PRODUCT NAME: ABRO Paint and Graffiti Remover Wipe
PRODUCT NUMBER/SIZE: CW-001-PR **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: Paint and Graffiti Remover 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	1
Flammability	1
Physical Hazard	0

Classification:
Skin Irritation - Category 2

Label Pictogram(s):

Signal Word: WARNING

Hazard Phrases: Causes skin irritation

Precautionary Phrases: If medical advice is needed, have product container or label at hand. Read label before use. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

Response: IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Take off contaminated clothing. And wash it before reuse.

Storage / Disposal: None available

Other: Keep out of reach of children

SECTION 3
Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
DIETHYLENE GLYCOL MONOBUTYL ETHER	0000112-34-5	7% - 18%
ETHYLENE GLYCOL MONOBUTYL ETHER	0000111-76-2	6% - 14%
ISOPROPYL ALCOHOL	0000067-63-0	3% - 7%

SECTION 4
First Aid Measures

Description of necessary first aid measures

Eye Contact Remove source of exposure or move person to fresh air. Rinse eyes cautiously with lukewarm, gently flowing water for several minutes, while holding the eyelids open. Remove contact lenses, if present and easy to do. Continue rinsing for a duration of 15-20 minutes. Take care not to rinse contaminated water into the unaffected eye or onto the face. If eye irritation persists: Get medical advice/attention.

Inhalation Remove source of exposure or move person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER/doctor. If breathing has stopped, trained personnel should begin rescue breathing or, if the heart has stopped, immediately start cardiopulmonary resuscitation (CPR) or automated external defibrillation(AED).

Skin Contact Take off immediately contaminated clothing. Rinse skin with water/shower for 5 minutes or until product is removed. Store contaminated clothing under water and wash before re-use or discard.

Ingestion Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor. If vomiting occurs naturally, lie on your side, in the recovery position.

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.

Specific Hazards in Case of Fire: None.

Special Protective Actions:	Wear protective pressure self-contained breathing apparatus (SCBA)and full turnout gear.
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

Emergency Procedure:	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. Dike area to prevent spreading of spilled material. Cover with an inert absorbent, shovel into appropriate containers and dispose of in accordance with federal, state and local regulations.
Recommended Equipment:	Positive pressure, full-face piece self-contained breathing apparatus(SCBA), or positive pressure supplied air respirator with escape SCBA (NIOSH approved).
Personal Precautions:	Avoid breathing vapor. Avoid contact with skin, eye or clothing. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.
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.
Ventilation Requirements:	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.
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. Do not cut, drill, grind, weld, or perform similar operations on or near containers. Do not pressurize containers to empty them. Ground all structures, transfer containers and equipment to conform to the national electrical code. Use procedures that prevent static electrical sparks. Static electricity may accumulate and create a fire hazard.

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/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
DIETHYLENE GLYCOL MONOBUTYL ETHER												
ETHYLENE GLYCOL MONOBUTYL ETHER	50	240			1		1	5	24			
ISOPROPYL ALCOHOL	400	980			1			400	980	500	1225	

Chemical Name	ACGIH TWA (ppm)	ACGIH TWA (mg/m3)	ACGIH STEL (ppm)	ACGIH STEL (mg/m3)
DIETHYLENE GLYCOL MONOBUTYL ETHER	10(IFV)			
ETHYLENE GLYCOL MONOBUTYL ETHER	20	97		

ISOPROPYL ALCOHOL	200		400	

SECTION 9
Physical and Chemical Properties

Physical and Chemical Properties

Density	11.27601 lb/gal
% Solids By Weight	0.00000%
Density VOC	3.26992 lb/gal
% VOC	28.99891%
VOC Actual	3.26992 lb/gal
VOC Actual	391.83436 g/l
Appearance	Clear Liquid
Odor Threshold	N.A.
Odor Description	Citrus Scent
pH	N.A.
Water Solubility	Nil
Flammability	Flash Point at or above 200 °F
Flash Point Symbol	>
Flash Point	215 °F
Viscosity	N.A.
Lower Explosion Level	1.2
Upper Explosion Level	7.9
Vapor Pressure	9 ± 1 mmhg @ 68 °F
Melting Point	N.A.
Vapor Density	N.A.
Freezing Point	N.A.
Low Boiling Point	220 °F
High Boiling Point	N.A.
Decomposition Pt	N.A.
Auto Ignition Temp	830 °F
Evaporation Rate	0.1 ± 0.1
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:
Causes skin irritation
Serious Eye Damage/Irritation:
No data available
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

0000067-63-0 ISOPROPYL ALCOHOL
LC50 (rat): 17000 ppm (4-hour exposure); cited as 12000 ppm (8-hour exposure) (18)
LD50 (oral, male rat): 4710 mg/kg (cited as 6.0 mL/kg) (19)
LD50 (oral, mouse): 3600 mg/kg (20, unconfirmed)
LD50 (dermal, rabbit): 12870 mg/kg (cited as 16.4 mL/kg) (14)

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER
LC50 (female rat): 450 ppm (4-hour exposure) (2)
LC50 (male rat): 486 ppm (4-hour exposure) (2)
LD50 (oral, male weanling rat): 3000 mg/kg (1)
LD50 (oral, 6-week old male rat): 2400 mg/kg (1)
LD50 (oral, yearling male rat): 560 mg/kg (1)
LD50 (oral, female rat): 530 mg/kg; 2500 mg/kg (1)LD50 (oral, male mouse): 1230 mg/kg (1)
LD50 (oral, rabbit): 320 mg/kg (1)
LD50 (dermal, male rabbit): 406 mg/kg (cited as 0.45 mL/kg) (1)

Potential Health Effects - Miscellaneous
0000067-63-0 ISOPROPYL ALCOHOL
The following medical conditions may be aggravated by exposure: dermatitis, respiratory disease. Developmental toxicity was seen in rats offspring at doses that were maternally toxic. Contact will cause moderate to severe redness and swelling, itching, tingling sensation, painful burning. May cause injury to the cornea of the eyes. Prolonged or repeated exposure may cause damage to any of the following organs/systems: liver. Ingestion studies on laboratory animals showed that very high oral doses caused increased liver and kidney weights.

0000111-76-2 ETHYLENE GLYCOL MONOBUTYL ETHER
Can be absorbed through the skin in harmful amounts. May cause injury to the kidneys, liver, blood and/or bone marrow. Repeated overexposure may result in damage to the blood. Eye contact may cause corneal injury. Has been toxic to the fetus in laboratory animals at doses that are toxic to the mother.

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
0000067-63-0	ISOPROPYL ALCOHOL	3% - 7%	SARA312,SARA313,VOC,TSCA,ACGIH,OSHA
0000111-76-2	ETHYLENE GLYCOL MONOBUTYL ETHER	6% - 14%	CERCLA,SARA312,SARA313,VOC,TSCA,ACGIH,OSHA
0000112-34-5	DIETHYLENE GLYCOL MONOBUTYL ETHER	7% - 18%	CERCLA,HAPS,SARA312,SARA313,VHAPS,VOC,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.

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ABBREVIATIONS:

NG="NOT GIVEN"	BT="BETWEEN"
<="LESS THAN"	>="GREATER THAN"
ND = Not Determined	NA = Not Applicable