

PRODUCT NAME: Contact Adhesive ABRO MASTERS
PRODUCT NUMBER/SIZE: CA-030-RE

Rev Date: 2/5/2016

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: Contact Adhesive
COMPANY PHONE: 574-232-8289
EMERGENCY 24-HR TELEPHONE: Chemtrec 800-424-9300 / 703-527-3887

SECTION 2 Hazards Identification

Classification:

Aspiration Hazard – Category 1
Mutagen – Category 1
Carcinogen – Category 1
Eye Irritant – Category 2A
Skin Sensitizer – Category 1
Flammable Liquid – Category 2

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Highly flammable liquid and vapor. May cause cancer. May cause genetic defects. Causes serious eye irritation. May cause an allergic skin reaction.

Precautionary Phrases: Keep away from heat, sparks and open flames. No smoking. Keep container tightly closed. Use explosion proof equipment and non-sparking tools. Take precautions against static discharge. Wear protective gloves and eye protection. Obtain special precautions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wash thoroughly after handling. Avoid breathing fumes. Contaminated clothing should not be allowed out of the workplace.

Response: IF ON SKIN (or hair) Remove immediately all contaminated clothing and wash before reuse. Rinse skin with plenty of soap and water. In case of fire, use standard extinguishing media. If exposed or concerned, 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 skin irritation occurs or if eye irritation persists, get medical attention.

Storage / Disposal: Store locked up in a well-ventilated place. Keep cool. Dispose of container in accordance with local, state, federal and national regulations.

Classification according to Regulation (EC) No. 1272/2008 [CLP]: Hazardous. Flam. Liq. 2 (H225); Eye Irrit. 2 (H319); STOT SE 3 (H336). Asp. Tox. 1 (H304); Muta. 1B (H340); Carc. 1B (H350).

Classification according to Directive 67/548/EEC or 1999/45/EC: Hazardous. F; R11 Xi; R36 Carc. Cat. 2; R45 Muta. Cat. 2; R46 Xn; R65

SECTION 3 Composition/Information on Ingredients

| COMPONENTS | CAS # | Weight % |
|-----------------------------|--------------|-----------------|
| Petroleum | 64741-44-2 | 30~40 |
| Petroleum Hydrocarbon Resin | 68131-77-1 | 10~15 |
| Butanone | 78-93-3 | 10~15 |
| Methyl Acetate | 79-20-9 | 30~40 |
| Chloroprene Rubber | 9010-98-4 | 10~15 |

*The specific chemical identity and/or exact percentage (concentration) of this composition has been withheld as a trade secret.

SECTION 4 First Aid Measures

GENERAL INFORMATION: Treat according to person's condition and specifics of exposure.

EYE CONTACT: Immediately flush with water for 15 minutes. Get medical attention.

SKIN CONTACT: Remove from skin and wash thoroughly with soap and water or waterless

INHALATION: Allow the victim to rest in well ventilated area. Oxygen may be administered if breathing is difficult. If irritation persists, seek medical attention

INGESTION: Get medical attention.

DELAYED EFFECTS: Not available.

RECOMMENDATIONS FOR IMMEDIATE MEDICAL CARE OR SPECIAL TREATMENT: Treat symptomatically.

SECTION 5 Fire Fighting Measures

RECOMMENDED EXTINGUISHING MEDIA: Not available.

UNUSUAL OR SPECIFIC FIRE AND EXPLOSION HAZARDS: Not considered to be an explosion hazard.

FIREFIGHTING INSTRUCTIONS AND PROTECTIVE EQUIPMENT: Not available.

SECTION 6 Accidental Release Measures

PERSONAL PRECAUTIONS: Avoid skin and eye contact. Do not take internally.

EMERGENCY PROCEDURES: Not available.

METHODS AND MATERIALS FOR CONTAINMENT: Wear protective equipment to prevent skin and eye contamination and inhalation of dust. Use appropriate tools to put the spilled material into a waste disposal container. Hold for reuse or disposal.

CLEANUP PROCEDURES: Wash spill site with soapy water after initial pickup is complete. Dispose of in accordance with all local or state regulations at an approved waste disposal facility. Do not allow large quantities to enter drains.

SECTION 7 Handling and Storage

STORAGE RECOMMENDATIONS: Store away from oxidizing agents. Keep Container Closed And Store Away From Fire, Heat or Water. Store in cool and dry ventilated conditions.

HANDLING PRECAUTIONS: Avoid eye contact with vapors, mists, or spray. Avoid skin contact. Avoid breathing of vapors, mists or spray. Use general dilution ventilation and/or local exhaust ventilation to control airborne exposures to below Occupational Exposure Limits. If ventilation is not adequate, use respiratory protection equipment. Do not ingest. Do not eat, drink or smoke when using this product. Wash exposed areas thoroughly with soap and water

ENGINEERING CONTROLS: These precautions are for room temperature handling. Use at elevated temperatures or aerosol spray applications may require added precautions.

GENERAL HYGIENE: DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly if skin becomes contaminated. When using do not eat, drink or smoke.

RECOMMENDED PERSONAL PROTECTIVE MEASURES:

Respiratory: An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half face piece or full face piece air- purifying respirator suitable for organic vapors and particulates

Eye/Face: Wear approved chemical safety goggles where eye exposure is reasonably probable.

Skin/Body: Use protective gloves made of: Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

Additional Information: Not available.

SECTION 9
Physical and Chemical Properties

| Item | Properties | Data |
|--|--------------------------------|---------------------------------|
| General Information | Specific Physical Form | Liquid |
| | Odor, Color, Grade | Yellow, Light odor, High- class |
| | General Physical Form | Liquid |
| Change In Condition | Melting Point | Not determined |
| | Boiling point | ≥ 80 °C |
| Flammable Limits | LEL | 1.0 % volume |
| | UEL | 12.8 % volume |
| Solubility | Water (%) | Slight (less than 10%) |
| Other | Auto-ignition temperature | Not determined |
| | Vapor Density | 2.0 [Ref Std: AIR=1] |
| | Vapor Pressure | ≤ 185 mmHg [@ 20 °C] |
| | Specific Gravity | 1.0 [Ref Std WATER=1.0] |
| | pH | Not determined |
| | Flash Point | - 20°C |
| | Evaporation rate | ≥ 2.0 [Ref Std: WATER=1] |
| | Volatile Organic Compounds | Not determined |
| | Percent volatile | Not determined |
| | VOC Less H3O & Exempt Solvents | Not determined |
| Viscosity | 3000cps | |
| Note : The above information is not intended for use in preparing specifications. | | |

SECTION 10
Stability and Reactivity

CHEMICAL STABILITY: Stable.

POSSIBILITY OF HAZARDOUS REACTIONS / POLYMERIZATION: Will not occur.

CHEMICAL INCOMPATIBILITIES: Oxidizing material can cause a reaction. Water, moisture, or humid air causes curing and the liberation of acetic acid vapors.

CONDITION TO AVOID: None.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide and carbon dioxide (during combustion)

SECTION 11
Toxicological Information

Routes of Exposure: Not available.

Health Effects: Refer to section 2.

Chronic Exposure No data available.

Target Organ Effects No data available.

| | |
|------------------------------|---------------------|
| Carcinogenicity | Refer to section 2. |
| Mutagenicity | Refer to section 2. |
| Reproductive Toxicity | No data available. |
| Teratogenicity | Refer to section 2. |

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

SECTION 12 Ecological Information

| | |
|---|---|
| Acute Toxicity | No information available. |
| Chronic Toxicity | No adverse effects on aquatic organisms are predicted. |
| Degradability | No information available. |
| Bioaccumulation | No bioaccumulation potential. |
| Soil Mobility | No information available. |
| Photodegradation | No information available. |
| Partition Coefficient (log K_{ow}) | No information available. |
| Stability in Water | No information available. |
| Other | Solid material, insoluble in water. No adverse effects are predicted. No adverse effects on bacteria are predicted. |

SECTION 13 Disposal Considerations

RECOMMENDED DISPOSAL PROCEDURES: Dispose of in accordance with local regulations.

U.S. EPA Waste Number & Descriptions:

Not ignitable, corrosive or reactive.

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.

Transport according to local and national regulations. Ensure containers will not leak, collapse, or being damaged when transported. DO NOT transport with incompatible materials. Transportation vehicle should be equipped with right fire-fighting equipment in case of emergency. Avoid solarization, drenched and high temperature when transported.

| | | |
|-----------------|------------------------|--|
| U.S. DOT | UN/ID Number: | UN1133 |
| | Proper shipping name: | Adhesives |
| | Hazard class: | 3 |
| | Packing Group: | II |
| | Exceptions: | May be shipped as consumer commodity or limited quantity |
| | Environmental Hazards: | None |
| | Transport in Bulk: | Not applicable |
| | Special Precautions: | ERG#128 |

IMO/IMDG UN/ID Number: UN1133
Proper shipping name: Adhesives
Hazard class: 3
Packing Group: II
Exceptions: May be shipped as a limited quantity in containers ≤ 120 mL
Environmental Hazards: None
Transport in Bulk: Not applicable
Special Precautions: EMS: F-E, S-D

ICAO/IATA UN/ID Number: UN1133
Proper shipping name: Adhesives
Hazard Class: 3
Packing Group: II
Exceptions: May be shipped as consumer commodity or limited quantity
Environmental Hazards: None
Transport in Bulk: Not applicable
Special Precautions: None

Canada (TDG) UN/ID Number: UN1133
Proper shipping name: Adhesives
Hazard class: 3
Packing Group: II
Exceptions: May be shipped as consumer commodity or limited quantity
Environmental Hazards: None
Transport in Bulk: Not applicable
Special Precautions: ERG#128

Europe (ADR/RID) UN/ID Number: UN1133
Proper shipping name: Adhesives
Hazard class: 3
Packing Group: II
Exceptions: May be shipped as limited quantity
Environmental Hazards: None
Transport in Bulk: Not applicable
Special Precautions: Special provision 640D

SECTION 15 Regulatory Information

Labelling According To EU Directives/Ordinance:

The product has been classified and marked in accordance with EU directives and ordinance on Hazardous Materials.

Special identification instructions: Not applicable.

National Regulations: Not applicable.

International Regulations: 67/548/EEC & 1999/45/EC & UN GH

SECTION 16 Other Information

NFPA Hazard Classification

Health: 2 Flammability: 3 Instability: 0 Special Hazards: None

National Fire Protection Association (NFPA) hazard ratings are designed for use by emergency response personnel to address the hazards that are presented by short-term, acute exposure to a material under conditions of fire, spill, or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are known to be generated in significant quantities.

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