PRODUCT NAME: **ABRO Car Polish Red**
PRODUCT NUMBER/SIZE: **AB301-RED / 16 oz.** **Rev Date: 1/22/2019**

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 Polish**
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:
This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

SKIN CORROSION/IRRITATION - Category 2
SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A

Label Pictogram(s):

Signal Word:	**WARNING**
Hazard Phrases:	Causes serious eye irritation. Causes skin irritation.
Precautionary Phrases:	Wear protective gloves. Wear eye or face protection. Wash hands thoroughly after handling.
Response:	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.
Storage / Disposal:	Not applicable.
Other:	Keep out of reach of children.

SECTION 3
Composition/Information on Ingredients

Substance/mixture: Mixture

Ingredient name	%	CAS number
Distillates (petroleum), hydrotreated light	30 - 60	64742-47-8
Solvent naphtha (petroleum) heavy aliph.	10 - 30	64742-96-7
Morpholine	1 - 5	110-91-8

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

SECTION 4
First Aid Measures

EYE CONTACT: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

SKIN CONTACT: Flush contaminated skin with plenty of water. Continue to rinse for at least 20 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

INHALATION: Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.

INGESTION: Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Most important symptoms and effects, both acute and delayed

Potential acute health effects
Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation.

Ingestion : No known significant effects or critical hazards.

Over-exposure signs/symptoms
Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation No known significant effects or critical hazards.

Skin contact
Adverse symptoms may include the following:
irritation
redness

Ingestion
No known significant effects or critical hazards.

Indication of any immediate medical attention and special treatment needed

Notes to physician : In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
Specific treatments : No specific treatment.
Protection of first-aiders : No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation.

See toxicological information (Section 11)

SECTION 5
Fire Fighting Measures

Suitable Extinguishing Media: Use an extinguishing agent suitable for the surrounding fire.

Unsuitable extinguishing media: None known.

Specific Hazards Arising from the Chemical: No specific fire or explosion hazard.

Explosion Data

Sensitivity to Mechanical Impact	No.
Sensitivity to Static Discharge	No.

Hazardous thermal decomposition products
Decomposition products may include the following materials:
carbon dioxide
carbon monoxide
nitrogen oxides
metal oxide/oxides

Special protective actions for fire-fighters: No special measures are required.

Special protective equipment for fire-fighters: Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

SECTION 6
Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
For non-emergency personnel:
No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

For emergency responders : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel".

Methods and materials for containment and cleaning up
Spill: Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

SECTION 7
Handling and Storage

Precautions for safe handling

Protective measures: Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Advice on general occupational hygiene: Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. See also Section 8 for additional information on hygiene measures.

Conditions for safe storage, including any incompatibilities: Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

SECTION 8
Exposure Controls/Personal Protection

Control parameters
Occupational exposure limits

Ingredient name	Exposure limits
Distillates (petroleum), hydrotreated light	**OSHA PEL (United States).** TWA: 213 ppm TWA: 1200 mg/m³ **ACGIH TLV (United States, 3/2015). Absorbed through skin.** TWA: 200 mg/m³, (as total hydrocarbon vapor) 8 hours. **ACGIH TLV (United States).** TWA: 10 mg/m³ 8 hours.
Solvent naphtha(petroleum) heavy aliph.	**ACGIH TLV (United States, 3/2015). Absorbed through skin.** TWA: 71 mg/m³ 8 hours. TWA: 20 ppm 8 hours. **NIOSH REL (United States, 10/2013). Absorbed through skin.** STEL: 105 mg/m³ 15 minutes. STEL: 30 ppm 15 minutes. TWA: 70 mg/m³ 10 hours. TWA: 20 ppm 10 hours. **OSHA PEL (United States, 2/2013). Absorbed through skin.** TWA: 70 mg/m³ 8 hours. TWA: 20 ppm 8 hours. **OSHA PEL 1989 (United States, 3/1989). Absorbed through skin.** TWA: 20 ppm 8 hours. TWA: 70 mg/m³ 8 hours. STEL: 30 ppm 15 minutes. STEL: 105 mg/m³ 15 minutes.
Morpholine	

Appropriate engineering controls: Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

Environmental exposure controls: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Individual protection measures
Hygiene measures: 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. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection
Hand protection: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Other skin protection: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection: Use a properly fitted, air-purifying or supplied air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

SECTION 9
Physical and Chemical Properties

Appearance

Physical state	Liquid
Color	Varies
Odor	Slight Solvent
Odor threshold	NA
pH	7 to 9 [Conc. (% w/w): 100%]
Melting point	NA
Boiling point	100°C (212°F)
Flash point	Closed cup: >93.333°C (>200°F)
Evaporation rate	NA
Flammability (solid, gas)	NA
Lower and upper explosive (flammable) limits	NA
Vapor pressure	NA
Vapor density	NA
Relative density	NA
Solubility	Slight
Partition coefficient: n-octanol/water	NA
Auto-ignition temperature	NA
Decomposition temperature	NA
Viscosity	NA
Volatility	NA

SECTION 10
Stability and Reactivity

Reactivity
No specific test data related to reactivity available for this product or its ingredients.

Chemical stability
The product is stable.

Possibility of Hazardous Reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid
No specific data.

Incompatible materials
Reactive or incompatible with the following materials: oxidizing materials.

Hazardous Decomposition Products
Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11
Toxicological Information

Informationontoxicologicaleffects

Acutetoxicity

Product/ingredient	Result	Species	Dose	Exposure
Morpholine	LD50 Oral	Rat	1738 mg/kg	-

Irritation/Corrosion

Product/ingredient	Result	Species	Score	Exposure	Observation
Morpholine	Eyes - Severe irritant Skin - Moderate irritant	Rabbit Rabbit	- -	2 mg 500 mg	- -

Sensitization
There is no data available.

Carcinogenicity
Classification

Product/ingredient	OSHA	IARC	NTP	ACGIH	EPA	NIOSH
Distillates (petroleum), hydrotreated light	-	-	-	A3	-	-
Morpholine	-	3	-	A4	-	None.

Specific target organ toxicity (single exposure)
There is no data available.

Specific target organ toxicity (repeated exposure)
There is no data available.

Aspiration hazard

Name	Result
Distillates (petroleum), hydrotreated light	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum) heavy aliph.	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure: Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects
Eye contact : Causes serious eye irritation.
Inhalation : No known significant effects or critical hazards.
Skin contact : Causes skin irritation.
Ingestion : No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics
Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness
Inhalation No known significant effects or critical hazards.
Skin contact Adverse symptoms may include the following:
irritation
redness
Ingestion No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure
Short term exposure
Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Long term exposure
Potential immediate effects: No known significant effects or critical hazards.
Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects
General : No known significant effects or critical hazards.
Carcinogenicity : No known significant effects or critical hazards.
Mutagenicity : No known significant effects or critical hazards.
Teratogenicity : No known significant effects or critical hazards.
Developmental effects : No known significant effects or critical hazards.
Fertility effects : No known significant effects or critical hazards.

Numerical measures of toxicity
Acute toxicity estimates

Route	ATE value
Oral Dermal Inhalation (vapors)	205726.2 mg/kg 130206.5 mg/kg 1302.1 mg/L

SECTION 12
Ecological Information

Toxicity

Product/ingredient name	Result	Species	Exposure
Distillates (petroleum), hydrotreated light	Acute LC50 2200 µg/L Fresh water	Fish - Lepomis macrochirus	4 days
Morpholine	Acute EC50 28 mg/L Fresh water Acute LC50 180 mg/L Fresh water	Algae - Pseudokirchneriella subcapitata Fish - Oncorhynchus mykiss	96 hours 96 hours

Persistence and degradability
There is no data available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Morpholine	-2.55	<2.8	low

Mobility in soil
Soil/water partition coefficient (K_{OC}): Not available.

Other adverse effects : No known significant effects or critical hazards.

SECTION 13
Disposal Considerations

Disposal methods: The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling empty containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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:

Special precautions for user:
Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not Available

SECTION 15
Regulatory Information

U.S. Federal regulations:
TSCA 8(a) PAIR: Siloxanes and Silicones, di-Me
TSCA 8(a) CDR Exempt/Partial exemption: Not determined
United States inventory (TSCA 8b): All components are listed or exempted.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Not listed

Clean Air Act Section 602 Class I Substances: Not listed

Clean Air Act Section 602 Class II Substances: Not listed

DEA List I Chemicals (Precursor Chemicals): Not listed

SARA 302/304
Composition/information on ingredients
No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312
Classification : Immediate (acute) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
Distillates (petroleum), hydrotreated light Solvent naphtha (petroleum) heavy aliph. Morpholine	30 - 60 10 - 30 1 - 5	Yes. Yes. Yes.	No. No. No.	No. No. No.	No. No. Yes.	No. No. No.

SARA 313
No products were found.
State regulations
Massachusetts The following components are listed: Morpholine
New York None of the components are listed.
New Jersey The following components are listed: Morpholine
Pennsylvania The following components are listed: Oleic acid; Morpholine

California Prop. 65
No products were found.

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

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL 73/78 = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
UN = United Nations