



# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 2/11/2025 Version: 1.0

### SECTION 1 Identification

#### 1.1. Product identifier

Product form : Article  
Product name : Performance Abrasives Purple Line

#### 1.2. Other means of identification

No additional information available

#### 1.3. Recommended use of the chemical and restrictions on use

Recommended use : Abrasive product

#### 1.4. Supplier's details

SEM Products, Inc.,  
1685 Overview Drive  
Rock Hill, South Carolina 29730  
UNITED STATES OF AMERICA  
Telephone: +1 866 327 7829

SEM Products, Inc., Canada  
2301 Royal Windsor Drive, Mississauga, ON L5J 1K5  
Telephone: +1 905 823 8377

#### 1.5. Emergency phone number

(866) 327 7829 :

### SECTION 2 Hazard Identification

#### 2.1. Classification of the substance or mixture

##### GHS US classification

Not applicable

#### 2.2. Label elements

##### GHS US labeling

No labeling applicable

#### 2.3. Hazards associated with known or reasonably anticipated uses

No additional information available

#### 2.4. Hazards not otherwise classified

Other hazards which do not result in classification : The ingredients of the product along with their associated hazards are given in Section 3. Due to the curing of many of the ingredients during manufacture of the product, the overall hazards of the product are not the same as a simple mixture of the ingredients would be. In most cases a greater hazard is posed by exposure to the dust/fumes produced from the material or paint/coatings being abraded. When using this product for grinding, dust may be generated if sufficient extraction is not provided. Most of the dust generated during grinding is from the base material that is being abraded and the potential hazard from this exposure must be evaluated. This dust may present a fire or dust explosion hazard and may present a serious health hazard. Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract.

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 2.5. Unknown acute toxicity

No additional information available

## SECTION 3 Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	GHS US classification
Film backing	-	10 - < 70	Not classified
Aluminum oxide	CAS-No.: 1344-28-1	5 - < 40 *	Not classified
Cured resin	-	10 - < 35	Not classified
Grip	-	5 - < 25	Not classified

\*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

Comments : \*This substance is bound in the polymer matrix. No exposure is expected during normal handling and use of the product.

Full text of hazard classes and H-statements : see section 16

## SECTION 4 First aid measures

### 4.1. Description of necessary first-aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). If exposed or concerned, get medical advice and attention.
First-aid measures after inhalation	: Remove person to fresh air and keep at rest in a position comfortable for breathing. If symptoms develop, obtain medical attention.
First-aid measures after skin contact	: Not required for normal conditions of use. If skin irritation occurs: Wash with plenty of soap and water. If symptoms develop, obtain medical attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Not expected to present a significant hazard under anticipated conditions of normal use. If swallowed, seek medical advice immediately and show this container or label.

### 4.2. Most important symptoms/effects, acute and delayed

Potential Adverse human health effects and symptoms	: Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. Most of the dust generated during grinding is from the base material that is being abraded and the potential hazard from this exposure must be evaluated.
---	---

### 4.3. Indication of immediate medical attention and special treatment needed, if necessary

Other medical advice or treatment	: Treat symptomatically.
-----------------------------------	--------------------------

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media	: Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing media	: None known.

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 5.2. Specific hazards arising from the chemical

- |  |   |
|--|---|
| Fire hazard                                      | : Not flammable.  |
| Explosion hazard                                 | : Dust from the base material being abraded may form an explosive mixture in air. |
| Hazardous decomposition products in case of fire | : Carbon monoxide. Carbon dioxide. Nitrogen oxides.                               |

### 5.3. Special protective equipment and precautions for fire-fighters

- |                                |   |
|--------------------------------|---|
| Firefighting instructions      | : Exercise caution when fighting any chemical fire.   |
| Protection during firefighting | : Do not enter fire area without proper protective equipment, including respiratory protection. |

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- |                  |   |
|------------------|---|
| General measures | : Avoid dust formation. Ventilate area. Use personal protective equipment (PPE). See Section 8. |
|------------------|---|

#### For non-emergency personnel

- |                      |   |
|----------------------|---|
| Emergency procedures | : Ventilate area. Avoid breathing dust. Avoid contact with eyes, skin and clothing. Evacuate unnecessary personnel. |
|----------------------|---|

#### For emergency responders

- |                      |   |
|----------------------|---|
| Protective equipment | : Use personal protective equipment as required. See Section 8.                     |
| Emergency procedures | : Ventilate area. Avoid breathing dust. Avoid contact with eyes, skin and clothing. |

- |                           |   |
|---------------------------|---|
| Environmental precautions | : Prevent entry to sewers and public waters. Notify authorities if large amounts of the product enters sewers or public waters. |
|---------------------------|---|

### 6.2. Methods and materials for containment and cleaning up

- |                         |   |
|-------------------------|---|
| Methods for cleaning up | : Pick up and arrange disposal without creating dust. |
|-------------------------|---|

For further information refer to section 8: "Exposure controls/personal protection", For disposal of solid materials or residues refer to section 13 : "Disposal considerations"

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- |                               |  |
|-------------------------------|--|
| Precautions for safe handling | : When using this product for grinding, dust may be generated if sufficient extraction is not provided. Most of the dust generated during grinding is from the base material that is being abraded and the potential hazard from this exposure must be evaluated. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Take precautionary measures against static discharge. Avoid dust formation. Provide appropriate exhaust ventilation at places where dust is formed. Avoid breathing dust. Avoid contact with skin, eyes and clothing. |
| Hygiene measures              | : Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Wash contaminated clothing before reuse.  |

### 7.2. Conditions for safe storage, including incompatibilities

- |                    |                                 |
|--------------------|---------------------------------|
| Storage conditions | : No special measures required. |
| Specific end uses  | : Abrasive product.             |

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### SECTION 8 Exposure controls/personal protection

#### 8.1. Control parameters

Performance Abrasives	
USA - OSHA - Occupational Exposure Limits	
Local name	Total Dust (Inert or Nuisance Dust)
OSHA PEL (TWA) (mg/m³)	15 mg/m³
OSHA PEL TWA	50 mppcf
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-3 Mineral Dusts
Aluminum oxide (1344-28-1)	
USA - OSHA - Occupational Exposure Limits	
Local name	alpha-Alumina
OSHA PEL (TWA) (mg/m³)	15 mg/m³ (Total dust) 5 mg/m³ (Respirable fraction)
Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1

Additional information : The above substances are the only constituents of the final product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits

#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Provide appropriate exhaust ventilation at places where dust is formed. Ensure exposure is below occupational exposure limits (where available).

Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures, such as personal protective equipment

##### Personal protective equipment:

Avoid all unnecessary exposure.

Hand protection:
In case of excessive dust production. Wear chemically resistant protective gloves. Gloves should be removed and replaced if there are any signs of degradation or breakthrough. The exact breakthrough time has to be found out by the manufacturer of the protective gloves and has to be observed. Most of the dust generated during grinding is from the base material that is being abraded and the potential hazard from this exposure must be evaluated. Hand Protection in accordance with 29 CFR 1910.138 & ANSI/ISEA 105-2016
Eye protection:
In case of dust production: protective goggles. Eye Protection in accordance with 29 CFR 1910.133 & ANSI/ISEA Z87.1-2020
Skin and body protection:
Long-sleeved protective clothing
Respiratory protection:
The exposure concentrations of all materials involved in the work process should be assessed. Consider material being abraded when determining the appropriate respiratory protection. Select and use appropriate respirators to prevent inhalation overexposure. Use a positive pressure supplied-air respirator if there is a potential for over exposure from an uncontrolled release, exposure levels are not known, or under any other circumstances where air-purifying respirators may not provide adequate protection. An exposure assessment may be needed to decide if a respirator is required. If a respirator is needed, use respirators as part of a full respiratory protection program. Based on the results of the exposure assessment, select from the following respirator type(s) to reduce inhalation exposure: Half facepiece or full facepiece air-purifying respirator suitable for particulates. Consult with respirator manufacturer to determine respirator selection, use and limitations.

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### Thermal hazard protection:

Not required for normal conditions of use.

### Other information:

Handle in accordance with good industrial hygiene and safety procedures. Do not eat, drink or smoke during use.

## SECTION 9 Physical and chemical properties

### 9.1. Basic physical and chemical properties

Physical state	: Solid
Color	: Various colours
Odor	: Odorless
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: Not applicable
Boiling point	: Not applicable
Flash point	: Not applicable
Flammability (solid, gas)	: Not flammable.
Vapor pressure	: Not applicable
Relative vapor density at 20°C	: No data available
Relative density	: No data available
Solubility	: Water: Insoluble
Log Pow	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: Not applicable
Viscosity, dynamic	: Not applicable
Explosion limits	: No data available
Explosive properties	: Not explosive.
Oxidizing properties	: Not oxidizing.
Particle characteristics	: No data available

### 9.2. Data relevant with regard to physical hazard classes (supplemental)

No additional information available

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Stable under recommended handling and storage conditions (see section 7).

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

Dust from the base material being abraded may form an explosive mixture in air.

### 10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Dust formation.

### 10.5. Incompatible materials

None known.

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 10.6. Hazardous decomposition products

Fire may produce irritating, corrosive and/or toxic gases.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified  
Acute toxicity (dermal) : Not classified  
Acute toxicity (inhalation) : Not classified

#### Aluminum oxide (1344-28-1)

LD50 oral, rat	> 10000 mg/kg body weight - 96 Hours (OECD 403 method)
LC50 inhalation, rat (Dust/Mist - mg/l/4h)	> 2.3 mg/l - 4 Hours (OECD 403 method)

Skin corrosion/irritation : Not classified  
  
Serious eye damage/irritation : Not classified  
  
Respiratory or skin sensitization : Not classified  
Germ cell mutagenicity : Not classified  
  
Carcinogenicity : Not classified  
  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

#### Performance Abrasives

Viscosity, kinematic	Not applicable
----------------------	----------------

Potential Adverse human health effects and symptoms : Dust may cause mechanical irritation of the eyes, skin and upper respiratory tract. Most of the dust generated during grinding is from the base material that is being abraded and the potential hazard from this exposure must be evaluated.

## SECTION 12 Ecological information

### 12.1. Ecotoxicity

Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### 12.2. Persistence and degradability

#### Performance Abrasives

Persistence and degradability	Not readily biodegradable.
-------------------------------	----------------------------

#### Aluminum oxide (1344-28-1)

Persistence and degradability	Not relevant for inorganic substances.
-------------------------------	--

#### Cured resin

Persistence and degradability	Not expected to be readily biodegradable.
-------------------------------	---

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Grip	
Persistence and degradability	Not expected to be readily biodegradable.

Film backing	
Persistence and degradability	Not rapidly degradable

### 12.3. Bioaccumulative potential

Performance Abrasives	
Bioaccumulative potential	Low bioaccumulation potential.

### 12.4. Mobility in soil

Performance Abrasives	
Ecology – soil	Insoluble in water.

Aluminum oxide (1344-28-1)	
Ecology – soil	Insoluble in water.

### 12.5. Other adverse effects

Ozone	: Not classified
Fluorinated greenhouse gases	: No
Other information	: Avoid release to the environment.

## SECTION 13 Disposal considerations

Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations.
Ecology - waste materials	: Avoid release to the environment.

## SECTION 14 Transport information

In accordance with DOT / TDG / IMDG / IATA

### 14.1. UN number

Not regulated for transport

### 14.2. UN Proper Shipping Name

Proper Shipping Name (DOT)	: Not regulated
Proper Shipping Name (TDG)	: Not regulated
Proper Shipping Name (IMDG)	: Not regulated
Proper Shipping Name (IATA)	: Not regulated

### 14.3. Transport hazard class(es)

<b>DOT</b>	
Transport hazard class(es) (DOT)	: Not regulated

<b>TDG</b>	
Transport hazard class(es) (TDG)	: Not regulated

<b>IMDG</b>	
Transport hazard class(es) (IMDG)	: Not regulated

# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### IATA

Transport hazard class(es) (IATA) : Not regulated

### 14.4. Packing group

Packing group (DOT) : Not regulated  
Packing group (TDG) : Not regulated  
Packing group (IMDG) : Not regulated  
Packing group (IATA) : Not regulated

### 14.5. Environmental hazards

Other information : No supplementary information available.

### 14.6. Transport in bulk

Not applicable

### 14.7. Special precautions for user

#### DOT

Not regulated

#### TDG

Not regulated

#### IMDG

Not regulated

#### IATA

Not regulated

## SECTION 15 Regulatory information

### 15.1. Federal regulations

This product is an article as defined by TSCA regulations, and is exempt from TSCA Inventory listing requirements

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

Aluminum oxide	CAS-No. 1344-28-1	5 - < 40 *%
----------------	-------------------	-------------

### 15.2. International regulations

#### CANADA

##### Aluminum oxide (1344-28-1)

Listed on the Canadian DSL (Domestic Substances List)

#### EU-Regulations

No additional information available

#### National regulations

##### Aluminum oxide (1344-28-1)

Listed on INSQ (Mexican National Inventory of Chemical Substances)



# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

### 15.3. State regulations

Component	State or local regulations
Aluminum oxide(1344-28-1)	U.S. - Massachusetts - Right To Know List; U.S. - New Jersey - Right to Know Hazardous Substance List; U.S. - Pennsylvania - RTK (Right to Know) List

### SECTION 16 Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date : 2/11/2025  
Data sources : US OSHA HazCom (GHS) 25 May 2012. Supplier Safety Data Sheet.  
Other information : None.

#### Abbreviations and acronyms

	ATE (Acute Toxicity Estimate)
	BCF (Bioconcentration Factor/Bioconcentration factor)
	CAS (Chemical Abstracts Service) number
	EC (European Community)
	EC50 (Effective Concentration 50%)
	EN (European Norm)
	IARC (International Agency for Research on Cancer)
	IATA (International Air Transport Association)
	IMDG (International Maritime Dangerous Goods Code)
	IMO (International Maritime Organisation)
	LC50 (Lethal Concentration 50%)
	LD50 (Lethal Dose 50%)
	OECD (Organisation for Economic Co-operation and Development)
	PBT (Persistent, Bioaccumulative and Toxic)
	QSAR (Quantitative Structure-Activity Relationship)
	STEL (Short Term Exposure Limit)
	TLV (Threshold Limit Value) (ACGIH)
	TSCA (Toxic Substances Control Act) (US)
	TWA (Time Weighted Average)
	UNxxxx (Number assigned by the United Nations Committee of Experts on the Transport of Dangerous Goods)

NFPA health hazard

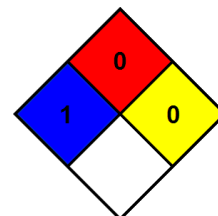
: 1 - Materials that, under emergency conditions, can cause significant irritation.

NFPA fire hazard

: 0 - Materials that will not burn under typical fire conditions, including intrinsically noncombustible materials such as concrete, stone, and sand.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



# Performance Abrasives Purple Line

## Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

---

Hazard Rating	
Health	: 1 Slight Hazard - Irritation or minor reversible injury possible : * - Chronic (long-term) health effects may result from repeated overexposure
Flammability	: 0 Minimal Hazard - Materials that will not burn
Physical	: 0 Minimal Hazard - Materials that are normally stable, even under fire conditions, and will NOT react with water, polymerize, decompose, condense, or self-react. Non-Explosives.
Personal protection	: E - Safety glasses, Gloves, Dust respirator

All rights reserved. Copying and/or downloading of this information/document for the purpose of properly utilizing or obtaining information regarding products by Mirka Ltd is allowed provided that the information is copied and retrieved in full with no changes or modifications unless prior written permission is obtained from Mirka Ltd, and neither the copy nor the original is resold or otherwise distributed with the intention of earning a profit thereon. In case a modified or signed copy of this information/document is needed for your purposes, please contact Mirka Ltd for obtaining such.

Disclaimer: The information provided in this document related to material content and/or composition and/or instructions regarding use or application of product(s) by Mirka Ltd represents Mirka Ltd's knowledge, understanding and belief, which may be based in whole or in part on information provided to Mirka Ltd by suppliers of Mirka Ltd and is believed to be correct at the time publishing this information/document. However, due to the possibility that electronic transfer of this information/document may have resulted in errors, omissions or alterations in this information or information provided to Mirka may be incomplete, Mirka Ltd makes no representations as to its completeness or accuracy. This information/document is intended to answer commonly asked questions about product(s) in question by Mirka Ltd and is not intended to be a comprehensive listing of all substances or materials that may be of interest or that may be regulated in or for this or other products by Mirka Ltd, nor is it intended to be a comprehensive summary of any and all regulations that may apply to this product. Where substances or materials are listed, their listing does not constitute or intend to constitute a judgment as to their safety, environmental or health impacts. Information is supplied upon the condition that the persons receiving the same will make their own determination as to its suitability for their purposes prior to use or application of the product and will follow any given instructions of use where made available by Mirka Ltd. Customers are encouraged to consult with legal and regulatory experts to determine applicable regulations in light of intended use of the product and contact Mirka Ltd in case of questions regarding the product. To the maximum extent permitted by law, Mirka Ltd MAKES NO WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR COURSE OF PERFORMANCE OR USAGE OF TRADE.

Limitation of Remedies and Liability: In the event any product by Mirka Ltd is proven not to conform with the information in this document, then to the maximum extent permitted by law, Mirka Ltd's entire liability and customer's exclusive remedy, will be at Mirka Ltd's option and choice either replacement of the product in question with a conforming product or refund of the purchase price paid by the customer for each non-conforming product, within a reasonable time after written notification of the said non-conformance and return of the said product to Mirka Ltd. Mirka Ltd reserves the right to inspect the product for claimed non-conformance when needed. Mirka Ltd shall not under any circumstances be liable for indirect, incidental, special, or consequential damages (including but not limited to loss of profits, revenue, or business) related to or arising out of this certification, including, the use, misuse or inability to use the product. Unless stated otherwise in writing, the foregoing language cannot be waived, modified, or supplemented in any manner whatsoever.