MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT INFORMATION

Supplier Name
The Mill-Rose Company
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(800) 321-3598

Emergency Telephone No.
(800) 321-3598

Date Prepared: April 13, 2020
Replaces: July, 2007

Product
Oxidized or stabilized Polyacrylonitrile (PAN) fiber

Trade Names and Synonyms
Torch Guard™ Items 71032, 71034

SECTION 2 – HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Product definition	Article
2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]	Not classified
2.1.2 Classification according to Regulation 67/548/EEC or 1999/45/EC	
Hazard symbols	None
R-phrases	None

2.2 Label elements

Labeling according to Regulation 67/548/EEC or 1994/45/EC	
Hazard symbols	None
R-phrases	None
S-phrases	None
Special labeling	Not applicable Product is non-hazardous and therefore does not require a hazard warning label, in accordance with OSHA HazCom and EC-directives.

2.3 Other hazards

Physio-chemical hazards	See SECTION 10
Human health dangers	See SECTION 11 and below
Eye	Flush eyes with water for 15 minutes.
Skin	Wash affected areas thoroughly with soap and water.
Inhalation	Remove from the dust area to fresh air.
Environmental hazards	See SECTION 12
Other hazards	-

SECTION 3 – COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Product-type Article

Component	**CAS. NO**	**Weight %**
Oxidized or stabilized Polyacrylonitrile (PAN) fiber	308060-39-1	100

SECTION 4 – FIRST AID MEASURES

4.1 Description of first aid measures

General information	Not applicable
Inhalation	Remove from the dust area to fresh air.
Skin contact	Wash affected areas thoroughly with soap and water.
Eye contact	Flush eyes with water for 15 minutes.
Ingestion	In the event of deliberate ingestion, consult with a doctor

4.2 Most important symptoms and effects, both acute and delayed

4.3 Indication of any immediate medical attention and special treatment

No data available

SECTION 5 – FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Normal firefighting media and procedures.
Unsuitable extinguishing media	**-**

5.2 Special hazards arising from the substance or media

Upon intense heating, CO_2, CO and a minute amount of NO_x, HCN and H_2O may be released.

5.3 Advise for firefighters — Self-contained breathing apparatus (SCBA).

SECTION 6 – ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel	Not applicable
6.1.2 For emergency responders	Not applicable
6.2 Environmental precautions	Not applicable

6.3 Methods and material for containment and cleaning up

6.3.1 For containment	Not applicable
6.3.2 For cleaning up	Not applicable
6.4 Reference to other sections	Personal protective equipment (PPE) See SECTION 8 Disposal considerations See SECTION 13

SECTION 7 – HANDLING AND STORAGE

7.1 Precautions for safe handling	Keep the package sealed, away from dirt and moisture. Avoid exposure to sunlight.

7.2 Conditions for safe storage, including any incompatibilities

None

7.3 Specific end use(s) — See SECTION 1.2

SECTION 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters	None

8.2 Exposure controls

8.2.1 Appropriate engineering controls	Local exhaust for airborne dust removal. Emergency eyewash.
8.2.2 Personal protection equipment	
8.2.2.1 Eye and face protection	Safety glasses
8.2.2.2 Skin protection	
Hand protection	Choose appropriate gloves to protect hands against hazards specific to place of work.

Other skin protection	Not applicable
8.2.2.3 Respiratory protection	Normal industrial hygiene practice (dust mask) if high degree of fiber fly is experienced.
8.2.2.4 Thermal hazards	Not applicable
8.2.3 Environmental exposure controls	See SECTIONS 6 & 7

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solid
Odor	Not determined
pH	Not determined
Melting point / freezing point	Not determined
Initial boiling point and boiling range	Not determined
Flashpoint	Not determined
Evaporation rate	Not determined
Flammability (solid, gas)	Not determined
Upper/lower flammability or explosive limits	Not determined
Vapor pressure	Not determined
Vapor density	Not determined
Specific gravity (relative density)	≥1.35 g/cm^3
Solubility(ies) water	Not soluble
Partition coefficient n-octanol/water	Not applicable
Auto ignition temperature	670°C
Decomposition temperature (in Air)	500°C
Viscosity	Not applicable
Explosive properties	Not applicable
Oxidizing properties	Not applicable
9.2 Other information	Not applicable

SECTION 10 – STABILITY AND REACTIVITY

10.1 Reactivity	See SECTION 10.3
10.2 Chemical stability	Stable
10.3 Possibility of hazardous reactions	Not determined
10.4 Conditions to avoid	See SECTION 7
10.5 Incompatible materials	See SECTION 10.3
10.6 Hazardous decomposition products	Burning will produce CO^2, CO, and minute amounts of NO_X, HCN and H_2O.

SECTION 11 – TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity	No data available
Skin corrosion/irritation	See SECTION 4
Serious eye damage/irritation	See SECTION 4
Respiratory or skin sensitization	See SECTION 4 No data available (skin sensitization)
Germ cell mutagenicity	No data available

Carcinogenicity	No data available
Reproductive toxicity	No data available
STOT-single exposure	No data available
STOT-repeated exposure	No data available
Aspiration hazard	Not an inhalation hazard.

SECTION 12 – ECOLOGICAL INFORMATION

12.1 Toxicity	No data available
12.2 Persistence and degradability	No data available
12.3 Bioaccumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and nPvB assessment	No data available
12.6 Other adverse effects	Ecological data not available.

SECTION 13 – DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods	Landfill sites – industrially approved. Do not incinerate. If necessary, consult local, state, and federal agencies prior to disposal of this material.

SECTION 14 – TRANSPORT INFORMATION

14.1 UN number	See SECTION 14.2
14.2 UN proper shipping name	Not Dangerous Goods ADR/RID (land) ADN (inland navigation) IMDG (marine)
14.3 Transport hazard class(es)	See SECTION 14.2
14.4 Packing group	See SECTION 14.2
14.5 Environmental hazards	See SECTION 14.2
14.6 Special precautions to user	See SECTIONS 6 to 8

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC code

Not Dangerous Goods

SECTION 15 – REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

CA Proposition 65

⚠ **WARNING**

This product can expose you to chemicals including Diethanolamine (CAS 111-42-2 – trace amount / impurity), which is known to the State of California to cause cancer.

For more information go to www.P65Warnings.ca.gov

Toxic Substances Control Act (TSCA) Status

This product is TSCA-compliant

15.2 Chemical safety assessment	Has not been carried out.

SECTION 16 – OTHER INFORMATION

16.1 Revision date	April 13, 2020
16.2 Previous revision	July 2007

16.3 Abbreviations and acronyms

ADN = Accord européen relative au transport international des marchandises dangereuses par voie de navigation intérieure
ADR = Accord europé relative au transport international des marchandises Dangereuses par Route
CAS = Chemical Abstracts Service
CLP = Classification Labeling and Packaging
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
IBC-Code = International Coder for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IMDG = International Maritime Code for Dangerous Goods
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
OSHA = Occupational Safety and Health Administration
PBT = Persistent, Bioaccumulative and Toxic Substance
RID = Réglement concermant le transport international ferroviare de marchandises dangereuses

NOTICE FROM THE MILL-ROSE COMPANY

The information in this Material Safety Data Sheet (MSDS) relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. We believe that the information contained herein is current as of the date of the MSDS. Since use of this information and these opinions and the conditions of use of the product are not within the control of The Mill-Rose Company, it is the user's obligation to determine the conditions of safe use of the product.