

Porox / Resipox

Section 1. Identification

Common name: Porox / Resipox

Product Code: Grit 16 to 1500

Synonym: Not applicable

Material uses: Polishing tool with polypropylene base.

Supplier / Manufacturer:

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Section 2. Hazards identifications

Classification:

Not regulated *

* When tools are not used, they are not considered dangerous. The product is composed of polymerized resin. The danger comes from abrasion operations. The product is used with cooling water. If the tools are used in dry conditions, abrasion dust may be irritating to the skin and respiratory tract in case of lung sensitivity. Coolants carry suspended particles which can be irritating to the skin in case of skin sensitivity.

Signal word: None

Hazard statements: None

Precautionary statements: None

Section 3. Composition and information on ingredients

Name	CAS	Concentration %
Silicon carbide	409-21-2	7 - 13
Aluminum oxide	1344-28-1	7 - 13

Section 4. First aid measures

Description of first aid if required:

Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

Eye contact:

If irritation develops after the exposure to the abrasion particles and/or abrasion fluids, immediately rinse the eyes with a lot of water

Skin contact:

If irritation develops after the exposure to the abrasion particles and/or abrasion fluids, get medical help immediately.

Inhalation:

If irritation develops after exposure to abrasion particles and/or abrasion fluids. Get medical help immediately.

Ingestion:

Highly improbable. If however the product is ingested, DO NOT induce vomiting. Get medical help immediately.

Indication of immediate medical attention and special treatment needed, if necessary:

Do not give anything by mouth to an unconscious victim.

Most important acute symptoms and effects:

Abrasion particles can irritate the eyes. Irritating to skin in case of skin sensitivity. Not likely to be ingested, but possible in cases of poor industrial hygiene, abrasion particles can irritate the gastric tract. Unlikely for inhalation, but possible if product is used without cooling water. Abrasion dust can irritate the respiratory tract.

Section 5. Fire fighting measures

Flammability of the product:

The polypropylene base may ignite or melt at very high temperatures.

Flash point:

N/A

Auto-ignition temperature:

N/A

Products of combustion:

Carbon oxides

Special protective actions for fire-fighters:

Wear self-contained breathing apparatus and appropriate protective clothing.

Suitable extinguishing media:

Use means of extinction the most suited to the surrounding materials.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:

For non emergency personnel: Not applicable

For emergency personnel: Not applicable

Environmental precautions:

Not applicable

Methods and material for containment and cleaning up:

Use appropriate tools to put the spilled solid in a convenient waste disposal container.

Section 7. Handling and storage

Precautions in Handling:

Follow the usual safety standards during abrasion operations to avoid mechanical damage from abrasive particles.

Precautions in Storage:

Keep container tightly closed in a cool, dry and well-ventilated place.

Section 8. Exposure Controls, Personal Protections

Control parameters:

Component	CAS	Value	Control parameters	Basis
Silicon carbide	409-21-2	TWA	10 mg/m ³	NIOSH
		TWA	5 mg/m ³ (inhalable fraction)	NIOSH
		TWA	15 mg/m ³	OSHA
		TWA	5 mg/m ³ (inhalable fraction)	OSHA
aluminum oxide	1344-28-1	TWA	5 mg/m ³ (inhalable fraction)	OSHA
		TWA	10 mg/m ³	ACGIH
		TWA	15 mg/m ³	OSHA

Engineering controls:

Use with water to cool and clean the stone.

Personal protective equipment:

Eyes: Wear safety glasses.

Skin/body: Wear a lab coat or any other appropriate protective clothing.

Respiratory: If ventilation is insufficient, choose appropriate respiratory protection according to levels and duration of exposure.

Hands: Wear chemical resistant protective gloves.

Section 9. Physical and chemical properties

Physical state: Solid

Color: Variable according to components

Odour: Not available

Melting point/Freezing point: Data not available

Boiling point: Data not available

Appearance: Solid

Flash point: Data not available

Auto-ignition temperature: Data not available

pH: Data not available

Solubility: Not applicable

Density: Data not available

Section 10. Stability and reactivity

Chemical reactivity: Stable under normal conditions of use and storage.

Possibility of hazardous reactions: Under normal conditions of storage and use, no dangerous reaction does not occur.

Reactivity conditions: None

Incompatible materials: None

Hazardous decomposition products: None known

Section 11. Toxicological information

Acute toxicity:

Component	CAS	Value
aluminum oxide	1344-28-1	DL ₅₀ Oral: Rat > 3600 mg/kg

Skin corrosion/irritation:

Not applicable

Serious eye damage/irritation:

Not applicable

Respiratory or skin sensitisation:

Not applicable

Gem cell mutagenicity:

Not applicable

Carcinogenicity:

Not applicable

Reproductive toxicity:

Not applicable

STOT- Single exposure:

Not applicable

STOT- repeated exposure:

Not applicable

Aspiration hazard:

Not applicable

Information on likely route of exposure:

Not applicable

Section 12. Ecological information

Ecological data for aquatic environments:

Data not available

Persistence and degradability:

Data not available

Bioaccumulative potential:

Data not available

Mobility in soil:

Data not available

Other adverse effects:

Data not available

Section 13. Disposal considerations

Waste disposal:

Dispose of the chemical waste in conformity with the federal, provincial and local laws.

Section 14. Transportation information

No TDG/DOT/IMDG/IATA Classification

Section 15. Regulatory information

NFPA Classification:



Health: 0
Flammable: 0
Reactivity: 0
Specials conditions: 0

Legend: 4: Severe, 3: High, 2: Moderate, 1: Slightly, 0: Not hazardous

U.S. Federal regulations

SARA section 313 (specific toxic chemical listings) : No ingredient listed

California proposition 65 requirements: No ingredient listed

Section 16. Additional information

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Elaborated by:

Toxyscan inc.

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Références:

- *Répertoire toxicologique of la Commission des normes, de l'équité, de la santé et de la sécurité du travail.*
- *Registry of Toxic effects of Chemical Substances of the Canadian Centre for Occupational Health and Safety.*
- *Material safety data sheet from the manufacturer.*
- *Hazardous Products Regulations (DORS/2015-17).*
- *Canadian Transport of Dangerous Goods.*
- *The Globally Harmonized System of Classification and Labelling of Chemicals (GHS) <http://www.hc-sc.gc.ca/a>*