



PRODUCT SAFETY INFORMATION SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: ENDUR® Isoprene Elastomer Product
(Includes A714, A731, A732, A733, A734, A746, A7413, A7415, A7512)

HMIS RATING: H 1 F 1 R 0

USE OF MATERIAL: Floats

DATE PREPARED: 04/05/2011

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
One Technology Drive
P.O. Box 188
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CHEMTREC: 800-424-9300 (U.S. & Canada)
703-527-3887 (International – Call Collect)

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: NE

LABELING REQUIREMENTS: NE

EFFECTS OF OVEREXPOSURE: May cause transient eye irritation. May cause skin irritation in sensitive individuals.

INHALATION: May cause nose or throat irritation, dizziness, and headache while grinding or cutting.
Remove to fresh air – seek medical attention.

EYE CONTACT: Flush eyes with copious amounts of water and seek medical attention.

SKIN CONTACT: Wash thoroughly with soap and water.

INGESTION: Not a likely route of exposure. Seek medical attention.

CHRONIC: NE

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>%</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>China OEL</u>
Zinc Oxide	1314-13-2		<15	5 mg/m ³ (Dust)	2 mg/m ³ (Dust)	3 mg/m ³ (Dust)
Silica	63231-67-4		<10	5 mg/m ³	5 mg/m ³	5 mg/m ³
Sulfur	7704-34-9		<1	5 mg/m ³ (Resp. Nuisance Dust)	5 mg/m ³ (Resp. Nuisance Dust)	NE

This material is produced as an “article” as defined in 20 CFR 1910.1200 and is therefore exempt from the Hazard Communication Standard. Since this material does not release chemicals and will not result in exposure to a hazardous chemical under normal conditions of use, no Material Data Sheet is required. This form is provided as a convenience to our customers.

4. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. Obtain medical attention if symptoms persist.
EYE CONTACT:	Flush eyes with large amounts of water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
SKIN CONTACT:	Immediately take off all contaminated clothing and flush area with water for 15 to 20 minutes. Obtain medical attention if symptoms persist.
INGESTION:	Not a likely route of exposure. If large amounts of processing dusts are ingested resulting in gastrointestinal discomfort, seek medical attention.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	<u>NE</u>	UEL	<u>NE</u>
AUTOIGNITION TEMPERATURE:	NA					
EXTINGUISHING MEDIA:	<u>X</u> Water Spray	<u>X</u> Foam	<u>X</u> CO ₂			
	<u>X</u> Dry Chemical	Other –				
SPECIAL FIRE FIGHTING PROCEDURES:	Firefighters should be equipped with self-contained breathing apparatus and turnout gear.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Decomposition in a fire may produce toxic fumes. CO, CO ₂ , and oxides of nitrogen, HCN, traces of incompletely burned carbon compounds.					

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Exhaust vapors and dust if crushing, grinding, or heating material. Avoid touching eyes while handling. Use of this product in received form will not present a health hazard.
ENVIRONMENTAL PRECAUTIONS:	Residual amounts of hydrogen sulfide may be emitted during machining. Over exposure is unlikely due to the irritating nature of hydrogen sulfide. Control of dust/vapors while machining or heating will ensure safety conditions.
CLEANING METHODS:	Pick up larger solid materials. Use broom and dust pan to collect smaller pieces. Dispose of properly.

7. HANDLING AND STORAGE

HANDLING:	Wear suitable protective equipment (refer to Section 8). Wash hands with soap and water after handling. Avoid processing conditions that release small particles of materials (10 micrometers or less).
STORAGE:	Keep container tightly closed in a dry, cool, and well-ventilated area.

8. ENGINEERING CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	None needed under normal conditions. If material is heated and odors are noticeable and/or irritating, a respirator meeting NIOSH requirements should be used. A qualified individual should evaluate each situation.
<u>VENTILATION</u>	
LOCAL:	Recommended for all industrial operations.
GENERAL:	Recommended for all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	Gloves to protect hands.
EYE:	Safety glasses are recommended with all industrial operations.
SKIN:	Any material that will prevent contact with material.
OTHER:	Safety shower/eyewash in the area if possible tissue exposure to materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Tan Rubbery Solid
ODOR:	Sulfur
PHYSICAL STATE:	Solid
BOILING POINT:	NA °C (°F)
MELTING POINT:	NE °C (°F)
FREEZING POINT:	NA °C (°F)
WATER SOLUBILITY:	Negligible
VAPOR PRESSURE:	None
SPECIFIC GRAVITY:	NE
PARTITION COEFFICIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	>1
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE UNSTABLE

CONDITIONS TO AVOID:	NE
MATERIALS TO AVOID:	NE
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Decomposition in a fire may produce toxic fumes and Carbon monoxide, carbon dioxide, formaldehyde, and traces of incompletely burned carbon compounds.

11. TOXICOLOGICAL INFORMATION

ACUTE/CHRONIC:	NE
REPRODUCTIVE HAZARDS:	NE
CARCINOGENIC STATUS:	NA

12. ECOLOGICAL INFORMATION

NA

13. DISPOSAL CONSIDERATION

ENVIRONMENTAL TOXICITY DATA:	NA
WASTE DISPOSAL METHOD:	Dispose of in accordance with applicable, federal, state, provincial, and local laws and regulations.
CONTAINER DISPOSAL:	Dispose of in accordance with applicable, federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION

UN NUMBER:	Not Regulated
UN PROPER SHIPPING NAME:	Not Regulated
HAZARD CLASS (ES):	Not Regulated
PACKING GROUP:	Not Regulated
ENVIRONMENTAL HAZARDS:	Not Regulated

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS:	
Canadian (DSL/NDSL):	Listed
Australian (ACIS):	Listed
Korea (KECI):	Listed
Japan (ENCS, MITI):	Listed
REACH Directive	Material is Classified as an Article
EU Directive 2002/95/EC (RoHS):	Does not contain any intentionally added substances mentioned by the RoHS directive.
European:	
Symbol	Not classified according to directive 1999/45/EC (dangerous preparations).
R-Phase(s):	NA
S-Phase(s):	NA
TSCA (Toxic Substances Control Act):	All ingredients listed on TSCA or exempt. Materials is classified as and article.
CERCLA (Comprehensive Emergency Response, Compensation, and Liability Act):	NA
SARA TITLE III (Superfund Amendments and Reauthorization Act):	NA
311/312 HAZARD CATEGORIES:	None

This product contains the following toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372:

<u>CAS #</u>	<u>CHEMICAL NAME</u>	<u>PERCENT BY WEIGHT</u>
1314-13-2	Zinc Oxide	<15%

16. OTHER INFORMATION

NA = Not Applicable	FILE:	99147-Endur Isoprene PSIS-04052011.doc
NE = Not Established		99147
NC = Not Classified	PREPARED BY:	Michal Werbecki
	REVIEWED BY:	Frances Walsh

Review date: 04/05/2011
Section Modified:

THE INFORMATION CONTAINED HEREIN IS BASED ON DATA CONSIDERED ACCURATE. HOWEVER, NO WARRANTY IS EXPRESSED OR IMPLIED REGARDING THE ACCURACY OF THESE DATA OR THE RESULT TO BE OBTAINED FROM THE USE THEREOF.

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