



Product Safety Information Sheet

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

TRADE NAME: EC-2040, 2130

HMIS RATING: H 1 F 1 R 0

USE OF PREPARATION: Electrically Conductive Foam

DATE PREPARED: April 25, 2011

COMPANY/UNDERTAKING IDENTIFICATION: Rogers Corporation
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2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: Not classified.

LABELING REQUIREMENTS:



+ T : Toxic

EFFECTS OF OVEREXPOSURE: None are expected with normal handling. Materials listed in Section 2 are encapsulated or compounded making release unlikely.

INHALATION: Machined dust may cause respiratory irritation. (machines means using a saw to cut the article, which generates visible particles)

EYE CONTACT: Dust caused by mechanical grinding or cutting may cause mechanical irritation.

SKIN CONTACT: None anticipated.

INGESTION: Not a likely route of exposure.

CHRONIC: NA

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>	<u>EU Classification</u>
Nickel	7440-02-0	231-111-4	<60	1 mg/m ³	1.5 mg/m ³	1 mg/m ³	Carc. Cat. 3; R40, R48/23, R43, R52-53
Synthetic Graphite	7782-42-5	231-955-3	<35	5 mg/m ³ (Resp.)	2 mg/m ³ (Resp.)	NA	NC according to 67/548/EEC

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:	No likely route of exposure. Remove to fresh air. Obtain medical attention if symptoms persist.
EYE CONTACT:	For dust generated during mechanical cutting: 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 if irritation develops. Obtain medical attention if symptoms persist.
INGESTION:	Obtain medical attention if symptoms persist.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	NA	Flammable Limits:	LEL	NA	UEL	NA
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.
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:	No protective equipment need if handle as raw materials. Wear suitable protective equipment if performing mechanical cutting, refer to Section 8.
STORAGE:	Keep in a cool, well-ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

RESPIRATORY PROTECTION:	If mechanical ventilation is absent or inadequate to maintain exposure levels below those listed in Section 3, use NIOSH/MSHA approved respirators. No respirator protection required handling material or during stamp cutting.
<u>VENTILATION</u>	
LOCAL:	Use local exhaust at point of emission in machining operations where exposure levels are exceeded or dust is irritating.
GENERAL:	Recommended with all industrial operations.
<u>PERSONAL PROTECTION</u>	
HAND:	No gloves required with handling materials.
EYE:	Non-required, due to this product.
SKIN:	Non-required due to this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:	Dark gray solid rubber.
ODOR:	Slight characteristic.
PHYSICAL STATE:	Solid

BOILING POINT:	NA
FLASH POINT:	NE
MELTING POINT:	NA
FREEZING POINT:	°C (°F)
WATER SOLUBILITY:	InSoluble
VAPOR PRESSURE:	NA
SPECIFIC GRAVITY:	NA
PARTITION COEFIECIENT:	1.98-2.17 (Water = 1)
EXPLOSIVE PROPERTIES:	NA
EVAPORATION RATE:	NA
DENSITY:	1.98 –2.17 g/cc
VISCOSITY:	NA
IGNITION TEMPERATURE:	NA
PH:	NA
FLAMMABILITY:	NA
OXIDIZING PROPERTIES:	NA

10. STABILITY AND REACTIVITY

STABLE UNSTABLE _____

CONDITIONS TO AVOID: _____ None Under Normal Use

MATERIALS TO AVOID: _____ NE

HAZARDOUS POLYMERIZATION: _____ May Occur Does Not Occur

HAZARDOUS DECOMPOSITION PRODUCTS: _____ Carbon Monoxide, Carbon Dioxide, and hydrocarbons

11. TOXICOLOGICAL INFORMATION

CARCINOGENIC STATUS: _____ Nickel is listed by NTP as “reasonably anticipated to be a carcinogen” and IARC as a 2B carcinogen (“possibly carcinogenic to humans”).

ACUTE/CHRONIC: _____ NA

REPRODUCTIVE HAZARDS: _____ NA

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 (IECSC): Article
 Japan (ENCS, MITI): NE
 EU Directive 2002/95/EC (RoHS): Does not contain any intentionally added substances mentioned by the RoHS directive.

European:



+ T : Toxic

R-Phrase(s): R 40 Limited evidence of a carcinogenic effect.
 R 43 May cause sensitization by skin contact.
 R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-Phrase(s): S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
 S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 S 61 Avoid release to the environment. Refer to special instructions / Safety data sheets.

CHEMICAL SAFETY ASSESSMENT

EU REACH

TSCA

(Toxic Substances Control Act):

CERCLA

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

SARA TITLE III

(Superfund Amendments and Reauthorization Act):

311/312 HAZARD CATEGORIES: Acute

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>
7440-02-0	Nickel	<60

16. OTHER INFORMATION

NA = Not Applicable FILE: 99057 EC2040 2130 PSIS 04-25-2011.doc
 NE = Not Established 99057
 NC = Not Classified PREPARED BY: Michal Werbecki
 REVIEWED BY: Frances Walsh

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