



Material Safety Data Sheet

G11E03

Revision Date: 09/16/2011

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MODIFIED BITUMEN GRANULES

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Company/Undertaking Identification:	Specialty Granules Inc. 13424 Pennsylvania Avenue Suite 303 Hagerstown, MD 21742 Telephone: (301)-733-4000 Fax: (301)-733-4003	Supplier Information: Mule-Hide Products Co., Inc 1195 Prince Hall Dr. Beloit, WI 53511 Phone: 800-786-1492
Emergency Telephone:	CHEMTREC: 1-800-424-9300 or 703-527-3887 (Outside of the USA) (Spill Related Emergencies) PROSAR: 1-800-241-7439 (Health Related Emergencies)	
Prepared By:	Product Stewardship	
Product Code:	G11E03	
Product Name:	CHARMIAN COLORED ROOFING GRANULES	
CAS Name:	NA	
Synonyms:	Metabasalt coated with pigments, sodium silicate, kaolin clay, oil and siloxane	
Product Use Description:	Roofing materials	

2. HAZARDS IDENTIFICATION

Emergency Overview

No Hazards Known.

Hazard Summary

Target Organs: • None effected.

Primary Routes of Entry: Not applicable.

Acute Health Hazard: None known.

Chronic Health Hazard: None known

Symptoms of Overexposure

Eye Contact: Not hazardous

Skin contact: Not hazardous

Ingestion: Not hazardous

Inhalation: Not hazardous

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components:	Weight %
Iron oxide 1309-37-1	<1
Chrome oxide 1308-38-9	<1

Kaolin Clay 1332-58-7	0-6
Titanium dioxide 13463-67-7	<3
Carbon black 1333-86-4	<1

4. FIRST AID MEASURES

Eye Contact:	Flush with plenty of water.
Skin Contact:	Wash off with soap and water.
Ingestion:	Do not induce vomiting. If conscious, give 2 glasses of water. Get immediate medical attention.
Inhalation:	Not hazardous by inhalation. Move to fresh air in case of accidental inhalation of dust or fumes from overheating or combustion. Get medical attention if symptoms occur.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Combustion/Explosion Hazards: None Known

Special Protective Equipment For Fire-Fighters: Wear self-contained breathing apparatus and protective suit.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear suitable protective equipment.

Methods for Cleaning Up: Soak up with inert absorbent material.

7. HANDLING AND STORAGE

Handling: Avoid breathing dust. Wash thoroughly after handling.

Storage: Store in sealed containers in a protected area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Use only in well-ventilated areas.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

Hand Protection: Wear protective gloves.

Eye Protection: Safety glasses.

Exposure Limits:

Components:	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Iron oxide 1309-37-1 (<1)	5mg/m ³ TWArespirable fraction	10 mg/m ³ fume

Components:	ACGIH - Threshold Limit Values - Time Weighted Averages (TLV-TWA)	U.S. - OSHA - Final PELs - Time Weighted Averages (TWAs)
Chrome oxide 1308-38-9 (<1)	No TLV/TWA Established	No TLV/TWA Established
Kaolin Clay 1332-58-7 (0-6)	2mg/m ³ TWAparticulate matter containing no asbestos and <1% crystalline silica, respirable fraction	15 mg/m ³ total dust 5 mg/m ³ respirable fraction
Titanium dioxide 13463-67-7 (<3)	10mg/m ³ TWA	15 mg/m ³ total dust
Carbon black 1333-86-4 (<1)	3mg/m ³ TWainhalable fraction	3.5 mg/m ³

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Granules
Color:	Not determined
Odor:	Not determined
Odor Threshold:	Not available
pH:	Not determined
Specific Gravity:	3.0
Boiling Point (°F):	Not determined
Melting/Freezing Point (°F):	>2,300
Vapor Pressure:	Not determined
Solubility:	Negligible
Flash Point (°F):	Not determined

10. STABILITY AND REACTIVITY

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	None known

11. TOXICOLOGICAL INFORMATION

Toxicity Test:

Carcinogenicity:

Components:	IARC Monographs on Occupational Exposures to Chemical Agents List -	NTP Report on Carcinogens List -	U.S. - OSHA - Carcinogens
Titanium dioxide 13463-67-7 (<3)	Group 2B (Possibly Carcinogenic to Humans)		Listed
Carbon black 1333-86-4 (<1)	Group 2B (Possibly Carcinogenic to Humans)		Listed

Other Information

Silica is chemically and biologically inert when ingested. inhalation of silica dust may cause silicosis and/or cancer. >15,000 (probable human LDLo for silica)

12. ECOLOGICAL INFORMATION

Persistence and Degradability:	Not determined.
Ecotoxicity:	Not determined

13. DISPOSAL CONSIDERATIONS

Waste Disposal Methods: Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

Land Transport:

DOT (Non-Bulk):

Not regulated DOT

DOT (Bulk):

Air Transport (IATA):

Not regulated IATA

Sea Transport (IMO):

Not regulated IMDG

TDG (Canada):

Not regulated TDG

15. REGULATORY INFORMATION

Inventories	Status
TSCA	Not Listed
DSL	Not Listed
NDSL	Not Listed
ENCS	Not Listed
AICS	Not Listed
EINECS	Not Listed
ELINCS	Not Listed
NZIoC	Not Listed
KECI	Not Listed
PICCS	Not Listed
IECSC	Not Listed

**California Proposition 65
Carcinogens & Reproductive
Toxicity (CRT) List:**

This product does not contain any chemicals known to State of California to cause cancer, birth, or any other reproductive defects.

Components:	California Proposition 65
Carbon black 1333-86-4 (<1)	carcinogen

EPCRA (SARA Title III): Not applicable

WHMIS Ingredient Disclosure List: One or more components of this product is listed on the WHMIS Ingredient Disclosure list.

16. OTHER INFORMATION

NFPA Rating: HEALTH 1, FLAMMABILITY 0 , REACTIVITY 0.

HMIS RATING:

HEALTH 1

FLAMMABILITY 0

PHYSICAL HAZARD 0

Prepared By: Product Stewardship

MSDS sections updated: This data sheet contains changes from the previous version in section(s) 1,16

Legend: N.Av.= Not Available; N.A.= Not Applicable

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*****End of Safety Data Sheet*****