



Material Safety Data Sheet

Revision Date
15-Aug-2005

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code 29005
Product name Abrasive Cord 52
Recommended Use Abrasive

Supplier Lawson Products, Inc.
1666 East Touhy Avenue
Des Plaines, IL 60018
(847)-827-9666

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview
Irritant.

Aggravated Medical Conditions
Pre-existing lung disorders.

Principal Routes of Exposure
Eyes. Inhalation.

Potential health effects

Eyes Avoid contact with eyes. Contact with eyes may cause irritation.

Skin No adverse affects expected.

Inhalation May cause irritation to the mucous membranes. Chronic overexposure can cause: . May cause irritation to the lungs. Shortness of breath. Chest discomfort. Immediate dryness. Fatigue.

Ingestion No information available

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Silicon Dioxide - hydrated	7631-86-9	0-1
Iron Oxide	1309-37-1	0-5
Aluminum Oxide	1344-28-1	96-100
Titanium dioxide	13463-67-7	0-4

4. FIRST AID MEASURES

Eye contact Flush eyes immediately with large amounts of water. Seek medical attention if irritation persists.

Skin contact Wash off immediately with soap and plenty of water. Remove contaminated clothing. Seek medical attention if irritation persists.

Ingestion Do not induce vomiting without medical advice. Vomiting may cause aspiration pneumonia. Seek medical attention.

Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary. Seek medical attention.

5. FIRE FIGHTING MEASURES

Flash point °C No data available
Flash point °F No data available
Method No information available

Autoignition temperature °C No data available
Autoignition temperature °F No data available

Flammability Limits (% in Air)
Upper No data available
Lower No data available

Suitable extinguishing media

Product is nonflammable. Use extinguishing media appropriate to surrounding fire.

Special protective equipment for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

Sensitivity to shock

No information available.

Sensitivity to static discharge

No information available.

6. ACCIDENTAL RELEASE MEASURES

Methods for cleaning up

Personnel should wear appropriate protective equipment. Follow all precautions for handling. Please refer to appropriate sections of MSDS for additional information. Avoid dust formation. Use dry clean up methods that do not disperse dust into the air. Vacuum dust with equipment fitted with a HEPA filter. Dispose of absorbent in accordance with local, state and federal regulations.

7. HANDLING AND STORAGE

Handling

Ensure adequate ventilation.

Storage

Keep container tightly closed.

Boiling point/range °C	3500
Boiling point/range °F	6332
Melting point/range °C	2000
Melting point/range °F	3632
Flash point °F	No data available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Aluminum Oxide	15 mg/m ³ total dust 5 mg/m ³ respirable fraction	-	10 mg/m ³ particulate matter containing no asbestos and < 1% crystalline silica	-
Titanium dioxide	15 mg/m ³ total dust	-	10 mg/m ³	-
Silicon Dioxide - hydrated	15 mg/m ³ (total dust), 5 mg/m ³ (respirable fraction)	10 ppm	10 mg/m ³ (total dust)	ND
Iron Oxide	10 mg/m ³	-	1 mg/m ³ as Fe 5 mg/m ³ dust and fume, as Fe	-

Ventilation and Environmental Controls

Use enough ventilation, local exhaust at the work area, or both, to keep below the TLV's in the worker's breathing zone and the general area.

Hygiene measures

Handle in accordance with good industrial hygiene and safety practice.

Respiratory protection

To avoid excessive inhalation of dusts, a respirator is recommended.

Hand protection

Protective gloves.

Eye protection

Safety glasses are recommended if dusts are created.

Skin and body protection

Lightweight protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Solid
Color	Brown
Odor	None
Odor Threshold	No information available
pH	No data available
Specific Gravity	3.97
Vapor pressure	No data available
Vapor density	No data available
Evaporation Rate	No data available
Water solubility	Insoluble
Partition Coefficient (n-octanol/water)	No data available

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

Do not store or use near incompatible materials.

Materials to avoid

No information available

Hazardous decomposition products

No information available

Polymerization

Will not occur.

11. TOXICOLOGICAL INFORMATION

Component Information

Chemical Name	LD50 (oral,rat)	LD50 (dermal,rat/rabbit)	LC50 (inhalation,rat)
<i>Aluminum Oxide</i> 1344-28-1	5000 mg/kg	-	-
<i>Titanium dioxide</i> 13463-67-7	10000 mg/kg	-	-
<i>Silicon Dioxide - hydrated</i> 7631-86-9	5000 mg/kg	2000 mg/kg	-
<i>Iron Oxide</i> 1309-37-1	984 mg/kg 10000 mg/kg	-	-

Synergistic Products

No information available

Potential health effects**Sensitization**

No information available.

Chronic toxicity

No information available.

Mutagenic effects

No information available.

Teratogenic effects

No information available

Reproductive toxicity

No information available

Target Organ Effects

No information available

Carcinogenic effects

See table below

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Aluminum Oxide	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Titanium dioxide	A4 - Not Classifiable as a Human Carcinogen	Not Listed	Not Listed	Not Listed	Not Listed
Silicon Dioxide - hydrated	Not Listed	Not Listed	Not Listed	Not Listed	Not Listed
Iron Oxide	A4 - Not Classifiable as a Human Carcinogen (dust and fume)	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION

No Information Available

13. DISPOSAL CONSIDERATIONS**Waste from residues / unused products**

Dispose in accordance with federal, state, and local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

IMDG/IMO

Not Regulated

IATA

Not Regulated

MEX

Not Regulated

15. REGULATORY INFORMATION

Chemical Name	US EPA SARA 313 Emission Reporting
Aluminum Oxide	Listed

Chemical Name	New Jersey - RTK	Pennsylvania - RTK
Aluminum Oxide	Not Listed	Listed
Titanium dioxide	Not Listed	Listed
Silicon Dioxide - hydrated	Listed	Listed
Iron Oxide	Not Listed	Listed Listed

Chemical Name	EINECS	DSL	NDSL	TSCA
Aluminum Oxide	X	X	-	X
Titanium dioxide	X X X	X	-	X
Silicon Dioxide - hydrated	X	X	-	X
Iron Oxide	X X	X	-	X

CPRC

This product has been classified in accordance with the hazard criteria of the Controlled Product Regulations and the MSDS contains all of the information required by the Controlled Product Regulations

16. OTHER INFORMATION**NFPA**

Health - 0
Flammability - 0
Reactivity - 0

Prepared By

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The information accumulated herein is believed to be accurate, but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.