

PRODUCT NAME: ABRO Industrial Hand Cleaner
PRODUCT NUMBER/SIZE: HC-001

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: Hand Cleaner

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:

None

Label Pictogram(s):

None

Signal Word: None

Hazard Phrases: None

Precautionary Phrases: None

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical advice/attention.

Storage / Disposal: None available

Other: Keep out of reach of children

SECTION 3 Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
WATER	0007732-18-5	43% - 54%
Walnut Shells	N/A	12% - 29%
CASTOR OIL	0008001-79-4	7% - 16%
MINERAL OIL, SLAB OIL	0008042-47-5	5% - 11%
Ethoxylated alcohols (C9 - C11)	0068439-46-3	2% - 5%
(C10-C16) ALCOHOL ETHOXYLATE, SULFATED, SODIUM SALT	0068585-34-2	2% - 4%

SECTION 4 First Aid Measures

Description of necessary first aid measures

Eye Contact	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.
Skin Contact	Take off immediately all contaminated clothing, shoes, and leather goods(e.g., watchbands, belts). Gently blot or brush away excess product. Wash with plenty of lukewarm, gently flowing water for a duration of 5 minutes. If you feel unwell: Call a POISONCENTER/doctor.
Ingestion	Rinse mouth. If you feel unwell/If concerned: Get medical advice/attention.

SECTION 5 Fire Fighting Measures

Suitable Extinguishing Media:	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.
Unsuitable Extinguishing Media:	None.
Fire-Fighting Procedures:	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

Environmental Precautions: 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

General: 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.

Storage Room Requirements: 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.

Chemical Name	OSHA TWA (ppm)	OSHA TWA (mg/m3)	OSHA STEL (ppm)	OSHA STEL (mg/m3)	OSHA-Tables-Z1,2,3	OSHA Carcinogen	OSHA Skin designation	NIOSH TWA (ppm)	NIOSH TWA (mg/m3)	NIOSH STEL (ppm)	NIOSH STEL (mg/m3)	NIOSH Carcinogen
No applicable chemical												
Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)								
No applicable chemical	10(IFV)											

SECTION 9 Physical and Chemical Properties

Physical and Chemical Properties

Density 8.36022 lb/gal
Density VOC 0.07942 lb/gal

% VOC	0.95000%
VOC Actual	0.07942 lb/gal
VOC Regulatory	0.07942 g/l
Appearance	Brown Thick Liquid
Odor Threshold	N.A.
Odor Description	Lemon/Lime
pH	6.5
Water Solubility	N.A.
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:

Keep from freezing

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

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
0007732-18-5	WATER	43% - 54%	
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0068585-34-2	(C10-C16) ALCOHOL ETHOXYLATE, SULFATED, SODIUM SALT	2% - 4%	

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