposure:

May cause irritation to the mucous membranes of the respiratory tract, nausea, loss of appetite, lassitude, light-headedness, giddiness, dizziness,

and incoordination. Respiratory arrest, convulsions, semi consciousness or unconsciousness may result from extreme exposure. Eye contact may cause mild irritation. Skin contact may cause burning and itching, especially after prolonged and direct contact with the liquid. Ingestion may cause weakness and gastrointestinal tract irritation. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.

Special Treatment: None. Treat symptomatically.

SECTION 5

Fire Fighting Measures

Extinguishing media	Foam, Dry Chemical (B-C), CO ₂
Hazardous Combustion:	Unknown
Protective Equipment and Precautions for firefighters:	Keep containers cool using water spray to avoid bursting containers. Wear full firefighting turn-out gear and respiratory protection. 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: Rinse mouth. Do NOT induce vomiting. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a POISON CENTER or doctor if exposed or you feel unwell.
Methods/materials for containment and cleanup:	Absorb spill with inert material then place in a chemical waste container. Dispose of spill material in accordance with local, state or federal regulations.
Environmental precautions:	No information available.

SECTION 7

Handling and Storage

Precautions for Safe Handling	EXTREMELY FLAMMABLE. 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. Intentional misuse by deliberately concentrating and inhaling the contents of this product may be harmful or fatal. 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
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puncture container.

Conditions for Safe Storage

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. Do not store in direct sunlight. Store in a cool, dry, well-ventilated area away from incompatible materials. Store in accordance with NFPA 30B for Level 3 Aerosols.

SECTION 8 Exposure Controls/Personal Protection

COMPONENTS	CAS Number	OSHA PEL	ACGIH TLV
**Toluene	108-88-3	200 ppm (8hr)	200 ppm (8hr)
**Methyl Alcohol	67-56-1	200 ppm	200 ppm
Carbon Dioxide	124-38-9	5000 ppm (8 hr)	5000 ppm (8 hr)

Engineering Controls: Maintain adequate ventilation.

Personal Protective Equipment:

Skin Wear chemical resistant gloves if repeated skin contact occurs or causes irritation.

Eyes Wear safety glasses or goggles to prevent eye contact

Respiratory Use respirator only as a last resort to control exposure.

SECTION 9 Physical and Chemical Properties

Appearance and Physical State:	Colorless clear liquid mixture packaged in pressurized aerosol spray can.
Odor:	Solvent odor
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:	Greater 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	0.787 – 0.797 g/ml
Solubility	Insoluble in water
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	93.5 %
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):	Heat, sparks, open flames, ignition sources, temperatures above 120°F
Incompatibilities:	Strong oxidizing agents
Hazardous decomposition products:	Carbon monoxide and hydrocarbons
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure:	Skin or eye contact and inhalation
Symptoms:	May cause irritation to the mucous membranes of the respiratory tract, nausea, loss of appetite, lassitude, light-headedness, giddiness, dizziness, and incoordination. Respiratory arrest, convulsions, semi consciousness or unconsciousness may result from extreme exposure. Eye contact may cause mild irritation. Skin contact may cause burning and itching, especially after prolonged and direct contact with the liquid. Ingestion may cause weakness and gastrointestinal tract irritation. If swallowed, may be aspirated resulting in inflammation and possible fluid accumulation in the lungs.
Delayed and Immediate Effects:	No information available.
Chronic Effects:	No information available.
Toxicity Measures:	No information available.
NTP Carcinogen:	None
IARC Carcinogen:	Toluene Group 3
OSHA Carcinogen:	No.

SECTION 12 Ecological Information

Ecotoxicity:	No information available.
Persistence and Degradability:	Considered biodegradable.

Bioaccumulation Potential: No information available.

Mobility in Soil: No information available.

Other Adverse Effects: No information available.

SECTION 13

Disposal Considerations

Storage and Disposal Keep out of reach of children. Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Dispose of contents/container to an approved waste disposal plant.

Waste Disposal Method: Dispose of in accordance with 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 (no toxic subrisk for domestic shipments (MeOH))

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
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: FORBIDDEN FOR TRANSPORT BY AIR

Canada (TDG)	UN/ID Number:	UN1950
	Proper shipping name:	Aerosols
	Hazard class:	2.1
	Packing Group:	None
	Exceptions:	None
	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. TOLUENE, METHANOL

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:
WARNING: This product contains a chemical known to the state of California to cause cancer, birth defects or other reproductive harm.

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