

PRODUCT NAME: ABRO Gasket Shellac
PRODUCT NUMBER/SIZE: GS-10A

Revision Date: 10/31/2014

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: Head Gasket Shellac
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 liquids (Category 2)
Eye irritation (Category 2A)
Specific target organ toxicity - single exposure (Category 3), CNS
Skin sensitization (Category 1)

Label Pictogram(s):



Signal Word: DANGER

Hazard Phrases: Highly flammable liquid and vapor. Causes serious eye irritation.
May cause drowsiness or dizziness. May cause an allergic skin reaction.

Precautionary Phrases: Keep away from open flames. - No smoking. Use explosion proof equipment and non-sparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Avoid breathing vapors. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear eye protection and protective gloves

Response: IF ON SKIN (or hair): Remove immediately all contaminated clothing. Wash and rinse skin with plenty of water. Contaminated work clothing must not be allowed out of the workplace and must be washed before reuse. . If skin irritation or rash occurs: Get medical attention. IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing. 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 or you feel unwell, get medical attention. In case of fire: Use dry dry chemical, foam or CO₂ for extinction. Specific Treatment – refer to section 4 of the SDS.

Storage / Disposal: Store locked up in a well-ventilated place. Keep container tightly closed and cool. Dispose of contents/ container to an approved waste disposal plant

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
2-Propanol	67-63-0	15-60 %
Modified Rosin Mixture	8050-09-7	50-85 %

** Indicates ingredients that are subject to the reporting requirements of Section 313 of EPCRA and 40 CFR 372. Components of a blended material regulated under section 313 of SARA.

SECTION 4 First Aid Measures

First Aid Measures

Immediate Medical Attention: Treat symptomatically. Remove victim to fresh air.

Eyes: IRRIGATE WITH WATER FOR FIVE MINUTES; CONSULT PHYSICIAN.

Skin: WASH WITH SOAP AND WATER; WASH CLOTHES BEFORE REUSE.

Ingestion: KEEP RESPIRATORY TRACT CLEAR. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PER PERSON. IF SYMPTOMS PERSIST, CALL A PHYSICIAN.

Inhalation: REMOVE TO FRESH AIR IF EFFECTS OCCUR; CONSULT PHYSICIAN

Signs & Symptoms Of Over Exposure: INGESTION MAY IRRITATE THE DIGESTIVE TRACT. EYE CONTACT: CONTACT WITH LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT: MAY BE A SKIN SENSITIZER. INHALATION: HIGH CONCENTRATIONS OF VAPORS MAY BE IRRITATING TO THE RESPIRATORY TRACT.

Special Treatment: Provide general supportive measures and treat symptomatically.

SECTION 5 Fire Fighting Measures

Extinguishing media	Dry chemical, Form or CO ₂
Hazardous Combustion:	No information available.
Protective Equipment and Precautions for firefighters:	TREAT AS A CLASS B FIRE. WATER SPRAY CAN BE USED FOR COOLING EFFECT ON CONTAINERS
Flammability per Flame Projection Test	No information available.

SECTION 6 Accidental Release Measures

Personal precautions, protective equipment and emergency procedures:	VENTILATE AREA. AVOID BREATHING VAPOR. WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT, INCLUDING APPROPRIATE RESPIRATORY PROTECTION. NIOSH APPROVED ORGANIC VAPOR RESPIRATORS ARE ONLY REQUIRED WHEN VENTILATION IS INADEQUATE. NIOSH APPROVED AIR-LINE RESPIRATORS WITH AUXILIARY ESCAPE AIR TANKS OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED SPACES.
Methods/materials for containment and cleanup:	CONTAIN SPILL IF POSSIBLE. WIPE UP OR ABSORB ON SUITABLE MATERIAL AND SHOVEL UP. PREVENT ENTRY INTO SEWERS AND WATERWAYS. AVOID CONTACT WITH SKIN, EYES OR CLOTHING.
Environmental precautions:	Not required.

SECTION 7 Handling and Storage

Precautions for Safe Handling	MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. EYE WAS AND SAFETY SHOWER SHOULD BE AVAILABLE NEARBY WHEN THIS PRODUCT IS HANDLED OR USED.
Conditions for Safe Storage	MINIMIZE EXPOSURE TO PERIODS OF HIGH TEMPERATURES. AVOID CONTAMINATION OF WATER.

SECTION 8
Exposure Controls/Personal Protection

COMPONENTS	CAS Number	OSHA PEL	ACGIH TLV
Isopropanol	67-63-0	Not available.	200 ppm
Modified Rosin Mixture	8050-09-7	Not available.	Not available

Engineering Controls: LOCAL MECHANICAL EXHAUST. SAFETY SHOWER AND EYE BATH SHOULD BE PROVIDED. USE COVERALLS OR APRON TO PROTECT AGAINST SKIN AND CLOTHING CONTAMINATION.

Personal Protective Equipment:

Skin	IMPERVIOUS GLOVES.
Eyes	SAFETY GLASSES WITH SIDE SHIELDS
Respiratory	NIOSH APPROVED ORGANIC VAPOR RESPIRATORS ARE ONLY REQUIRED WHEN VENTILATION IS INADEQUATE. NIOSH APPROVED AIR-LINE RESPIRATORS WITH AUXILIARY ESCAPE AIR TANKS OR SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED IN CONFINED SPACES.

SECTION 9
Physical and Chemical Properties

Appearance and Physical State:	Dark brown liquid
Odor:	Solvent odor
Odor Threshold:	Not Available.
pH:	Not Available
Melting Point/Freezing Point:	Not Available
Initial boiling point & boiling range:	180-200 °F
Flash Point:	54° F (PMCC)
Evaporation rate:	Greater than 1.0 (BuAc=1)
Flammability (solid, gas)	Not Available.
Upper/lower flammability or explosive limits	Not Available
Vapor pressure	Not Available.
Vapor density	Heavier than air.
Relative density / Specific gravity	0.97
Solubility	Not Available.
Partition Coefficient n-Octanol/Water	Not Available.
Auto-ignition Temperature:	Not Available.
Decomposition Temperature:	Not Available.
Viscosity:	Not Available.
%-VOC Content:	1.80 lb/gallon
CARB VOC Category/Standard (%)	Not Available.
OTC Model Rule Category/Standard (%)	Not Available.
US EPA Cons Prod Category/Standard (%)	Not Available.
Weight per gallon	8.10 lb/gallon
Solids in weight %	74

SECTION 10 Stability and Reactivity

Reactivity	Product is non-reactive under normal conditions of use.
Chemical Stability:	Product is stable
Possibility of hazardous reactions:	None known.
Conditions to avoid (e.g. static discharge, shock or vibration):	MIXTURE WITH OR EXPOSURE TO INCOMPATIBLE MATERIALS (SEE BELOW) AVOID HEAT, SPARKS AND FLAMES.
Incompatibilities:	OXIDIZING AGENTS, SPONTANEOUS HEATING MAY OCCUR IF STORED IN A NON-VENTILATED AREA AT ELEVATED TEMPERATURES
Hazardous decomposition products:	None.
Hazardous polymerization:	Will not occur

SECTION 11 Toxicological Information

Likely Routes of Exposure:	Inhalation, eye/skin contact.
Symptoms:	INGESTION MAY IRRITATE THE DIGESTIVE TRACT. EYE CONTACT: CONTACT WITH LIQUID OR VAPOR MAY CAUSE IRRITATION. SKIN CONTACT: MAY BE A SKIN SENSITIZER. INHALATION: HIGH CONCENTRATIONS OF VAPORS MAY BE IRRITATING TO THE RESPIRATORY TRACT.
Delayed and Immediate Effects:	Not Available.
Chronic Effects:	Not Available.
Toxicity Measures:	ISOPROPANOL Acute toxicity LD50 Oral - rat - 5,045 mg/kg LC50 Inhalation - rat - 8 h - 16000 ppm LD50 Dermal - rabbit - 12,800 mg/kg Skin – rabbit Result: Mild skin irritation Serious eye damage/eye irritation Eyes – rabbit Result: Eye irritation - 24 h ROSIN MIXTURE Acute toxicity LD50 Oral - Rat - male and female - 2,800 mg/kg LD50 Dermal - Rat - male and female - > 2,000 mg/kg Skin – Rabbit Result: No skin irritation - 4 h
Chronic Effects:	No data available
NTP Carcinogen:	No

IARC Carcinogen: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (2-Propanol)

OSHA Carcinogen: No.

SECTION 12 Ecological Information

Ecotoxicity: No data available.

Persistence and Degradability: No data available.

Bioaccumulation Potential: No data available.

Mobility in Soil: No data available.

Other Adverse Effects: No data available.

SECTION 13 Disposal Considerations

Storage and Disposal Store locked up in a well-ventilated place. Keep container tightly closed and cool. MINIMUM FEASIBLE HANDLING TEMPERATURES SHOULD BE MAINTAINED. EYE WAS AND SAFETY SHOWER SHOULD BE AVAILABLE NEARBY WHEN THIS PRODUCT IS HANDLED OR USED. MINIMIZE EXPOSURE TO PERIODS OF HIGH TEMPERATURES. AVOID CONTAMINATION OF WATER.

Waste Disposal Method: Dispose of contents/ container to an approved waste disposal plant. INCINERATE IN FURNACE OR BURY IN LANDFILL IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS.

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:	UN1866
	Proper shipping name:	Resin Solution
	Hazard class:	3
	Packing Group:	II
	Exceptions:	May be shipped as a limited quantity or consumer commodity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable.
	Special Precautions:	ERG#127

IMO/IMDG	UN/ID Number:	UN1866
	Proper shipping name:	Resin Solution
	Hazard class:	3
	Packing Group:	II
	Exceptions:	May be shipped as a limited quantity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	EmS F-E, S-E
ICAO/IATA	UN/ID Number:	UN1866
	Proper shipping name:	Resin Solution
	Hazard Class:	3
	Packing Group:	II
	Exceptions:	May be shipped as a limited quantity or consumer commodity
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	None
Canada (TDG)	UN/ID Number:	UN1866
	Proper shipping name:	Resin Solution
	Hazard class:	3
	Packing Group:	II
	Exceptions:	May be reclassified as a limited quantity.
	Environmental Hazards:	None
	Transport in Bulk:	Not Applicable
	Special Precautions:	ERG#127

SECTION 15 Regulatory Information

SARA Title III:

Section 302/304 Extremely Hazardous Substances

Chemical Name CAS Number Range in % TPQ RQ

ISOPROPANOL 67-63-0 25% N/A

Section 311 Hazardous Categorization:

Acute Chronic X Fire X Pressure Reactive N/A

TSCA Inventory Status:

THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE TOXIC SUBSTANCE CONTROL ACT (TSCA) CHEMICAL SUBSTANCE INVENTORY.

States Right-to-Know Regulations:

INTERNATIONAL REGULATIONS:

WHMIS Classification: B3

D1B

Reactive

N/A

NONE.

California Prop. 65:

THE FOLLOWING DETECTABLE COMPONENTS OF THIS PRODUCT ARE SUBSTANCES, OR BELONG TO CLASSES OF SUBSTANCES, KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND/OR REPRODUCTIVE TOXICITY.

CANADIAN INVENTORY STATUS: THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE CANADIAN DOMESTIC SUBSTANCE LIST (DSL).

EINECS INVENTORY STATUS:

THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE EUROPEAN INVENTORY OF EXISTING CHEMICAL SUBSTANCES (EINECS) OR THE EUROPEAN LIST OF NOTIFIED CHEMICAL SUBSTANCES (ELINCS).

AUSTRALIAN INVENTORY STATUS:

JAPAN INVENTORY STATUS:

THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE JAPAN MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY (MITI) INVENTORY.

THIS PRODUCT, OR ITS COMPONENTS, ARE LISTED ON OR ARE EXEMPT FROM THE AUSTRALIAN INVENTORY OF CHEMICAL SUBSTANCES (AICS).

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