



MATERIAL SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

TRADE NAME: Endur[®] NBR Rollers

HMIS RATING: H 1 F 1 R 0

USE OF ARTICLE: Used in the printing, coping, and scanner equipment.

DATE REVISED: November 16, 2009

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
One Technology Drive
Rogers, CT 06263-0188
Phone: 001-860-774-9605
Fax: 001-860-779-5509
Email: msdsinfo@rogerscorporation.com

EMERGENCY TELEPHONE: 800-424-9300 (U.S. & Canada)(CHEMTREC)
001-703-527-3887 (International – Call Collect)

2. HAZARDS IDENTIFICATION

CLASSIFICATION: Not Applicable (Article)

EFFECTS OF OVEREXPOSURE: May cause transient eye irritation. May cause skin irritation in sensitive individuals. May cause nose and throat irritation, dizziness, and headache while grinding or cutting.

INHALATION: Machined dust may cause respiratory irritation. Remove to fresh air. Seek medical attention if conditions persist.

EYE CONTACT: Dust may cause mechanical irritation. Flush eyes with water for 15-20 minutes. Seek medical attention if conditions persist.

SKIN CONTACT: None anticipated. Wash thoroughly with soap and water.

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

CHRONIC: None anticipated

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS</u> <u>/ELINCS</u>	<u>%</u>	<u>OSHA</u> <u>PEL</u>	<u>ACGIH</u> <u>TLV</u>	<u>EU Classification</u>
Nitrile Butadiene Rubber (NBR)	9003-56-9	NE	>99	NE	NE	Not Classified Under 67/548/EEC
Hydrogen Sulfide	7783-06-4	231-977-3	<2	20 ppm	10 PPM	F+; R12 - T+; R26 - N; R50
Ammonia	7664-41-7	231-635-3	<0.5	50 PPM	25 PPM	T, N; R23-34-50
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	<5	5 mg/m ³	5 mg/m ³	Repr. Cat. 2; R60-61 Refer to Section 15

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 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. The material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200 or EU directive 67/548/EEC.

4. FIRST-AID MEASURES

INHALATION:	Remove to fresh air. Obtain medical attention if symptoms persist.
EYE CONTACT:	Immediately flush eyes and eyelids thoroughly with water for at least 15 minutes while lifting upper and lower eyelids. Obtain medical attention if symptoms persist.
SKIN CONTACT:	Wash area of contact thoroughly with soap and water. Obtain medical attention if symptoms persist.
INGESTION:	Obtain medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA °C (°F)	Flammable Limits:	LEL	<u>NA</u>	UEL	<u>NA</u>
METHOD USED:	NA					
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 cause toxic fumes to be emitted. Refer to Section 10.					

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	In case of fire, toxic fumes are emitted. Use Self-contained Breathing Apparatus in fire conditions. Use if this product in received form will not present a health hazard.
ENVIRONMENTAL PRECAUTIONS:	Prevent from entering sewer system, surface water or soil.
CLEANING METHODS:	Sweep or shovel spills into appropriate container for disposal. Avoid creating airborne dust.

7. HANDLING AND STORAGE

HANDLING:	Wear suitable protective equipment, refer to Section 8.
STORAGE:	Keep in a cool, well-ventilated area. Store out of direct sunlight.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<u>Chemical Name</u>	<u>CAS No.</u>	<u>EINECS /ELINCS</u>	<u>BEL PEL</u>	<u>BEL TLV</u>
Nitrile Butadiene Rubber (NBR)	9003-56-9	NE	Not Established	Not Established
Hydrogen Sulfide	7783-06-4	231-977-3	Not Established	Not Established
Ammonia	7664-41-7	231-635-3	20 ppm	50 ppm
Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0	5 mg/m ³	10 mg/m ³

RESPIRATORY PROTECTION:	None normally required. May be necessary if airborne dust is present while grinding or machining. If mechanical ventilation is absent or inadequate to maintain exposure levels below those listed in Section 3, use NIOSH/MSHA approved respirators.
-------------------------	---

VENTILATION

LOCAL:

Use local exhaust at point of emission in machining operations where exposure levels are exceeded, dust is irritating, or vapors are present under heated conditions.

GENERAL:

Recommended with all industrial operations.

PERSONAL PROTECTION

HAND:

Gloves to prevent mechanical irritation.

EYE:

Safety glasses with side shields. Do not wear contact lenses.

SKIN:

Safety shower/eyewash in the area if potential exposure to materials.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Typical of Hard Rubber, Except 80% Nitrogen
ODOR:	Slight Sulfur
PHYSICAL STATE:	Solid
BOILING POINT:	NA
FLASH POINT:	NA
MELTING POINT:	NA
FREEZING POINT:	NA
WATER SOLUBILITY:	NA
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	NA (Water = 1)
PARTITION COEFIECIENT:	NA
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	NA
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE	<input checked="" type="checkbox"/>	UNSTABLE	<input type="checkbox"/>
CONDITIONS TO AVOID:	None Under Normal Use		
MATERIALS TO AVOID:	None Under Normal Use		
HAZARDOUS POLYMERIZATION:	<input type="checkbox"/> May Occur	<input checked="" type="checkbox"/>	Does Not Occur
HAZARDOUS DECOMPOSITION PRODUCTS:	Possible products of combustion may include halogenated compounds, ketones, aldehydes, methane, methanol and oxides of carbon.		

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS:	NA
ACUTE/CHRONIC:	NA
REPRODUCTIVE HAZARDS:	Contains a substance classified as toxic for reproduction category 2.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	NA
MOBILITY	NA
PERSISTENCE AND DEGRADABILITY	NA
BIOACCUMULATIVE POTENTIAL	NA
RESULTS OF PBT ASSESSMENT	NA

OTHER ADVERSE EFFECTS NA

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

DOT/ADR CLASSIFICATION: NOT REGULATED
RID CLASSIFICATION: NOT REGULATED
IMDG CLASSIFICATION: NOT REGULATED
ICAO/IATA CLASSIFICATION: NOT REGULATED
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): NE
Australian (ACIS): NE
Korea (KECI): NE
China (SEPA): Listed
Japan (ENCS, MITI): NE
EU Directive 2002/95/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

European: Not Applicable (Article)
R-Phrase(s): NA
S-Phrase(s): NA

EU Regulation (EC#1907/2006) (REACH): This article contains Bis (2-ethylhexyl)phthalate (DEHP), which is identified as a Substance of Very High Concern and is on the candidate list for Authorization.

CHEMICAL SAFETY ASSESSMENT NE

TSCA All ingredients are TSCA listed.
(Toxic Substances Control Act):

CERCLA NA
(Comprehensive Emergency Response, Compensation, and Liability Act):

SARA TITLE III NA
(Superfund Amendments and Reauthorization Act):

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>
NA	NA	NA

16. OTHER INFORMATION

NA = Not Applicable
NE = Not Established
NC = Not Classified

FILE: Nitrophenyl Cellular Rubber Rollers
99270
PREPARED BY: Michal Werbecki
REVIEWED BY: Tim Gauthier

Composition

Classification Information:

F+ : Extremely Flammable
T+ : Very Toxic
T : Toxic
N: Dangerous for the Environment
Repr. Cat. 2: Toxic for Reproduction Category 2

R-Phrase(s) Information:

R12: Extremely Flammable
R23: Toxic By Inhalation
R26: Very Toxic by Inhalation
R34: Causes Burns
R50: Very Toxic to Aquatic Organisms
R60: May Impair Fertility
R61: May cause harm to the Unborn Child

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.

ROGERS CORPORATION ASSUMES NO RESPONSIBILITY FOR PERSONAL INJURY OR PROPERTY DAMAGE TO VENDEES, USERS OR THIRD PARTIES CAUSED BY THE MATERIAL. SUCH VENDEES OR USERS ASSUME ALL RISKS ASSOCIATED WITH THE USE OF THE MATERIAL. MSDS HAS BEEN PREPARED IN ACCORDANCE WITH ANSI STANDARD Z400.1-2004.