

Safety Data Sheet: ALUMINUM OXIDE SANDING DISK

Supersedes Date 05/11/2012

Issuing Date 12/20/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name ALUMINUM OXIDE SANDING DISK

Recommended use Abrasive

Information on Manufacturer

Trust-X by Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code 87880000

Chemical nature Inorganic solid blend

Emergency Telephone Number

CHEMTREC® 800-424-9300

Telephone inquiry

972-579-2477

2. HAZARD IDENTIFICATION

Color Black

Physical State Solid

Odor Odorless

GHS

Classification

Physical Hazards

None

Health Hazard

Acute Oral Toxicity

Serious Eye Damage/Eye Irritation

Specific target organ systemic toxicity (repeated exposure)

Chronic Aquatic Toxicity

Other hazards

None

Category 4

Category 2B

Category 2

Category 3

Labeling

Signal Word

WARNING



Precautionary Statements

P270 - Do not eat, drink or smoke when using this product

P264 - Wash face, hands and any exposed skin thoroughly after handling.

P271 - Use in a well-ventilated area.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 - If eye irritation persists, get medical attention.

P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.

P273 - Avoid release to the environment

90 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Silicon carbide (nonfibrous)	409-21-2	30-60
Phenyl Formaldehyde	9003-35-4	15-30
Calcium carbonate	1317-65-3	1-5
Sodium aluminum fluoride	15096-52-3	1-5
Calcium stearate	1592-23-0	0.5-1

4. FIRST AID MEASURES

General advice

Avoid contact with skin, eyes and clothing. Avoid breathing dust.

Eye Contact

Do not rub your eyes. Rinse thoroughly with plenty of water, also under the eyelids. If eye irritation persists, consult a specialist.

Skin Contact	Get medical attention if irritation develops and persists.
Inhalation	Have the person blow their nose to remove the substance from nasal passages and keep from inhaling further . Get medical attention if symptoms occur.
Ingestion	Rinse mouth.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point	The product is not flammable	Method	Not applicable
Upper	No data available	Lower	No data available
Suitable Extinguishing Media	Carbon dioxide (CO2). Dry chemical. Foam. Water spray.		
Specific hazards arising from the chemical	Dust can form an explosive mixture in air.		
Protective Equipment and Precautions for Firefighters	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.		
NFPA	Health 1	Flammability 0	Instability 0
HMIS	Health 1	Flammability 0	Instability 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.
Environmental Precautions	Do not flush into surface water or sanitary sewer system.
Methods for Containment	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up	Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Neutralizing Agent	Not applicable.

7. HANDLING AND STORAGE

Handling	Avoid contact with skin, eyes and clothing. Handle and store in accordance with ANSI Standard B7.1.			
Storage	Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place.			
Storage Temperature	Minimum	No information available	Maximum	No information available
Storage Conditions	Indoor	X	Outdoor	Heated
				Refrigerated

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Silicon carbide (nonfibrous)	TWA: 10 mg/m ³ TWA: 3 mg/m ³ TWA: 0.1 fiber/cm ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Phenyl Formaldehyde	No data available	No data available	No data available
Calcium carbonate	No data available	TWA: 15 mg/m ³ TWA: 5 mg/m ³	TWA: 10 mg/m ³ TWA: 5 mg/m ³
Sodium aluminum fluoride	TWA: 2.5 mg/m ³	TWA: 2.5 mg/m ³	IDLH: 250 mg/m ³ TWA: 2.5 mg/m ³
Calcium stearate	TWA: 10 mg/m ³	No data available	No data available

Engineering Measures	Provide appropriate exhaust ventilation at places where dust is formed.
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	Leather gloves
Respiratory Protection	Wear a MSHA/NIOSH approved respirator if exposure limits are exceeded or where dust exposure are excessive .
General Hygiene Considerations	Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Viscosity	Not applicable
Color	Black	Odor	Odorless

Odor Threshold	Not applicable	Appearance	Textured black paste
pH	Not applicable	Specific Gravity	> 1
Evaporation Rate	Not applicable	Percent Volatile (Volume)	No information available
VOC Content (%)	Not applicable	Vapor Pressure	Not applicable
Vapor Density	Not applicable	Solubility	Insoluble
n-Octanol/Water Partition	No data available	Melting Point/Range	400 - 500 °F / 204 - °C
Decomposition Temperature	No data available	Boiling Point/Range	Not applicable
Flammability (solid, gas)	No data available		
Flash Point	The product is not flammable	Method	Not applicable
Autoignition Temperature	No information available.		
Upper No data available Lower	No data available		

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions.
Conditions to Avoid	Keep away from open flames, hot surfaces, and sources of ignition
Incompatible Products	Strong oxidizing agents, Acids.
Hazardous Decomposition Products	Traces of, Carbon oxides, Hydrogen cyanide, Ammonia, Aldehydes.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	500.00
Dermal LD50	No information available
Inhalation LC50	
Gas	4,500.00
Mist	1.50
Vapor	No information available

Principle Route of Exposure	Inhalation
Primary Routes of Entry	Inhalation

Acute Effects

Eyes Dust may cause abrasive injury to the eye seen as stinging, tearing, redness, or scratching of the cornea .

Skin Excessive contact may cause mechanical irritation seen as itching and redness .

Inhalation Prolonged exposure to grinding dust may cause upper respiratory problems or aggravate existing conditions . The dust generated during the use of this product is classified by OSHA as inert dust or nuisance dust and has the same pulmonary effects of inert dust with symptoms that may include soreness of the nose and throat, coughing and sneezing . Inhalation may cause central nervous system effects. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Ingestion Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Toxicity Most of the dust generated during the sanding is from the base material being worked and the potential hazard from this exposure must be evaluated . Long term overexposure to respirable dust may cause lung damage (fibrosis) with symptoms of coughing, shortness of breath and diminishing breath capacity. Repeated contact may cause allergic reactions in very susceptible persons. Prolonged exposure to elevated noise levels during operations may affect hearing . For products containing Phenol and Formaldehyde which under excessive exposure may cause skin sensitization and airway obstruction .

Target Organ Effects Respiratory system, skeletal system, Eyes, Skin, Kidney, Central nervous system.

Aggravated Medical Conditions Respiratory disorders, Kidney disorders, Central nervous system, Skin disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Silicon carbide (nonfibrous)	no data available	no data available	no data available	no data available	no data available
Phenyl Formaldehyde	no data available	no data available	no data available	no data available	no data available
Calcium carbonate	= 6450 mg/kg (Rat)	no data available	no data available	no data available	no data available
Sodium aluminum fluoride	> 5 g/kg (Rat)	no data available	no data available	no data available	no data available
Calcium stearate	no data available	no data available	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Silicon carbide (nonfibrous)	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Phenyl Formaldehyde	no data available	no data available	no data available	no data available	no data available
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Sodium aluminum fluoride	no data available	no data available	no data available	no data available	eyes, CNS, respiratory

					system,skeleton,kidneys,skin
Calcium stearate	no data available	no data available	no data available	no data available	no data available

Carcinogenicity

Component	ACGIH	IARC	NTP	OSHA	Other
Silicon carbide (nonfibrous)	A2	not applicable	not applicable	not applicable	not applicable
Phenyl Formaldehyde	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium carbonate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium aluminum fluoride	not applicable	not applicable	not applicable	not applicable	not applicable
Calcium stearate	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Silicon carbide (nonfibrous)	no data available	no data available	no data available	no data available	N/A
Phenyl Formaldehyde	no data available	no data available	no data available	no data available	N/A
Calcium carbonate	no data available	no data available	no data available	no data available	N/A
Sodium aluminum fluoride	no data available	no data available	no data available	no data available	N/A
Calcium stearate	no data available	no data available	no data available	no data available	N/A

Persistence and Degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

13. DISPOSAL CONSIDERATIONS**Product Disposal**

Dispose of in accordance with local regulations.

Container Disposal

Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT	Not regulated
TDG	Not regulated
ICAO	Not regulated
IATA	Not regulated
IMDG/IMO	Not regulated

15. REGULATORY INFORMATION**Inventories****TSCA**

Complies

DSL

Complies

U.S. Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Silicon carbide (nonfibrous)	Not applicable	Not applicable
Phenyl Formaldehyde	Not applicable	Not applicable
Calcium carbonate	Not applicable	Not applicable
Sodium aluminum fluoride	Not applicable	Not applicable
Calcium stearate	Not applicable	Not applicable

16. OTHER INFORMATION

Prepared By	Don Stewart
Supersedes Date	05/11/2012
Issuing Date	12/20/2013
Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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