

Safety Data Sheet: DIE GRINDER CUT-OFF WHEELS

Supersedes Date Not applicable

Issuing Date 05/30/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name DIE GRINDER CUT-OFF WHEELS**Recommended use** Abrasive**Information on Manufacturer**

Partsmaster, Div of NCH Corp.

P.O. Box 655326

Dallas, TX 75265-5326

Product Code 08173000**Chemical nature** Inorganic solid blend**Emergency Telephone Number**

CHEMTREC® 800-424-9300

2. HAZARD IDENTIFICATION

Color Black**Physical State** Solid**Odor** Odorless**GHS****Classification**Physical Hazards

None

Health Hazard

Serious Eye Damage/Eye Irritation

Carcinogenicity

Specific target organ systemic toxicity (repeated exposure)

Chronic Aquatic Toxicity

Other hazards

None

Category 2B

Category 2

Category 2

Category 3

LabelingSignal Word**WARNING**Hazard Statements

H320 - Causes eye irritation

H351 - Suspected of causing cancer

H373 - May cause damage to organs through prolonged or repeated exposure

H412 - Harmful to aquatic life with long lasting effects

Precautionary Statements

P201 - Obtain special instructions before use

P202 - Do not handle until all safety precautions have been read and understood

P260 - Do not breathe dust

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

P281 - Use personal protective equipment as required

P314 - Get medical attention/advice if you feel unwell

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.

P308 + P313 - IF exposed or concerned: Get medical attention/advice

P405 - Store locked up

P273 - Avoid release to the environment

P501 - Dispose of contents and container to an approved waste disposal plant.

75 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Aluminum oxide	1344-28-1	60-100
Silicon carbide	409-21-2	30-60
Calcium silicate	1344-95-2	10-30
Sodium aluminum fluoride	15096-52-3	5-10
Fiberglass	65997-17-3	5-10
Carbon Black	1333-86-4	1-5
Phenol-formaldehyde resin - cured	NONE	1-5

4. FIRST AID MEASURES

General advice	No information available
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes
Inhalation	Move to fresh air
Ingestion	Clean mouth with water and afterwards drink plenty of water
Notes to physician	Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flash Point	Not applicable	Method	Seta closed cup
Upper	No data available	Lower	No data available
Suitable Extinguishing Media			
Carbon dioxide (CO ₂). Dry chemical. Foam. Water spray.			
Specific hazards arising from the chemical			
The product causes burns of eyes, skin and mucous membranes			
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.
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
Aluminum oxide	TWA: 1 mg/m ³	TWA: 15 mg/m ³ TWA: 5 mg/m ³	No data available
Silicon carbide	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
Calcium silicate	TWA: 10 mg/m ³	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
Fiberglass	TWA: 1 fiber/cm ³ TWA: 5 mg/m ³	No data available	No data available
Carbon Black	TWA: 3 mg/m ³	TWA: 3.5 mg/m ³	IDLH: 1750 mg/m ³ TWA: 3.5 mg/m ³ TWA: 0.1 mg/m ³
Phenol-formaldehyde resin - cured	No data available	No data available	No data available

Engineering Measures	Ensure adequate ventilation, especially in confined areas
Personal Protective Equipment	
Eye/Face Protection	Safety glasses with side-shields.
Skin Protection	For prolonged or repeated contact, use protective gloves with appropriate chemical resistance.
Respiratory Protection	In case of insufficient ventilation wear suitable respiratory equipment
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid	Viscosity	No information available
Color	Black	Odor	Odorless
Odor Threshold	Not applicable	Appearance	No information available
pH	Not applicable	Specific Gravity	2-4
Evaporation Rate	No information available	Percent Volatile (Volume)	No information available
VOC Content (%)	No information available	Vapor Pressure	No information available
Vapor Density	No information available	Solubility	No information available
n-Octanol/Water Partition	No data available	Melting Point/Range	No data available
Decomposition Temperature	No data available	Boiling Point/Range	Not applicable
Flammability (solid, gas)	No data available		
Flash Point	Not applicable	Method	Seta closed cup
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	None known
Incompatible Products	No materials to be especially mentioned
Hazardous Decomposition Products	None under normal use
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	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available

Principle Route of Exposure	None reasonably foreseeable
Primary Routes of Entry	None known
Acute Effects	
Eyes	May cause slight irritation
Skin	Substance may cause slight skin irritation
Inhalation	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	No information available
Target Organ Effects	Central nervous system, Kidney, Respiratory system, skeletal system.
Aggravated Medical Conditions	Central nervous system, Kidney disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Aluminum oxide	> 5000 mg/kg (Rat)	no data available	no data available	no data available	no data available
Silicon carbide	no data available	no data available	no data available	no data available	no data available
Calcium silicate	= 3400 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
Fiberglass	no data available	no data available	no data available	no data available	no data available
Carbon Black	> 15400 mg/kg (Rat)	> 3 g/kg (Rabbit)	no data available	no data available	no data available
Phenol-formaldehyde resin - cured	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
Aluminum oxide	no data available	no data available	no data available	no data available	eyes,respiratory system,skin
Silicon carbide	no data available	no data available	no data available	no data available	eyes,respiratory system,skin
Calcium silicate	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,s
Fiberglass	no data available	no data available	no data available	no data available	no data available
Carbon Black	no data available	no data available	no data available	no data available	eyes,respiratory system

Phenol-formaldehyde resin - cured	no data available	no data available	no data available	no data available	no data available
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Carcinogenicity

The table below indicates whether each agency has listed any ingredient as a carcinogen.

Component	ACGIH	IARC	NTP	OSHA	Other
Aluminum oxide	not applicable	not applicable	not applicable	not applicable	not applicable
Silicon carbide	A2	not applicable	not applicable	not applicable	not applicable
Calcium silicate	not applicable	not applicable	not applicable	not applicable	not applicable
Sodium aluminum fluoride	not applicable	not applicable	not applicable	not applicable	not applicable
Fiberglass	not applicable	not applicable	not applicable	not applicable	not applicable
Carbon Black	A3	Group 2B	not applicable	X	not applicable
Phenol-formaldehyde resin - cured	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
Aluminum oxide	no data available	no data available	no data available	no data available	N/A
Silicon carbide	no data available	no data available	no data available	no data available	N/A
Calcium silicate	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
Fiberglass	no data available	no data available	no data available	no data available	N/A
Carbon Black	no data available	no data available	no data available	EC50> 5600 mg/L 24 h	N/A
Phenol-formaldehyde resin - cured	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**

Does not Comply

DSL

Does not Comply

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

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Aluminum oxide	1344-28-1	60-100	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
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Yes	Yes	No	No	No
CERCLA				
Component	Hazardous Substances RQs	CERCLA EHS RQs		
Aluminum oxide	Not applicable	Not applicable		
Silicon carbide	Not applicable	Not applicable		
Calcium silicate	Not applicable	Not applicable		
Sodium aluminum fluoride	Not applicable	Not applicable		
Fiberglass	Not applicable	Not applicable		
Carbon Black	Not applicable	Not applicable		
Phenol-formaldehyde resin - cured	Not applicable	Not applicable		

U.S. State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Carbon Black	1333-86-4	carcinogen

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supersedes Date Not applicable
Issuing Date 05/30/2013
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

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