

Material Safety Data Sheet

Revision Date 31-Jan-2012

1. CHEMICAL PRODUCT AND COMPANY INFORMATION

Product code DN5580C
Product name Bedrock Aggregate
Recommended Use Repair Material

Supplier Drummond American
A Lawson Products Company
600 Corporate Woods Parkway
Vernon Hills, IL 60061
(847) 913-9313

Emergency telephone number (888) 426-4851

2. HAZARDS IDENTIFICATION

Emergency Overview

Product dust may be irritating to eyes, skin and respiratory system.

Aggravated Medical Conditions

Pre-existing skin, eye, or respiratory conditions may be aggravated by exposure to this product. Pre-existing lung disorders.

Principal Routes of Exposure

Inhalation.

Potential health effects

Eyes May cause the following effects: Irritation. Conjunctivitis.

Skin May cause the following effects: Dermatitis. Sensitization.

Inhalation May cause the following effects. Shortness of breath. It is believed by some investigators to affect pulmonary function. Respirable Crystalline Silica, (Quartz) can cause silicosis, a fibrous scarring of the lungs and possibly cancer. Repeated or prolonged exposure to respirable crystalline silica may cause chronic lung injury (silicosis). pulmonary fibrosis (scarring of the lungs).

Ingestion Toxic if swallowed.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Quartz (Crystalline Silica)	14808-60-7	60-100
Titanium dioxide	13463-67-7	1-5
Iron Oxide	1309-37-1	1-5

4. FIRST AID MEASURES

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician.

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

Ingestion Induce vomiting, but only if victim is fully conscious. Seek medical attention immediately. Never induce vomiting if the victim is unconscious or having convulsions.

Inhalation Remove to fresh air. Provide oxygen or artificial respiration if necessary. Consult a physician.

5. FIRE FIGHTING MEASURES

Flash point °C Not Applicable
Flash point °F Not Applicable
Method Not Applicable

Autoignition temperature °C Not Applicable
Autoignition temperature °F Not Applicable

Flammability Limits (% in Air)

Upper No data available
Lower No data available

Suitable extinguishing media

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

Avoid dust formation. Use dry clean up methods that do not disperse dust into the air.

7. HANDLING AND STORAGE

Handling

Avoid dust formation. Do not inhale dusts. Handle carefully to avoid damaging. Avoid vigorous shaking of bags.

Storage

No information available

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Chemical Name	OSHA PEL (TWA)	OSHA PEL (Ceiling)	ACGIH OEL (TWA)	ACGIH OEL (STEL)
Quartz (Crystalline Silica)	-	-	0.025 mg/m ³	-
Titanium dioxide	15 mg/m ³ total	-	10 mg/m ³	-
Iron Oxide	10 mg/m ³	-	5 mg/m ³	-

Ventilation and Environmental Controls

Adequate ventilation should be provided to keep exposure levels below current acceptable exposure limits. Exhaust to remove dusts.

Hygiene measures

Wash hands after handling the product. Regular cleaning of equipment, work area and clothing.

Respiratory protection

Follow OSHA respirator regulations (29 CFR 1910.134) and if necessary, wear a MSHA/NIOSH approved respirator. Use a NIOSH/MSHA approved respirator in dusty environments.

Hand Protection

Gloves are recommended in case of open wounds that are not appropriately protected.

Eye protection

Use safety eyewear designed to protect against impact.

Skin and body protection

None necessary under normal conditions

Environmental exposure controls

Avoid dust formation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form	Powder
Color	Dark grey
Odor	None
Odor Threshold	Not Applicable
pH	Not Applicable
Specific Gravity	> 1
Vapor pressure	Not Applicable
Vapor density	Not Applicable
Evaporation Rate	Not Applicable
Water solubility	Insoluble
Partition Coefficient (n-octanol/water)	Not Applicable
Boiling point/range °C	2204
Boiling point/range °F	4000
Melting point/range °C	1648
Melting point/range °F	3000
Flash point °C	Not Applicable
Flash point °F	Not Applicable

10. STABILITY AND REACTIVITY**Stability**

Stable.

Conditions to avoid

None known.

Incompatibility

Hydrofluoric acid. Strong oxidizing agents.

Hazardous Decomposition Products

None known.

Polymerization

Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION**Component Information**

Chemical Name	LD50 (oral, rat)	LD50 (dermal, rat/rabbit)	LC50 (inhalation, rat)
Quartz (Crystalline Silica) 14808-60-7	500 mg/kg	-	-
Titanium dioxide 13463-67-7	10000 mg/kg	-	-
Iron Oxide 1309-37-1	10000 mg/kg	-	-

Synergistic Products

None known

Potential health effects**Sensitization**

None known

Chronic toxicity

See Section 2 . Repeated contact may cause allergic reactions in very susceptible persons .

Mutagenic effects

None known

Teratogenic effects

None known

Reproductive toxicity

None known

Target Organ Effects

See Section 2

Carcinogenic effects

NTP and IARC have determined that inhalation of crystalline silica is carcinogenic to humans (IARC Group 1). Risk of cancer depends on duration and level of exposure.

Product code **DN5580C**Product name **Bedrock
Aggregate**

Chemical Name	ACGIH OEL - Carcinogens	IARC	NTP - Known Carcinogens	NTP - Suspected Human Carcinogens	OSHA RTK Carcinogens
Quartz (Crystalline Silica)	A2	Group 1	Listed	Not Listed	Listed
Titanium dioxide	A4	Group 2B	Not Listed	Not Listed	Listed
Iron Oxide	A4	Not Listed	Not Listed	Not Listed	Not Listed

12. ECOLOGICAL INFORMATION**13. DISPOSAL CONSIDERATIONS****Waste from residues / unused products**

Can be landfilled or incinerated, when in compliance with local regulations.

14. TRANSPORTATION INFORMATION**DOT**

Not Regulated

TDG

Not Regulated

15. REGULATORY INFORMATION**US EPA SARA 313****State Regulations**

Chemical Name	New Jersey - RTK	Pennsylvania - RTK	California Prop. 65
Quartz (Crystalline Silica)	Not Listed	Listed	Carcinogen
Titanium dioxide	Not Listed	Listed	Carcinogen
Iron Oxide	Not Listed	Listed	Not Listed

International Inventories

Chemical Name	EINECS	DSL	NDSL	TSCA
Quartz (Crystalline Silica)	X	X	-	X
Titanium dioxide	X	X	-	X
Iron Oxide	X	X	-	X

CPR

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**HMIS**

Health - 3
Flammability - 0
Physical Hazard - 0

Prepared By

V. Shargodsky, Regulatory Affairs
Engineer

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.