

1133446		41378A Brown Spersastain	DRM100LB
Product specification	RS_FP_600506	Print Date	<b>06/05/2015</b>
Version	1		03/15/2016
Material number	1133446		Page 1 of 9

## **SECTION 1. IDENTIFICATION**

Product name	:	41378A Brown Spersastain DRM100LB 00000000001133446		
Product code	:	RS_FP_600506		
Manufacturer or supplier's of	det:	ails		
Company name of supplier				
Address	:	6060 Parkland Blvd. Suite 250 Mayfield Heights OH 44124-4185		
Telephone	:	(216) 875-5600		
Disposal considerations	:	Dispose of wastes in an approved waste disposal facility.		
Emergency telephone numb	ber			
CHEMTREC In-Country Number		(800)424-9300		
CHEMTREC Global Number	:	+(1)-703-527-3887(Call Collect)		
Recommended use of the chemical and restrictions on use				
Recommended use	:	Industrial use		
Restrictions on use	:	Reserved for industrial and professional use.		

## **SECTION 2. HAZARDS IDENTIFICATION**

GHS Classification
Not a hazardous substance or mixture.
GHS Label element
Not a hazardous substance or mixture.
Other hazards
None known.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### Hazardous components

Chemical Name	CAS-No.	Concentration (%)
kyanite	1302-76-7	>= 20 - < 30
Amorphous Silica	112945-52-5	>= 1 - < 5

## **SECTION 4. FIRST AID MEASURES**

General advice

: Consult a physician.



<b>1133446</b> Product specification Version Material number	RS_FP_600506 1 1133446	41378A Brown Sperse Revision Date Print Date Page	astain DRM100LB 06/05/2015 03/15/2016 Page 2 of 9
If inhaled	lf	emove to fresh air. unconscious place in recovery pos dvice. ever give anything by mouth to an	
In case of skin co	lf	/ash off immediately with soap and a person feels unwell or symptoms onsult a physician.	
In case of eye cor		inse immediately with plenty of wat dvice.	er and seek medical
If swallowed	R	o NOT induce vomiting. inse immediately with plenty of wat dvice.	er and seek medical

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.	
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.	
Specific hazards during firefighting	<ul> <li>Exposure to decomposition products may be a hazard to health.</li> <li>Do not allow run-off from fire fighting to enter drains or water courses.</li> </ul>	
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus.	

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	nsure adequate ventilation. ollow safe handling advice and pe quipment recommendations.	sonal protective
Environmental precautions	Do not flush into surface water or sa Prevent product from entering drain	
Methods and materials for containment and cleaning up	weep up and shovel into suitable of Clean contaminated floors and obje bserving environmental regulations	cts thoroughly while

## SECTION 7. HANDLING AND STORAGE

: Do not get in eyes or mouth or on skin.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the
application area.
Do not use in areas without adequate ventilation.



1133446		41378A Brown Spersastain	DRM100LB
Product specification	RS_FP_600506	Revision Date	06/05/2015
Version	1	Print Date	03/15/2016
Material number	1133446	Page	Page 3 of 9

Keep away from heat and sources of ignition.

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
kyanite	1302-76-7	TWA (Respirable fraction)	1 mg/m3 (Aluminium)	ACGIH
Amorphous Silica	112945-52-5	TWA (Dust)	20 Million particles per cubic foot (Silica)	OSHA Z-3
		TWA (Dust)	80 mg/m3 / %SiO2 (Silica)	OSHA Z-3
		TWA	6 mg/m3 (Silica)	NIOSH REL
Engineering measures	exposure lim		comply with the occup	pational
Personal protective equipme	ent			
Respiratory protection			centrations above the te certified respirators	
Hand protection Material	: Protective glo	oves		
Eye protection	Ensure that e	Safety glasses with side-shields Ensure that eyewash stations and safety showers are close to the workstation location.		
Protective measures		Wear suitable protective equipment. When using do not eat, drink or smoke.		
Hygiene measures	before enteri	Remove contaminated clothing and protective equipment before entering eating areas. Wash hands before breaks and immediately after handling the product.		

## Components with workplace control parameters

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance



4400440		110701 5	
1133446 Product specification	RS_FP_600506	41378A Brown Spe Revision Date	ersastain DRM100LB 06/05/2015
Version	1	Print Date	03/15/2016
Material number	1133446	Page	Page 4 of 9
Colour	: coloui	red	
Odour	: chara	cteristic	
Odour Threshold	: No da	ta available	
рН	: No da	ta available	
Melting point/range	: No da	ta available	
Boiling point/boiling r	ange : No da	ta available	
Flash point	: No da	ta available	
Evaporation rate	: Not a	oplicable	
Upper explosion limit		ta available	
Lower explosion limit		ta available	
Vapour pressure		ta available	
Relative vapour dens		ta available	
Relative density		ta available	
Bulk density	: No da	ta available	
Solubility(ies) Water solubility	: No da	ta available	
Partition coefficient:	n- : No da	ta available	
Auto-ignition tempera	ature : not de	etermined	
Thermal decomposit	ion : No da	ta available	
Viscosity Viscosity, kinemat	ic : No da	ta available	

## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical stability	: No data available
Possibility of hazardous reactions	: No data available
Conditions to avoid	: Incompatible materials
Incompatible materials	: Incompatible with oxidizing agents. Incompatible with strong acids and bases.



1133446	

Product specification Version Material number RS\_FP\_600506 1 1133446



#### DRM100LB 06/05/2015 03/15/2016 Page 5 of 9

# -----

## SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure inhalation (dust/mist/fume)

inhalation (vapour) Skin Eye contact Ingestion

#### Acute toxicity

Not classified based on available information.

#### Product:

Acute oral toxicity

: Acute toxicity estimate : > 5,000 mg/kg Method: Calculation method

## Components:

Amorphous Silica: Acute oral toxicity

: LD50 Oral (Rat): 3,160 mg/kg

#### Skin corrosion/irritation

Not classified based on available information.

## Serious eye damage/eye irritation

Not classified based on available information.

## Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information. Respiratory sensitisation: Not classified based on available information.

#### Germ cell mutagenicity

Not classified based on available information.

#### Carcinogenicity

Not classified based on available information.

IARC	No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
ACGIH	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
OSHA	No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.
NTP	No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.



11334	46

RS_FP_600506
1
1133446

#### 41378A Brown Spersastain DRM100LB 06/05/2015 **Revision Date** Print Date 03/15/2016 Page

# Page 6 of 9

## **Reproductive toxicity**

Not classified based on available information.

## STOT - single exposure

Not classified based on available information.

#### **STOT - repeated exposure**

Not classified based on available information.

## Aspiration toxicity

Not classified based on available information.

## **SECTION 12. ECOLOGICAL INFORMATION**

Ecotoxicity No data available			
Persistence and degradability			
<u>Components:</u> Amorphous Silica: Biodegradability	: Remarks: No data available		
Bioaccumulative potential			
<u>Components:</u> Amorphous Silica: Bioaccumulation	: Remarks: No data available		
Mobility in soil			
<u>Components:</u> Amorphous Silica: Distribution among environmental compartments	: Remarks: No data available		
Other adverse effects No data available			

## **SECTION 13. DISPOSAL CONSIDERATIONS**

## **Disposal methods**

Waste from residues

: Dispose of wastes in an approved waste disposal facility.

## **SECTION 14. TRANSPORT INFORMATION**

## International Regulation

UNRTDG Not regulated as a dangerous good



#### 1133446

Product specification	RS_FP_600506
Version	1
Material number	1133446

41378A Brown SpersastainRevision DatePrint DatePage

DRM100LB 06/05/2015 03/15/2016

Page 7 of 9

## IATA-DGR

Not regulated as a dangerous good

## IMDG-Code

Not regulated as a dangerous good

## Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

## **National Regulations**

## 49 CFR DOT

Not regulated as a hazardous material

## SECTION 15. REGULATORY INFORMATION

TSCA list	:	TSCA 5a - Not relevant		
		TSCA_12b - Not relevant		
SARA 311/312	Hazards :	No SARA Hazards		
SARA 302	:	No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.		
SARA 313	:	The following components are subject to reporting levels established by SARA Title III, Section 313:		
		Zn-Fe-Cr spinel brown	68186-88-9	
Massachusett	s Right To Know		t to the Massachusetts Right to	
Pennsylvania Right To Know				
	Zn-Fe-Cr spinel	brown	68186-88-9	
	kyanite		1302-76-7	
New Jersey Ri	ght To Know			
Zn-Fe-Cr spinel b		brown	68186-88-9	
	kyanite		1302-76-7	
	Amorphous Silic	a	112945-52-5	
California Pro	o 65		ain any chemicals known to State er, birth defects, or any other	
The components of this product are reported in the following inventories:				
REACH	-	Not in compliance with the	-	
		kyanite	·	
CH INV	:	Not in compliance with the	inventory	



<b>1133446</b> Product specification Version Material number	RS_FP_600506 1 1133446	<b>41378A Brown Sp</b> Revision Date Print Date Page	ersastain DRM100LB 06/05/2015 03/15/2016 Page 8 of 9
	: Amorph	nous Silica	
TSCA	: Not On	TSCA Inventory	
	: Amorph	nous Silica	
	: kyanite		
DSL	: All com	ponents of this product a	re on the Canadian DSL.
AICS	: On the	inventory, or in complianc	ce with the inventory
NZIoC	: On the	inventory, or in complianc	ce with the inventory
ENCS	: Not in c	compliance with the inven	tory
	: Amorph	nous Silica	
	: Zn-Fe-0	Cr spinel brown	
	: kyanite		
ISHL	: Not in c	compliance with the inven	tory
	: Amorph	nous Silica	
	: Zn-Fe-0	Cr spinel brown	
	: kyanite		
KECI	: On the	inventory, or in compliand	e with the inventory
PICCS	: Not in c	compliance with the inven	tory
	: kyanite		
IECSC	: On the	inventory, or in complianc	ce with the inventory
TW INV	: Not in c	compliance with the inven	tory
	: Amorph	nous Silica	
	: Zn-Fe-0	Cr spinel brown	
	: kyanite		
MY INV	: Not in c	compliance with the inven	tory
	: Amorph	nous Silica	
	: Zn-Fe-0	Cr spinel brown	
	: kyanite		
TR INV	: Not in c	compliance with the inven-	tory



1133446		41378A Brown Spersastain	DRM100LB
Product specification	RS_FP_600506	Revision Date	06/05/2015
Version	1	Print Date	03/15/2016
Material number	1133446	Page	Page 9 of 9

- : Amorphous Silica
- : Zn-Fe-Cr spinel brown
- : kyanite

#### Inventories

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), CH INV (Switzerland), MY INV (Malaysia), TR INV (Turkey), TW INV (Taiwan)

#### **SECTION 16. OTHER INFORMATION**

Revision Date : 06/05/2015

The information provided in this Safety Data Sheet 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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered 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 materials or in any process, unless specified in the text.