

PRODUCT NAME: ABRO 1-Step Wax-N-Dry
PRODUCT NUMBER/SIZE: WD-473

Revision Date: 12/29/2014

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: Car Wax

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:

Flammable Liquid - Category 4 (Combustible)
Acute Toxicity: Oral, Category 4
Skin Corrosion/Irritation, Category 2
Serious Eye Damage/Eye Irritation, Category Causes eye irritation 2B

Label Pictogram(s):



Signal Word: **WARNING**

Hazard Phrases: Combustible liquid. Harmful if swallowed. Causes skin and eye irritation.

Precautionary Phrases: Wear protective gloves/protective clothing/eye protection/face protection. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Wash hands thoroughly after handling. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash it before reuse.

Response: In case of fire, use approved materials to extinguish. IF SWALLOWED: Rinse mouth, Call a POISON CENTER or doctor if you feel unwell or if skin or eye irritation occurs or persists. IF ON SKIN: Wash with plenty of soap and water. Specific treatment included in this SDS. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage / Disposal: Store in cool/well-ventilated place. Dispose of container to approved locations in compliance with all applicable regulations.

Other: Keep out of reach of children. Read label before use.
If medical advice is needed, have product container or label at hand.

SECTION 3
Composition/Information on Ingredients

COMPONENTS	CAS Number	Percent by weight
Water	7732-18-5	< 95%
Isopropanol	67-63-0	< 2.8%
Quaternary ammonium compounds, dicoco alkyldimethyl, chloride	61789-77-3	< 1.5 %
Proprietary Wax Emulsion	NA	0.8 %
Proprietary Fragrance	NA	0.1 %
Magnesium nitrate	10377-60-3	< 0.001 %
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	< 0.001 %
Chloromethane	74-87-3	< 0.001 %
2-Methyl-4-isothiazolin-3-one	2682-20-4	< 0.001 %

SECTION 4
First Aid Measures

First Aid Measures

Immediate Medical Attention:

May cause eye, skin, and respiratory tract irritation.

Inhalation

Causes irritation of mucous membranes at exposure of 400 ppm for 3-5 minutes.

Skin Contact

Can cause irritation on prolonged contact. Repeated contact can cause defatting, cracking, and dermatitis.

Eye Contact

Liquid may cause eye irritation due to isopropyl alcohol and quaternary ammonium compounds. High concentrations of isopropyl alcohol vapors can also cause eye irritation.

Ingestion

May cause irritation to mouth, throat and stomach. May cause abdominal discomfort.

Medical Conditions Generally Aggravated By Exposure

Persons with pre-existing skin disorders may be more susceptible to irritating effects.

OSHA Regulatory Status:

This material is classified as not hazardous under OSHA regulations.

Eyes

Immediately flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Get medical attention if irritation persists or worsens.

Skin	Immediately wash exposed area with soap and water for at least 15 minutes, and then flush with water for at least 5 minutes. Get medical attention if irritation persists or worsens.
Ingestion	Immediately drink two large glasses of water. Call a physician.
Inhalation	Remove individual from site of exposure to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.
Signs & Symptoms Of Over Exposure:	No data available.
Special Treatment:	Treat symptomatically.

SECTION 5 Fire Fighting Measures

Extinguishing media	Dry chemical, water fog, alcohol foam. Do not use direct water stream.
Hazardous Combustion:	Carbon monoxide, nitrogen oxides, organic amines, hydrogen chloride, methyl chloride, and various unknown organic compounds.
Protective Equipment and Precautions for firefighters:	As In any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	Eye protection and gloves are recommended to avoid irritation to the eyes and skin. Ensure no sources of heat or ignition is present in the area while cleaning a spill.
Methods/materials for containment and cleanup:	Extinguish any nearby sources of ignition. Control spill with absorbent material. If necessary, apply granular or loose absorbent to spill. When absorbed, sweep or otherwise collect and dispose of properly.
Environmental precautions:	Outside of normal use, avoid release to the environment.

SECTION 7 Handling and Storage

Precautions for Safe Handling	Use only as directed. KEEP OUT OF REACH OF CHILDREN AND PETS.
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Conditions for Safe Storage

Keep in a dry, cool and well-ventilated place away from sources of ignition. Protect from heat and direct sunlight. Keep container closed when not in use.

**SECTION 8
Exposure Controls/Personal Protection**

COMPONENTS	CAS Number	OSHA PEL	ACGIH TWA	Other Limits
Water	7732-18-5	No data	No data	No data
Isopropanol	67-63-0	400 ppm	TLV 200 ppm	STEL 400 ppm
Quaternary ammonium compounds, dicoco alkyldimethyl, chloride	61789-77-3	No data	No data	No data
Proprietary Wax Emulsion	NA	No data	No data	No data
Proprietary Fragrance	NA	No data	No data	No data
Magnesium nitrate	10377-60-3	No data	No data	No data
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No data	No data	No data
Chloromethane	74-87-3	No data	TLV 50 ppm	STEL 100 ppm
2-Methyl-4-isothiazolin-3-one	2682-20-4	No data	No data	No data

Engineering Controls:

Use only with adequate ventilation. The engineering controls also need to keep gas or vapor concentrations below any lower explosive limits. Local or general exhaust required when using at elevated temperatures that generate vapors or mists.

Personal Protective Equipment:

Skin Neoprene, nitrile, polyvinyl alcohol (PVA), polyvinyl chloride and polyurethane gloves to prevent skin contact. No special protective clothing is normally required. Select protective clothing depending on industrial operations.

Eyes No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields.

Respiratory No personal respiratory protective equipment normally required. Use approved organic vapor chemical cartridge or supplied air respirators when material produces vapors that exceed permissible limits or excessive vapors are generated. Observe respirator assigned protection factors (APFs) criteria cited in federal OSHA 1910.134.

Work/Hygienic/Maintenance Practices

Wash hands, forearms, and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing.

SECTION 9 Physical and Chemical Properties

Appearance and Physical State:	Opaque White Liquid
Odor:	Slight Coconut
Odor Threshold:	Not Available.
pH:	4.50 - 4.75
Melting Point/Freezing Point:	Not Available.
Initial boiling point & boiling range:	Not Available.
Flash Point:	> 141.00 F (60.6 C) Pensky-Marten Closed Cup
Evaporation rate:	Not Available.
Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	Not Available.
Vapor pressure	Not Available.
Vapor density	Not Available.
Relative density	8.15 - 8.45 LBS/GAL at 70.0 F (21.1 C)
Specific gravity	0.98 - 1.01 at 70.0 F (21.1 C)
Solubility	Soluble
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Water thin
%-VOC Content:	Not Available.
CARB VOC Category/Standard (%)	Not Available.
OTC Model Rule Category/Standard (%)	Not Available.
US EPA Cons Prod Category/Standard (%)	Not Available.
Weight per gallon	Not Available.
Solids in weight %	Not Available.

SECTION 10 Stability and Reactivity

Reactivity	Hazardous reactions will not occur.
Chemical Stability:	Product is stable
Possibility of hazardous reactions:	Polymerization will not occur
Conditions to avoid (e.g. static discharge, shock or vibration):	Excessive heat, sources of ignition and open flames.
Incompatibilities:	Strong oxidizers such as nitrates, perchlorates, chlorine, fluorine.
Hazardous decomposition products:	When heated, this product may form carbon monoxide, nitrogen oxides, organic amines, hydrogen chloride, methyl chloride, and various unknown organic compounds.
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure: Skin contact, inhalation.

Symptoms: No data available

Delayed and Immediate Effects: No data available.

Chronic Effects: No data available.

Toxicological Information:

CAS# 67-63-0:

Acute toxicity, LD50, Oral, Rat, 5045. MG/KG. Results: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity). - Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 43(1),8, 1978

Acute toxicity, LD50, Oral, Mouse, 3600. MG/KG. Results: Behavioral: Altered sleep time (including change in righting reflex). Behavioral: Somnolence (general depressed activity). - Gigiena i Sanitariya, Mezhdunarodnaya Kniga, ul. B. Yakimanka, 39, 113095, Moscow 113095 Russia, Vol/p/yr: 43(1),8, 1978

CAS# 26172-55-4: Mutagenicity:, Mutation test: Mutation in microorganisms., 200.0 NG/PLAT, Bacteria – Salmonella typhimurium., Results: Behavioral: Analgesia. Lungs, Thorax, or Respiration:Dyspnea. Kidney, Ureter, Bladder:Hematuria. - Mutation Research, Elsevier Science Pub. B.V., POB 211, 1000 AE, Amsterdam Netherlands, Vol/p/yr: 118,129, 1983

Irritation or Corrosion

This material may be irritating to skin and eyes.

Carcinogen Information

No component of this product is known to be a carcinogen.

Carcinogenicity: NTP? No IARC Monographs? No OSHA Regulated? No

COMPONENTS	CAS Number	NTP	IARC	ACGIH	OSHA
Water	7732-18-5	n.a.	n.a.	n.a.	n.a.
Isopropanol	67-63-0	n.a.	3	A4	
Quaternary ammonium compounds, dicoco alkyl dimethyl, chloride	61789-77-3	n.a.	n.a.	n.a.	n.a.
Proprietary Wax Emulsion	NA	n.a.	n.a.	n.a.	n.a.
Proprietary Fragrance	NA	n.a.	n.a.	n.a.	n.a.
Magnesium nitrate	10377-60-3	n.a.	n.a.	n.a.	n.a.
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	n.a.	n.a.	n.a.	n.a.
Chloromethane	74-87-3	n.a.	3	A4	n.a.
2-Methyl-4-isothiazolin-3-one	2682-20-4	n.a.	n.a.	n.a.	n.a.

SECTION 12 Ecological Information

CAS# 67-63-0: LC50, Water Flea (*Daphnia magna*), 10000. MG/L, 24 H, Intoxication,, Water temperature: 20.00 C (68.0 F) - 22.00 C (71.6 F) C, pH: 7.70, Hardness: 16.00 dH. Results: Age Effects. - Results of the Damaging Effect of Water Pollutants on *Daphnia magna* (Befunde der Schadwirkung Wassergefahrdender Stoffe Gegen *Daphnia magna*), Bringmann, G., and R. Kuhn, 1977

CAS# 10377-60-3: LC50, Nematode (*Caenorhabditis elegans*), 250.0 - 170.0 MMOL/L, 24 H, Mortality, Water temperature: 20.00 C (68.0 F) C; Use of Ion Characteristics to Predict Relative Toxicity of Mono-, Di- and Trivalent Metal Ions: *Caenorhabditis elegans*, Tataru, C.P., M.C. Newman, J.T. McCloskey, and P.L. Williams, 1998

CAS# 26172-55-4: Effective concentration to 50% of test organisms., Water Flea (*Daphnia magna*), 1.300 PPM, 48 H, Intoxication,; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000

CAS# 2682-20-4: Effective concentration to 50% of test organisms., Water Flea (*Daphnia magna*), 0.180 PPM, 48 H, Intoxication,; Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)), Office of Pesticide Programs, 2000

Persistence and Degradability: No data available.

Bioaccumulation Potential: No data available.

Mobility in Soil: Product will permeate soil.

Other Adverse Effects: No data available. Results of PBT and vPvB assessment not available.

SECTION 13 Disposal Considerations

Storage and Disposal Store in cool/well-ventilated place.

Waste Disposal Method: Observe all applicable federal, state/provincial, and local/municipal regulations regarding disposal. Consumer may discard empty container in trash, or recycle where facilities exist.

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 as a dangerous good
Proper shipping name: NA

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

IMO/IMDG UN/ID Number: Not regulated as a dangerous good
 Proper shipping name: NA
 Hazard class: NA
 Packing Group: NA
 Exceptions: NA
 Environmental Hazards: NA
 Transport in Bulk: NA
 Ems Codes: NA

ICAO/IATA UN/ID Number: Not regulated as a dangerous good
 Proper shipping name: NA
 Hazard Class: NA
 Packing Group: NA
 Exceptions: NA
 Environmental Hazards: NA
 Transport in Bulk: NA
 Special Precautions: NA

Canada (TDG) UN/ID Number: Not regulated as a dangerous good
 Proper shipping name: NA
 Hazard class: NA
 Packing Group: NA
 Exceptions: NA
 Environmental Hazards: NA
 Transport in Bulk: NA
 Special Precautions: NA

Europe (ADR/RID) UN/ID Number: Not regulated as a dangerous good
 Proper shipping name: NA
 Hazard class: NA
 Packing Group: NA
 Exceptions: NA
 Environmental Hazards: NA
 Transport in Bulk: NA
 Special Precautions: NA

SECTION 15
Regulatory Information

US EPA SARA Title III

COMPONENTS	CAS Number	Sec 302 (EHS)	Sec 304 (RQ)	Sec 313 (TRI)	Sec 110
Water	7732-18-5	No	No	No	No
Isopropanol	67-63-0	No	No	Yes	
Quaternary ammonium compounds, dicoco alkyldimethyl, chloride	61789-77-3	No	No	No	No

Proprietary Wax Emulsion	NA	No	No	No	No
Proprietary Fragrance	NA	No	No	No	No
Magnesium nitrate	10377-60-3	No	No	No	No
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No	No	No	No
Chloromethane	74-87-3	No	Yes 100 lb	Yes	Yes
2-Methyl-4-isothiazolin-3-one	2682-20-4	No	No	No	No

US EPA CAA, CWA, TSCA

COMPONENTS	CAS Number	EPA CAA	EPA CWA NPDES	EPA TSCA	CA PROP 65
Water	7732-18-5	No	No	Inventory	No
Isopropanol	67-63-0	No	No	Inventory 4 Test	No
Quaternary ammonium compounds, dicoco alkyldimethyl, chloride	61789-77-3	No	No	Inventory	No
Proprietary Wax Emulsion	NA	No	No	No	No
Proprietary Fragrance	NA	No	No	No	No
Magnesium nitrate	10377-60-3	No	No	Inventory	No
5-Chloro-2-methyl-4-isothiazolin-3-one	26172-55-4	No	No	Inventory 5A(2)	No
Chloromethane	74-87-3	HAP	Yes	Inventory 4 Test	Yes
2-Methyl-4-isothiazolin-3-one	2682-20-4	No	No	Inventory 5A(2)	No

SARA (Superfund Amendments and Reauthorization Act of 1986) Lists:

Sec.302: .EPA SARA Title III Section 302 Extremely Hazardous Chemical with TPQ. * indicates 10000 LB TPQ if not volatile.

Sec.304: EPA SARA Title III Section 304: CERCLA Reportable + Sec.302 with Reportable Quantity. ** indicates statutory RQ.

Sec.313: EPA SARA Title III Section 313 Toxic Release Inventory. Note: -Cat indicates a member of a chemical category.

Sec.110: EPA SARA 110 Superfund Site Priority Contaminant List

TSCA (Toxic Substances Control Act) Lists:

Inventory: Chemical Listed in the TSCA Inventory.

5A(2): Chemical Subject to Significant New Rules (SNURS)

6A: Commercial Chemical Control Rules

8A: Toxic Substances Subject To Information Rules on Production

8A CAIR: Comprehensive Assessment Information Rules - (CAIR)

8A PAIR: Preliminary Assessment Information Rules - (PAIR)

8C: Records of Allegations of Significant Adverse Reactions

8D: Health and Safety Data Reporting Rules

8D TERM: Health and Safety Data Reporting Rule Terminations

12(b): Notice of Export

Other Important Lists:

CWA NPDES: EPA Clean Water Act NPDES Permit Chemical

CAA HAP: EPA Clean Air Act Hazardous Air Pollutant

CAA ODC: EPA Clean Air Act Ozone Depleting Chemical (1=CFC, 2=HCFC)

CA PROP 65: California Proposition 65

International Regulatory Lists:

EPA Hazard Categories: This material meets the EPA 'Hazard Categories' defined for SARA Title III Sections 311/312 as indicated:

Yes No Acute (immediate) Health Hazard

Yes No Chronic (delayed) Health Hazard

Yes No Fire Hazard

Yes No Sudden Release of Pressure Hazard

Yes No Reactive Hazard

SECTION 16
Other Information

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