

PRODUCT NAME: ABRO Headlight Restoration Kit
PRODUCT NUMBER/SIZE: HR-50

Revision Date: 12/08/2020

SECTION 1 Identification of the Substance and of the Company/Undertaking

MANUFACTURER'S NAME: ABRO INDUSTRIES, INC.
ADDRESS: 3580 Blackthorn Drive
South Bend, IN 46628 USA
PRODUCT DESCRIPTION: Headlight Restoration Kit
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
Corrosion/Skin Irritation: Category 2
Toxicity to Reproduction: Category 2
Toxicity for specific target organs – Single Exposure: Category 3
Toxicity for specific target organs – Continuous Exposure: Category 2
Aspiration hazard: Category 1
Hazard to Aquatic Environment: Chronic – Category 1

Label Pictogram(s):



Warning Words: DANGER!

Hazard Phrases: Fuel liquid. Causes severe skin irritation. It may be hazardous to fertility or a fetus. It may make you drowsy or dizzy. It may cause damage to the central nervous system by continuous or long exposure and by respiratory tract. It may be fatal if swallowed and enters into the respiratory tract. It is toxic for aquatic organs with long period effect.

Precaution Phrases:

General: Read the label before handling the product.

Prevention: Have the specific instructions before handling the product. Do not handle the product before reading and understand all safety precautions. Keep away from hot, sparks, open flames and hot surfaces. Do not smoke. Wash your hands carefully after handling the product. Avoid inhaling the dust, smoke, gases, mists, steam or aerosol. Use the product only indoors or in a well-ventilated area. Avoid

releasing the product in the environment. Wear protective gloves, protective clothes, safety glasses and face protection.

Response: IN CASE OF INHALATION: Move the person to the ventilated area and keep it at rest on a position that does not hinder the breath. In case of discomfort, look for a toxicological information center or physician. IN CASE OF SKIN CONTACT: Wash with plenty of water and soap. You must consult a physician. Take off the contaminated clothes and wash them before wearing again. In Case of Eye Contact: Wash them carefully with water for several minutes. In cases of contact lenses, remove them and keep washing the eyes. Contact a Poison Center or doctor/physician immediately.

Storage: Store the product in a well-ventilated area. Keep the product tightly closed. Store the product in a well closed area. Collect any spilled material.

Disposal: Dispose of contents/container in accordance with local, regional, national and international regulation.

Other Information: Not available

SECTION 3 Composition/Information on Ingredients

Chemical Product: This product is a mixture.

COMPONENTS	CAS Number	Concentration (%)
Amyl Acetate	628-63-7	Industrial Secret
Ethyl Alcohol	64-17-5	Industrial Secret
Castor Oil	8001-79-4	Industrial Secret
Tutti Frutti Essence	Industrial Secret	Industrial Secret

SECTION 4 First Aid Measures

EYE CONTACT: Wash abundantly the contacted area with running water for at least 15 minutes. If the irritation persists, get medical attention.

SKIN CONTACT: Wash affected area thoroughly with soap and water.

INHALATION: Does not cause health problem if inhaled

INGESTION: Do not induce vomiting. Drink lots of water and seek medical attention.

SYMPTOMS OR EFFECTS: The main risks are linked to ingestion. It may cause nausea and vomiting if swallowed.

RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE OR SPECIAL TREATMENT:
Symptomatic treatment.

SECTION 5 Fire Fighting Measures

RECOMMENDED EXTINGUISHING MEDIA: Use chemical powder and CO2 extinguisher. Do not throw water directly over the product on fire as it may spread and increase the fire intensity.

UNUSUAL OR SPECIFIC FIRE AND EXPLOSION HAZARDS: The fire may cause annoying toxic gases besides Carbon Monoxide and Carbon Dioxide.

FIREFIGHTING INSTRUCTIONS AND PROTECTIVE EQUIPMENT: Wear self-contained breathing and proper fire-fighting clothes. Do not enter in a confined area without any proper protective equipment (PPE); This should include protective masks against hazardous effects of combustion products or lack of oxygen. Isolate the hazardous area and prohibit the entrance of people. In case of fire, use water spray in order to cool the container exposed to the fire. Keep a safe distance from flames to avoid the burns by radiation. Use extinguishing process to preserve the environment.

SECTION 6 Accidental Release Measures

PERSONAL PRECAUTIONS: Isolate the area in a radius of 50 meters, at least, in all directions and keep the curious people away. Wear protective clothes, gloves and safety glasses for the eyes. Do not touch, stand or walk on the spilled product. Stay away from the low areas and on position that keeps the wind behind your back.

EMERGENCY PROCEDURES: Wear impermeable protective clothing resistant to chemical products. Provide the grounding of all equipment that will be used in handling the spilled product. Eliminate all possible sources of ignition, such as, open flames, hot elements without insulation, mechanical or electrical sparks, cigarettes, electrical circuits, etc. Prevent from using any actions or procedures that cause the generation of sparks or flames.

Environment Precaution: Isolate the accident area. Prevent from the spread of the spilled product by avoiding the contamination of rivers and springs. Stanch the spillage, if possible, by avoiding contact with the skin and clothes. Never discard the spilled material into the sewers. The spillage must be reported to the manufacturer and/or the environmental agencies.

CLEANUP PROCEDURES: Absorb with inert absorbent material (sand, diatomite, vermiculate). Collect all material in suitable containers recipient and duly labeled for further treatment and disposal.

OTHER INFORMATION: The waste must be discarded according to the local, state or federal environmental legislation.

SECTION 7 Handling and Storage

STORAGE RECOMMENDATIONS:

Keep the package closed, in a cool and dry place.
Do not handle or store near an open flame, heat, or other source of ignition.
Store in a covered, dry well-ventilated area.
Keep the packaging tightly closed when it is not being used.

HANDLING PRECAUTIONS:

Do not smoke in the workplace.
Wear individual protective equipment.
Ensure proper ventilation at the workplace.
In areas where the chemical products are manipulated, the workers exposure must be monitored according to the PPRA (Environmental Risks Prevention Program) of NR-9.
Handle according to the industrial hygiene and safety good practices.
The storage and handling facilities must be equipped with eye wash and a safety shower.

The clothing and PPE must always be clean and verified before wearing.
For personal hygiene, use water, soap, and cleaning creams.
Good operational procedures and industrial hygiene help to reduce the handling risks of chemical products.

SECTION 8 Exposure Controls/Personal Protection

EXPOSURE LIMITS:

Ingredient	Source	Type	Value
No information available			

ENGINEERING CONTROLS: Ensure adequate ventilation, especially in confined areas.

RECOMMENDED PERSONAL PROTECTIVE MEASURES:

Respiratory Protection: Not necessary.
Hands Protection: Not necessary. Wear PVC gloves only if handling the product for a long period.
Eye Protection: Safety glasses.
Hygienic Instructions: Take off contaminated clothes immediately. Wash hands before eating and after handling. Take shower after hours of handling.

SPECIAL PPE REQUIREMENTS: None.

OTHER INFORMATION: None

SECTION 9 Physical and Chemical Properties

Appearance:	Slightly Yellow liquid
Upper/lower flammability or explosive limits:	No data available.
Odor:	Characteristic
Vapor pressure:	No data available.
Odor threshold:	No data available.
Vapor density:	No data available.
pH:	No data available.
Relative density / Specific gravity:	0.860 g/cm ³ (20/4°C)
Melting point/freezing point:	No data available.
Solubility:	Soluble in water
Initial boiling point and boiling range:	No data available.
Flash point:	71°C
Evaporation rate:	No data available.
Flammability (solid, gas):	Flammable
Upper/lower flammability or explosive limits:	Not explosive
Vapor pressure:	No data available.
Vapor density:	No data available.
Partition coefficient: n-octanol/water:	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

SECTION 10 Stability and Reactivity

REACTIVITY: No information available.

CHEMICAL STABILITY: Stable under normal conditions of storage and handling.

POSSIBILITY OF HAZARDOUS REACTIONS / POLYMERIZATION: Will not occur.

CHEMICAL INCOMPATIBILITIES: No information available.

CONDITION TO AVOID: Avoid all possible sources of ignition.

HAZARDOUS DECOMPOSITION PRODUCTS: The fire may cause toxic and irritating gases besides Carbon Monoxide and Carbon Dioxide.

SECTION 11 Toxicological Information

Routes of Exposure:	No information available.
Delayed, Immediate and Chronic Effects:	No information available.
Toxicity Measures:	No information available.
Description of Symptoms:	No information available.
Carcinogen Information:	No information available.
Information on toxicological effect:	
Capacity of irritation:	
Skin:	May cause skin irritation.
Eyes:	No information available.
Acute oral toxicity:	No information available.
Acute dermal toxicity:	No information available.
Acute inhalation toxicity:	No information available.
Skin corrosion / irritation:	May cause skin irritation.
Serious eye damage /irritation:	Expected to be slightly irritating.
Respiratory /skin sensitization:	No information available.
Aspiration hazard:	May be fatal if swallowed and enters into the respiratory tracts.
Germ cell mutagenicity:	No information available.
Carcinogenicity:	No information available.
Toxicity to Reproduction:	May be harmful to fertility or fetus.
Toxicity for Specific Target Organs – Single Exposure:	May make you drowsy or dizzy.
Toxicity for Specific Target Organs – Repeated Exposure:	May cause damage to the central nervous system by continuous long exposure and by respiratory tract.

SECTION 12 Ecological Information

ECOTOXICITY TEST DATA:	No information available.
PERSISTANCE AND DEGREDATION:	Slightly biodegradable.
BIOACCUMULATION POTENTIAL:	No information available.
SOIL-GROUNDWATER MOBILITY:	No information available.
OTHER ADVERSE EFFECTS:	Toxic for the aquatic organism with long effects.

SECTION 13 Disposal Considerations

RECOMMENDED DISPOSAL PROCEDURES: Do not dispose residues in the public net of sewers or with domestic garbage. Discard in conformance with local, county, state and federal regulations: ABNT-NBR 10.004/2004 and ABNT-NBR 16725.

SPECIAL DISPOSAL INSTRUCTIONS: No information available.

OTHER INFORMATION: Used Packaging: Its disposal must be according to all applicable environmental and health regulations by respecting the applicable products criteria.

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 This product is not regulated as a DOT hazardous material.

UN/ID Number: Not applicable
Proper shipping name: Not applicable
Hazard class: Not applicable
Packing Group: Not applicable
Exceptions: Not applicable
Environmental Hazards: Not applicable
Transport in Bulk: Not applicable
Special Precautions: Not applicable

IMO/IMDG This product is not regulated as a dangerous good for transport by vessel.

UN/ID Number: Not applicable
Proper shipping name: Not applicable
Hazard class: Not applicable
Packing Group: Not applicable
Exceptions: Not applicable
Environmental Hazards: Not applicable
Transport in Bulk: Not applicable
Special Precautions: Not applicable

ICAO/IATA This product is not regulated as a dangerous good for transport by aircraft.

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

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

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

Other information related to the transportation: Avoid the transportation on vehicles where the load space is not separated from the driver's cabin. Ensure the driver knows the potential risks of the cargo as well as the actions in case of any accident or emergency. Verify if the recipients are well-fastened before transporting the recipients. On fractional transportation each recipient must be properly identified with the labeling stated on the standards.

SECTION 15 Regulatory Information

Regulatory Information:

Ordinance NR 229 from 2011/MTE (Which amends the Regulatory Norm "NR 26", which states Signaling of Safety).

Decree 2.657/1998 – promulgates the Convention NR 170 of OIT, related to the safety in the use of Chemical Products at Work, signed in Geneva on July 25, 1990.

Decree NR 2657 from 1998 (ratified in Brazil the Convention NR 170 of OIT)

Law 9.605/1998 Environment Crimes.

Law 8.098/1990 Protection Consumer Code.

Regulatory requirements are subject to the change and may differ from a region to region; The user is responsible to ensure that its activities are according to the local, federal, state and city laws.

CONTROLLED PRODUCT: Not applicable.

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