Safety Data Sheet

Issuing Date 29-Apr-2015

Revision Date 29-Apr-2015

Version 2

1. Identification of the Substance/Preparation and of the Company/Undertaking

Product Identifier Product Code Product name

DM051 **BROWN MIX 51**

Recommended use of the chemical and restrictions on use **Synonyms** N/A

Supplier's details **Recommended use** Uses advised against

Industrial Use Only. No information available

Details of the Supplier of the Safety Data Sheet

Dharma Trading Co. 1805 S. McDowell Blvd. Ext. Petaluma, CA 94954 Telephone: (800) 542-5227

Emergency Telephone Number

USA: 1-800-255-3924 China: (400-1)-400-120-0751 Other: Collect 1-813-248-0585

HING BLANKS SINCE 1969 2. Hazards Identification

Classification

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS)

EMERGENCY OVERVIEW

signal word

Not Hazardous

The product contains no substances which at their given concentration, are considered to be hazardous to health

appearance	hrown	nowder	1
appearance	DIOWII	powuei	

Physical State Powder

Odor No information available

precautionary statements

P281 - Use personal protective equipment as required

P262 - Do not get in eyes, on skin, or on clothing

P261 - Avoid breathing dust/fume/gas/mist/vapors/sprav

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

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

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

Hazards Not Otherwise Classified (HNOC)

OTHER INFORMATION

3. Composition/information on Ingredients			
Chemical Name CAS-No Weight % Trade secret			

DM051 / BROWN MIX 51	Revision Date 29-Apr-201		
BROWN IRON OXIDE	1309-37-1 100% *		
	4. First aid measures		
First aid measures for different exp	osure routes		
Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids Consult a physician.		
Skin Contact	Wash skin with soap and water.		
INHALATION	Move to fresh air.		
INGESTION	Clean mouth with water and drink afterwards plenty of water.		
Most important symptoms/effects,	acute and delayed		
Main Symptoms	Wash skin with soap and water. Move to fresh air. Clean mouth with water and drink afterwards plenty of water. acute and delayed No information available. ention and special treatment needed, if necessary		
Indication of immediate medical att	ention and special treatment needed, if necessary		
Notes to physician	Treat symptomatically.		
	5. Fire-fighting measures		
Suitable extinguishing media Use extinguishing measures that are	appropriate to local circumstances and the surrounding environment.		
Unsuitable extinguishing media	Keep away from heat and sources of ignition.		
Specific Hazards Arising from the ON No information available. <u>Explosion Data</u> Sensitivity to Mechanical Impace Sensitivity to Static Discharge	50		
Protective Equipment and Precauti As in any fire, wear self-contained bre protective gear.	ons for Firefighters athing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full		
	6. Accidental release measures		
Personal precautions, protective en	uipment and emergency procedures		
Personal Precautions	Avoid contact with the skin and the eyes. Use personal protective equipment. For personal protection see section 8. Ensure adequate ventilation.		
Environmental Precautions			
Environmental Precautions	Prevent further leakage or spillage if safe to do so.		
Methods and materials for contain	nent and cleaning up		
Methods for containment	Prevent further leakage or spillage if safe to do so.		
Methods for Cleaning Up Use personal protective equipment. Cover powder spill with plastic sheet or tarp to r spreading and keep powder dry. Take up mechanically, placing in appropriate conta for disposal. Avoid dust formation. Clean contaminated surface thoroughly.			

7. Handling and Storage

-

Precautions for Safe Handling

Advice on safe handling	Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. In case of insufficient ventilation, wear suitable respiratory equipment. Wear personal protective equipment. Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Provide appropriate exhaust ventilation at places where dust is formed. Do not eat, drink or smoke when using this product. Use personal protection recommended in Section 8.
Conditions for safe storage, inclu	uding any incompatibilities
Technical measures/Storage conditions	Store locked up. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep in properly labeled containers. Store in accordance with the particular national regulations. Store in accordance with local regulations.
Incompatible Products	None known based on information supplied.

8. Exposure Controls/Personal Protection

Control Parameters

Exposure guidelines

Exposure guidelines			
Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
BROWN IRON OXIDE	TWA: 5 mg/m ³ respirable fraction		IDLH: 2500 mg/m ³ Fe dust and
1309-37-1		TWA: 15 mg/m ³ total dust	fume
		(vacated) TWA: 10 mg/m ³ fume	TWA: 5 mg/m ³ Fe dust and fume
		and total dust	
		(vacated) TWA: 5 mg/m ³	
		respirable fraction regulated	
		under Rouge	
NIOSH IDLH Immediately Dangerous		9	
Exposure guidelines	Vacated limits revoked by the	Court of Appeals decision in Al	FL-CIO v. OSHA, 965 F.2d 962
	(11th Cir., 1992).		
Exposure Controls			
Engineering Measures	Showers		
	Eyewash stations		
	Ventilation systems. Apply tech		n the occupational exposure
	limits. Process enclosure and/o	or ventilation systems.	
	A		
Individual protection measures, su	<u>ch as personal protective equi</u>	pment	
Eye/Face Protection	Tightly fitting opforty goggloo	void contact with over Even	ab fountaing abould be
Eye/Face Frotection	Tightly fitting safety goggles. A provided in areas where there		
	substances; this is irrespective		
0	protection.		ing the weating of eye
	protection.		
Skin and Body Protection	Skin and Body Protection. Wea	ar protective gloves and protec	tive clothing. Wear impervious
Okin and Body Protection	protective clothing, including b		
	prevent skin contact.	eete, gieree, las ceat, apren e	
Respiratory Protection	If exposure limits are exceeded	d or irritation is experienced, N	IOSH/MSHA approved
	respiratory protection should b		
Hygiene Measures	Handle in accordance with goo	d industrial hygiene and safety	/ practice. Do not eat, drink or
	smoke when using this produc	t. Remove and wash contamin	ated clothing before re-use.
	Regular cleaning of equipment		
	gloves and eye/face protection	. Wash hands before breaks a	nd immediately after handling
	the product. Wear personal pro	ptective equipment.	

9. Physical and Chemical Properties

Physical and Chemical Properties

appearance odor threshold brown powder No information available Odor No information available Property PH VALUES Remarks • Method metting point No information available N/A Boiling point/boiling range No information available N/A Flash Point No information available N/A Evaporation Rate no data available no data available Flammability Limit No information available no data available Lower Flammability Limit No information available no data available vapor pressure No information available N/A Solubility in Other Solvents No information available N/A Solubility in Other Solvents No information available N/A Vattogrition Temperature No information available N/A Solubility in Other Solvents No information available N/A Partition coefficient: n-octanol/waterNo information available N/A Solubility in Other Solvents No information available N/A Other Solvents No information available N/A Partition coefficient: n-octanol/waterNo No information available N/A Solubility in Other Solvents No information available N/A Vincoristion Temperature	Physical State	Powder		
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density No information available 10. Stability and Reactivity		No information available.		
10. Stability and Reactivity	· · ·			
	-			
Pagetivity		10. Stability and R	eactivity	
	Reactivity	5		

no data available

<u>Chemical Stability</u> Stable under recommended storage conditions.

Hazardous Reactions None under normal processing

Conditions to avoid Extremes of temperature and direct sunlight.

incompatible materials None known based on information supplied.

Hazardous decomposition products May emit toxic fumes under fire conditions.

11. Toxicological Information

Information on Likely Routes of Exposure

Product information

INHALATION	Avoid breathi	ng vapors or mist	S.		
Eye Contact	Avoid contact with eyes.				
Skin Contact	Avoid contact	t with skin.			
INGESTION	Not an expec	ted route of expos	sure. Do NOT taste	or swallow.	
Chemical Name	LD50 Ora	al	LD50 Dermal		LC50 Inhalation
BROWN IRON OXIDE 1309-37-1	10000 mg/kg	(Rat)	No Data Available		No Data Available
Information on Toxicologica	I Effects				CINCE 1969
Symptoms	No informatio	n available.			
Delayed and immediate effect	ts as well as chronic	effects from sh	ort and long-term	<u>exposure</u>	
sensitization	No informatio	n available.			S
Germ cell mutagenicity	No informatio				2
carcinogenicity	<u>.</u>				
Chemical Name BROWN IRON OXIDE	ACGIH			NTP	OSHA
1309-37-1		Group 3		o'	
IARC: (International Agency				~	
Group 3 - Not Classifiable as Reproductive Toxicity	to Carcinogenicity in Hurr No informatio				
Specific target organ system			THIN		
toxicity (single exposure)					
Specific target organ system		n available.	0		
toxicity (repeated exposure)					
Target organ effects Aspiration Hazard	EYES, Respired No informatio	ratory System, ski	in.		
Aspiration Hazard		n available.	0		
Numerical Measures of Toxic	city - Product inform	ation			
The following values are cal	culated based on cha	apter 3.1 of the G	HS document		
ATEmix (oral)	10000 mg/kg				
12. Ecological Information					
ecotoxicity	P				
100% of the mixture consists of	of components(s) of un	known hazards to	the aquatic enviror	nment	
Persistence and Degradabili No information available.	ty				
Bioaccumulation No information available.					
Other Adverse Effects	No informatio	n available			
	13. [Disposal Cons	siderations		
Waste treatment					
Waste Disposal Methods	regulations. T				lance with local according to state and

Contaminated Packaging

Do not re-use empty containers. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION

DOT Description MEX	NOT REGULATED NOT REGULATED
IATA Description	NOT REGULATED
IMDG Description	NOT REGULATED
RID	AL
ADN	
	15. Regulatory Information
International Inventories	
TSCA EINECS/ELINCS DSL NDSL PICCS ENCS IECSC AICS KECL NZIOC	Listed Listed Listed Listed Listed Listed Listed Listed Listed Not Determined
Legend	
TSCA - United States Toxic Substances Co EINECS/ELINCS - European Inventory of E DSL/NDSL - Canadian Domestic Substance PICCS - Philippines Inventory of Chemicals ENCS - Japan Existing and New Chemical IECSC - China Inventory of Existing Chemical AICS - Australian Inventory of Chemical Su KECL - Korean Existing and Evaluated Che NZIOC - New Zealand Inventory of Chemical	Existing Commercial Chemical Substances/EU List of Notified Chemical Substances es List/Non-Domestic Substances List and Chemical Substances Substances cal Substances ibstances emical Substances
REACH registration number	Keystone has taken all relative steps to ensure REACH-Compliance. Please contact us with any REACH-Related questions at REACH@Keystone-Europe.CO.UK
RESTRICTIONS - REACH TITLE VIII	No information available
US Federal Regulations	

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any 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 Hazard Categories	
Acute health hazard	NO.
Chronic health hazard	NO.
Fire hazard	NO.
Sudden Release of Pressure Hazard	NO.
Reactive Hazard	NO.

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and e chothing B Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

US State Regulations

California Proposition 65

This product does not contain any Proposition 65 chemicals

U.S. State Right-to-Know Regulations

Chemical Name	Massachusetts	New Jersey	Pennsylvania	Illinois	Rhode Island
BROWN IRON OXIDE	Х	X	Х		

International regulations

Chemical Name	Carcinogen Status	Exposure limits
BROWN IRON OXIDE		Mexico: TWA 5 mg/m ³
		Mexico: STEL 10 mg/m ³

CANADA

WHMIS Note

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class

Non-controlled

HMIS

Health Hazard 1

flammability 1

Physical hazard 0

PERSONAL **PROTECTION** F

16. Other Information Revision Date 29-Apr-2015 No information available. **Revision note** No information available. **Restrictions on use** WWW.DHARMATRADING.COM **Contact Information Website**

Disclaimer

ra stora combination combinati The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text