

PRODUCT NAME: ABRO Tool Cleaner with Lubricant Wipe  
PRODUCT NUMBER/SIZE: CW-003-TL

Revision Date: 07/20/2015

**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: Tool Cleaner with Lubricant Wipe  
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**

Health	0
Flammability	0
Physical Hazard	0

**Classification:**

Not Classified

**Label Pictogram(s):**

None

**Signal Word:** None

**Hazard Phrases:** None

**Precautionary Phrases:** If medical advice is needed, have product container or label at hand. Read label before use.

**Response:** None

**Storage / Disposal:** None

**Other:** Keep out of reach of children

### SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
WATER	0007732-18-5	72% - 94%
TRIETHANOLAMINE	0000102-71-6	4% - 6%
Ethoxylated alcohols (C9 - C11)	0068439-46-3	0% - 1%

### SECTION 4 First Aid Measures

**Description of necessary first aid measures**

<b>Eye Contact</b>	If irritation occurs, cautiously rinse eyes with lukewarm, gently flowing water for 5 minutes, while holding the eyelids open. If eye irritation persists: Get medical advice/attention.
<b>Inhalation</b>	Remove source of exposure or move person to fresh air and keep comfortable for breathing. If exposed/feel unwell/concerned: Get medical attention.
<b>Skin Contact</b>	Rinse/wash with lukewarm, gently flowing water and mild soap for at least 15 minutes or until product is removed. If skin irritation occurs or you feel unwell: Get medical advice/attention.
<b>Ingestion</b>	Rinse mouth. Give two glasses of water. If you feel unwell or if concerned : Get medical advice/attention. Do NOT induce vomiting unless under the advice/direction of doctor/POISON CENTER. Note: Never give anything by mouth to an unconscious or convulsing victim. Keep person warm and quiet.

### SECTION 5 Fire Fighting Measures

<b>Suitable Extinguishing Media:</b>	Dry chemical, foam, carbon dioxide water spray or fog is recommended. Water spray is recommended to cool or protect exposed materials or structures. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces. Simultaneous use of foam and water on the same surface is to be avoided as water destroys the foam. Sand or earth may be used for small fires only.
<b>Specific Hazards in Case of Fire:</b>	None.
<b>Special Protective Actions:</b>	Wear protective pressure self-contained breathing apparatus (SCBA) and full turnout gear.
<b>Fire-Fighting Procedures:</b>	Isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done safely. Move undamaged containers from immediate hazard area if it can be done safely. Water spray may be useful in minimizing or dispersing vapors and to protect personnel. Dispose of fire debris and contaminated

extinguishing water in accordance with official regulations.

## SECTION 6 Accidental Release Measures

<b>Emergency Procedure:</b>	ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Do not touch or walk through spilled material. Isolate hazard area and keep unnecessary people away. Remove all possible sources of ignition in the surrounding area. Notify authorities if any exposure to the general public or the environment occurs or is likely to occur. Pick up with mop or wet vac. Rinse spill area with water.
<b>Recommended Equipment:</b>	Positive pressure, full-face piece self-contained breathing apparatus(SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).
<b>Personal Precautions:</b>	Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.
<b>Environmental Precautions:</b>	Stop spill/release if it can be done safely. Prevent spilled material from entering sewers, storm drains, other unauthorized drainage systems and natural waterways by using sand, earth, or other appropriate barriers.

## SECTION 7 Handling and Storage

<b>General:</b>	Wash hands after use. Do not get in eyes, on skin or on clothing. Do not breathe vapors or mists. Use good personal hygiene practices. Eating, drinking and smoking in work areas is prohibited. Remove contaminated clothing and protective equipment before entering eating areas.
<b>Ventilation Requirements:</b>	Use only with adequate ventilation to control air contaminants to their exposure limits. The use of local ventilation is recommended to control emissions near the source.
<b>Storage Room Requirements:</b>	Keep container(s) tightly closed and properly labeled. Store in cool, dry, well-ventilated areas away from heat, direct sunlight and incompatibilities. Store in approved containers and protect against physical damage. Keep containers securely sealed when not in use. Indoor storage should meet OSHA standards and appropriate fire codes. Containers that have been opened must be carefully resealed to prevent leakage. Empty container retain residue and may be dangerous. Store at temperatures between 40°F and 100°F.

## SECTION 8 Exposure Controls/Personal Protection

### Eye Protection:

Wear eye protection with side shields or goggles. Wear indirect-vent, impact and splash resistant goggles when working with liquids. If additional protection is needed for entire face, use in combination with a face shield.

### Skin Protection:

Use of gloves approved to relevant standards made from the following materials may provide suitable chemical protection: PVC, neoprene or nitrile rubber gloves. Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, glove thickness, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Use of an apron and over-boots of chemically impervious materials such as neoprene or nitrile rubber is recommended to avoid skin sensitization. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Launder soiled clothes or properly disposed of contaminated material, which cannot be decontaminated.

### Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker, a respiratory protection program that meets or is equivalent to OSHA 29 CFR 1910.134 and ANSI Z88.2 should be followed. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter.

### Appropriate Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m <sup>3</sup> )	OSHA STEL (ppm)	OSHA STEL (mg/m <sup>3</sup> )	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m <sup>3</sup> )	NIOSH STEL (ppm)	NIOSH STEL (mg/m <sup>3</sup> )	NIOSH Carcinogen
TRIETHANOLAMINE												

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m <sup>3</sup> )	ACGIH STEL (ppm)	ACGIH STEL (mg/m <sup>3</sup> )
TRIETHANOLAMINE		5		

## SECTION 9 Physical and Chemical Properties

### Physical and Chemical Properties

Density	8.39042 lb/gal
Density VOC	0.00000 lb/gal
% VOC	0.00000%
VOC Actual	0.00000 lb/gal
Appearance	N.A.
Odor Threshold	N.A.
Odor Description	Low
pH	11
Water Solubility	Soluble
Flammability	Will not burn

Flash Point Symbol	N.A.
Flash Point	N.A.
Viscosity	N.A.
Lower Explosion Level	N.A.
Upper Explosion Level	N.A.
Vapor Pressure	N.A.
Melting Point	N.A.
Vapor Density	N.A.
Freezing Point	N.A.
Low Boiling Point	N.A.
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	N.A.
Evaporation Rate	N.A.
VOC Composite Partial Pressure	N.A.

## SECTION 10 Stability and Reactivity

**Stability:**

The product is stable under normal storage conditions.

**Conditions to Avoid:**

None.

**Incompatible Materials:**

None known.

**Hazardous Reactions/Polymerization:**

Will not occur.

**Hazardous Decomposition Products:**

None known.

## SECTION 11 Toxicological Information

**Skin Corrosion/Irritation:**

No data available

**Serious Eye Damage/Irritation:**

Concentrate is an eye irritant and may cause irritation, redness, or tearing.

**Carcinogenicity:**

No data available

**Germ Cell Mutagenicity:**

No data available

**Reproductive Toxicity:**

No data available

**Respiratory/Skin Sensitization:**

No data available

**Specific Target Organ Toxicity - Single Exposure:**

No data available

**Specific Target Organ Toxicity - Repeated Exposure:**

No data available

**Aspiration Hazard:**

No data available

**Acute Toxicity:**

No data available

0000102-71-6 TRIETHANOLAMINE

LD50 (oral, rat): 5000-9110 mg/kg (2,8,17,18)

LD50 (oral, mouse): 7400 mg/kg (18)

LD50 (oral, rabbit): 2200 mg/kg (18) (reported but cannot be confirmed)

LD50 (oral, guinea pig): 8000 mg/kg (8,17); 2200 mg/kg (18) (reported, but cannot be confirmed)

## SECTION 12 Ecological Information

**Toxicity:**

No data available.

**Persistence and Degradability:**

No data available.

**Bio-Accumulative Potential:**

No data available.

**Mobility in Soil:**

No data available.

**Other Adverse Effects:**

No data available.

## SECTION 13 Disposal Considerations

**Waste Disposal:**

Under RCRA, it is the responsibility of the user of the product, to determine at the time of disposal whether the product meets RCRA criteria for hazardous waste. Waste management should be in full compliance with federal, state, and local laws.

Empty containers retain product residue which may exhibit hazards of material, therefore do not pressurize, cut, glaze, weld or use for any other purposes. Return drums to reclamation centers for proper cleaning and reuse.

## 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: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**IMO/IMDG** UN/ID Number: Not Regulated  
Proper shipping name:

Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**ICAO/IATA** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard Class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Canada (TDG)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

**Europe (ADR/RID)** UN/ID Number: Not Regulated  
Proper shipping name:  
Hazard class:  
Packing Group:  
Exceptions:  
Environmental Hazards:  
Transport in Bulk:  
Special Precautions:

## SECTION 15 Regulatory Information

CAS	Chemical Name	% By Weight	Regulation List
0000102-71-6	TRIETHANOLAMINE	4% - 6%	SARA312,TSCA,ACGIH
0007732-18-5	WATER	74% - 97%	TSCA
0068439-46-3	Ethoxylated alcohols (C9 -C11)	0.3% - 0.7%	SARA312,TSCA

## 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"

<="LESS THAN"

ND = Not Determined

BT="BETWEEN"

>="GREATER THAN"

NA = Not Applicable