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SAFETY DATA SHEET

3180	AUTUMN BROWN MULTI-COLOUR
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1. Identification of substance/preparation and of the company undertaking	
Trade name:	Autumn Brown Multi-colour
Chemical Name:	Zinc, Iron Chromite Brown Spinel.

2. Composition /information on ingredients		
Component	CAS	% of composition
C.I. Pigment Brown 33	68186-88-9	100

3. Hazards Identification	
Inhalation	Excessive exposure may cause symptoms of chronic lung disease.
Ingestion	The product is of low solubility in body fluids and it is likely to be of low acute toxicity.
Eyes	May cause physical irritation and inflammation.
Skin	The material is not a primary irritant, but as with any abrasive powder it may give rise to minor irritation.

4. First Aid Measures	
Inhalation	Remove patient to fresh air, loosen clothing and seek medical attention.
Ingestion	Do not induce vomiting, seek medical advice.
Eyes	Wash immediately with copious amounts of water.
Skin	Wash affected areas with water.

5. Fire Fighting Hazards	
Extinguishing media	Suitable for surrounding fire conditions.
Special exposure hazard	In the event of fire, the product may emit harmful or toxic fumes.
Personal Protective equipment	Self contained breathing apparatus.

6. Accidental Release Measure	
Leaks & spills	Use suitable vacuum equipment where practicable, otherwise damp down and scoop into container.
Personal protective equipment	Respiratory protective equipment.



7. Handling & Storage	
Handling	Do not eat, drink or smoke in areas where the material is used. Wash thoroughly after handling.
Storage	Store in a dry area.

8. Exposure Control/Personal Protection	
Engineering controls	Adequate ventilation should be provided so that occupational exposure limits are not exceeded. Local exhaust ventilation is normally recommended.
Personal protective equipment	Where L.E.V is not practicable and exposure is likely to be excessive, approved respiratory protection conforming to CEN standards pr EN140, 141, 143 or 149 should be worn. Protective gloves and overalls are recommended for prolonged contact.

9. Physical & Chemical Properties	
Appearance and odour	Light Brown Powder, odourless
Flash Point	N.A.
Flammability	Inflammable
Explosive Properties	Non explosive
Oxidising Properties	None
Specific Gravity	N.A.
Solubility	Insoluble
Melting Point	N.A.

10. Stability & Reactivity	
Chemical Stability	Stable
Conditions/ Materials to avoid	None Known
Hazardous decomposition products	None Known
Hazardous Polymerisation products	None

11. Toxicological Information	
Likely to be of low toxicity	

12. Ecological Information	
Ecotoxicity	Not Known
Persistence	Not Known

13. Disposal Considerations	
Disposal of in. accordance with current waste disposal regulations (for U.K. Control of Pollution {Special Waste} Regulations 1980). Landfill is the most appropriate method.	



14. Transport Information		
UN/ SI. No:		
Not Classified		
UN Class:		
Not Classified		
Packing Group:		
Not Classified		
Road	UK	Not Classified
	ADR	Not Classified
Sea	IMO	Not Classified
Air	ICAO	Not Classified

15. Regulatory Information		
EC Supply Labelling		
HARMFUL Xn		
R Phrases	R20/22	Harmful by inhalation and if swallowed.
	R33	Danger of cumulative effects.
S Phrases	S13	Keep away from food, drink and animal feeding stuffs.
	S20/ 21	When using do not eat, drink or smoke.
	S28	After contact with skin, wash immediately with plenty of soap and water.
UK Occupational Exposure Limits		
	Mg/m ³	% in product
Chromium compounds	0.5	11.0
<p>In accordance with HSE Approved Code of Practice for CHIP, the recipient is reminded of their obligations under both the Health and Safety at Work Act (HSWA) and the Control of Substances Hazardous to Health Regulations (COSHH), and that the information in any safety data sheet does not constitute the user's assessment of workplace risk.</p>		

16. Other Information	
References	
COSHH ACOP	HSC approved Code of Practice for the Control of Substances Hazardous to Health Regulations 1994.
CHIP 96	Chemicals (Hazard Information and Packaging for Supply) Regulations 1996
CHIP SDS ACOPS	HSC Approved Code of Practice for Safety data Sheets in accordance with regulation 6 of the CHIP regulations.
HSE EH40	HSE Guidance note EH40 on Occupational Exposure Limits to be used in conjunction with the COSHH regulations.