



PRODUCT SAFETY INFORMATION SHEET

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

TRADE NAME: DW 800

PRODUCT NUMBERS COVERED: DW 800

USE OF ARTICLE: Automotive battery material

DATE ISSUED: 02/24/2020

COMPANY/UNDERTAKING IDENTIFICATION: DeWAL Industries, Inc.
15 Ray Trainor Drive
Narrangansett, RI 02882
Phone: 401-789-9736
Email: msdsinfo@rogerscorporation.com

2. HAZARDS IDENTIFICATION

CLASSIFICATION OF THE MATERIAL: Not classified as hazardous to OSHA Hazard Communication Standard, 29 CFR 1910.1200.

LABELING REQUIREMENTS: NE

EFFECTS OF OVEREXPOSURE: None anticipated with normal handling.

INHALATION: Not a likely source of exposure.

EYE CONTACT: Not a likely source of exposure.

SKIN CONTACT: Wash with cold water and mild soap.

INGESTION: Not a likely source of exposure.

CHRONIC: NE

SECTION 2 NOTES: The product above is considered “articles” according to OSHA Hazard Communication Standard 29 CFR 1910.1200 and is exempt from the material safety data sheet provisions of 29 CFR 1910,1200 (G) (6). Rogers Corporation has prepared the PSIS in order to provide information on the appropriate safety and handling methods of these products. The above product is considered non-hazardous when used according to accepted practices for the intended use.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>%</u>
Fiberglass Fiber (non-respirable)	65997-17-3	30-75
Aluminum Foil	7429-90-5	5-40
Polydimethylsiloxane Adhesive	70131-67-8	5-30

4. FIRST-AID MEASURES

INHALATION:	Not a likely source of exposure.
EYE CONTACT:	Not a likely source of exposure.
SKIN CONTACT:	Wash with cold water and mild soap. Contact with the adhesive face may cause skin irritation or injury.
INGESTION:	Not a likely source of exposure.
ACUTE HEALTH HAZARDS:	See Section 11.1. Information on Toxicological Effects.

5. FIRE-FIGHTING MEASURES

FLASH POINT:	None °C (°F)	Flammable Limits:	LEL	NA	UEL	NA
AUTOIGNITION TEMPERATURE:	NE °C (°F)					
EXTINGUISHING MEDIA:	X Water Spray X Dry Chemical	X Foam Other –	X	CO ₂		
SPECIAL FIRE FIGHTING PROCEDURES:	When conditions are severe and thermal decomposition is possible, wear full protective clothing, including helmet, self-contained positive pressure breathing apparatus, bunker coat and pants, bands around arms and legs, full face mask and protective covering for any exposed areas of the head.					
UNUSUAL FIRE AND EXPLOSION HAZARDS:	Exposure to extreme heat may give rise to thermal decomposition: carbon monoxide, carbon dioxide and silicone dioxide.					

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:	Evacuate area. Ventilate area with fresh air. Observe cautions from other sections of the PSIS. Non-hazardous solid.
ENVIRONMENTAL PRECAUTIONS:	None known.
CLEANING METHODS:	Sweep or shovel into normal trash. Avoid creation of nuisance dust.

7. HANDLING AND STORAGE

HANDLING:	When working with this product, wearing gloves will eliminate any chance of a skin irritation or cuts from the aluminum foil.
STORAGE:	Use normal storage procedures. Avoid excess temperatures and high humidity.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Occupational Exposure Limits (OEL's)

<u>Ingredient</u>	<u>CAS #</u>	<u>Agency</u>	<u>Limit Type</u>
Non-Respirable Fiberglass Fiber	65997-17-3	OSHA PEL	8 HR TWA Total Dust = 15 mg/m ³ 8 HR TWA Respirable Fraction = 5 mg/m ³
		ACGIH TLV	8 HR TWA Respirable Fraction = 1 fiber/cm ³

ACGIH : American Conference of Governmental Industrial Hygienists

AIHA : American Industrial Hygiene Association

CMRG : Chemical Manufacturer's Recommended Guidelines

OSHA : United States Department of Labor - Occupational Safety and Health Administration

TWA: Time-Weighted-Average

STEL: Short Term Exposure Limit

CEIL: Ceiling

8.2 Exposure Controls

For any situation where the material might be exposed to extreme overheating, use appropriate local exhaust ventilation to reduce any possible thermal decomposition products. If local ventilation is not possible, use respiratory protection equipment.

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.

VENTILATION

LOCAL:

Recommended for all industrial operations.

GENERAL:

Recommended for all industrial operations.

PERSONAL PROTECTION

HAND:

Gloves would be recommended to help prevent skin irritation.

EYE:

Safety glasses with side-shields are recommended in all industrial operations.

SKIN:

Gloves would be recommended to help prevent skin irritation.

THERMAL HAZARDS

Unlikely exposure.

OTHER:

Safety shower/eyewash in the area.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE:

Solid Fabric reinforced Aluminum Foil Adhesive Tape

ODOR:

Slight Characteristic Odor, foil tape

PHYSICAL STATE:

Solid

BOILING POINT:

NA °C (°F)

MELTING POINT:

No Data Available

FREEZING POINT:

NA °C (°F)

FLASH POINT:

None °C (°F)

WATER SOLUBILITY:

In-Soluble

VAPOR DENSITY:

NA

VAPOR PRESSURE:

NA

SPECIFIC GRAVITY:

NA (Ref Std: Water = 1)

PARTITION COEFFICIENT:

NA

EVAPORATION RATE:

NA

DENSITY:

VISCOSITY: NA
 AUTO-IGNITION TEMPERATURE: No Data Available
 VOLATILE ORGANIC COMPOUNDS: NA
 DECOMPOSITION TEMPERATURE: NA
 PERCENT VOLATILE: NA
 VOC LESS H₂O ELEMENT SOLVENT: NA
 PH: NA
 FLAMMABILITY: Not Classified.

10. STABILITY AND REACTIVITY

STABLE X UNSTABLE _____

CONDITIONS TO AVOID: Not Determined
 MATERIALS TO AVOID: Strong oxidizers, acids, bases and organic solvents
 HAZARDOUS POLYMERIZATION: _____ May Occur X Does Not Occur
 HAZARDOUS DECOMPOSITION PRODUCTS: Under normal recommended conditions, decomposition is not expected.

11. TOXICOLOGICAL INFORMATION

This information may not be consistent with the material classification in Section 2 if specific ingredient classifications are mandated by a competent authority. In addition, toxicological data on ingredients may not be reflected in the material classification and / or the signs and symptoms of exposure, because an ingredient may be present below the threshold for labeling, an ingredient may not be available for exposure, or the data may not be relevant to the material as a whole.

11.1 Information of Toxicological Effects

SIGNS AND SYMPTOMS OF OVEREXPOSURE: Based on information on the components no acute effects have been identified.

Inhalation: Not a likely source of exposure.

Skin Contact: No known significant effects.

Eye Contact: Not a likely source of exposure.

Ingestion: Not a likely source of exposure.

TOXICOLOGICAL DATA:

Acute Toxicity Name	Route	Value
Overall Product	Ingestion	No Data Available
Glass Fiber	Dermal	No known significant effects
Glass Fiber	Ingestion	No known significant effects
Silicone Resin	Dermal	No known significant effects
Silicone Resin	Ingestion	No known significant effects
Aluminum Foil	Dermal	No known significant effects
Aluminum Foil	Ingestion	No known significant effects

Skin Irritation

Silicone Resin
 Glass Fiber
 Aluminum Foil

No Significant Irritation
 No Significant Irritation
 No Significant Irritation

Serious Eye Irritation

No known significant effects

Skin Sensation

No known significant effects

Respiratory Sensation

No known significant effects

Carcinogenicity

**Not listed as a Carcinogen by
 NTP, IARC or OSHA**

Reproductive Toxicity

No known significant effects

Target Organs

No known significant effects

12. ECOLOGICAL INFORMATION**ECOTOXICITY:**

These products are chemically unreactive, non-toxic, non-water soluble and non- biodegradable.

13. DISPOSAL CONSIDERATION**PHYSICAL/CHEMICAL PROPERTIES AFFECTING DISPOSAL:**

None

ENVIRONMENTAL TOXICITY DATA:

NA

WASTE DISPOSAL METHOD:

Dispose of in accordance with applicable federal, state, provincial, and local laws and regulations.

14. TRANSPORT INFORMATION**UN NUMBER:**

Not Regulated by DOT, IATA, IMDG, ARD

UN PROPER SHIPPING NAME:

Not Regulated by DOT, IATA, IMDG, ARD

HAZARD CLASS(ES):

Not Regulated by DOT, IATA, IMDG, ARD

PACKING GROUP:

Not Regulated by DOT, IATA, IMDG, ARD

ENVIRONMENTAL HAZARDS:

Not Regulated by DOT, IATA, IMDG, ARD

HARMONIZED TARIFF CODE:

7607.20.5000

IATA:

Not Regulated

15. REGULATORY INFORMATION**15.1 U.S. Federal Regulations:****TSCA**

(Toxic Substances Control Act):

This product is in compliance with requirements of TSCA.

CERCLA

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

NA

SARA TITLE III

(Superfund Amendments and Reauthorization Act):

NA

311/312 HAZARD CATEGORIES: NA
313 REPORTABLE INGREDIENTS: NA

Clean Air Act 112b HAPs: None of the components are listed.
Clean Air Act 112r EHS: None of the components are listed.
Clean Air Act 602 Class I Ozone Depleting Substances: None of the components are listed.
Clean Air Act 602 Class II Ozone Depleting Substances: None of the components are listed.
Clean Air Act SOCOMI Chemicals: None of the components are listed.
Clean Water Act 311: None of the components are listed.
DHS Chemicals of Interest: None of the components are listed.
OSHA PSM Highly Hazardous Chemicals: None of the components are listed.
SARA 302 EHS TPQ: None of the components are listed.
SARA 304 EHS RQ: None of the components are listed.
SARA 311/312: None of the components are listed.
SARA 313 TRI: None of the components are listed.

15.2 International Regulations:

Australia Inventory of Chemical Substances (AICS): Listed; Fiberglass fiber, 65997-17-3.
Canada CEPA Toxic Substances: None of the components are listed.
Canada DSL Inventory: Listed; Fiberglass fiber, 65997-17-3.
Canada NDSL Inventory: None of the components are listed.
Canada Priority Substances Lists: None of the components are listed.
China Inventory of Existing Chemical Substances (IECSC): Listed; Fiberglass fiber, 65997-17-3.
EU Substances of Very High Concern: Does not contain REACH SVHCs greater than 0.1%.
EU REACH Classification: Article.
EU RoHS Substances: None of the components are listed.
Europe EINECS: Listed; Fiberglass fiber, 65997-17-3.
Japan Inventory of Existing & New Chemical Substances (ENCS): None of the components are listed.
Korea Existing Chemicals Inventory (KECI): Listed; Fiberglass fiber, 65997-17-3.
Malaysia EHS Register: Listed; Fiberglass fiber, 65997-17-3.
New Zealand Inventory of Chemicals (NZIoC): Listed; Fiberglass fiber, 65997-17-3.
Philippines Inventory of Chemicals and Chemical Substances (PICCS): Listed; Fiberglass fiber, 65997-17-3.
Taiwan Inventory (CSNN): Listed; Fiberglass fiber, 65997-17-3.

15.3 State Regulations:

California Hazardous Substances: None of the components are listed.
California Proposition 65: None of the components are listed.
Delaware List of Chemicals: None of the components are listed.
Idaho Toxic Air Pollutants: None of the components are listed.
Illinois Toxic Air Contaminates: None of the components are listed.
Maine HAPs: None of the components are listed.
Massachusetts Hazardous Substances: None of the components are listed.
Michigan Critical Materials: None of the components are listed.
Minnesota Hazardous Substances: None of the components are listed.
New Jersey RTK: None of the components are listed.
New Jersey TCPA EHS: None of the components are listed.
New York Hazardous Substances: None of the components are listed.
North Carolina Toxic Air Pollutants: None of the components are listed.
Pennsylvania Hazardous Substances: None of the components are listed.
Washington PELs: None of the components are listed.
West Virginia Toxic Air Pollutants: None of the components are listed.
Wisconsin Hazardous Air Contaminates: None of the components are listed.

16. OTHER INFORMATION

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

FILE: 99624 – DW 800 PSIS - 02242020

PREPARED BY: Rogers Corporate EHS

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