Safety Data Sheet according to WHS and ADG requirements

Issue Date: 20/11/24

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SECTION 1 Identification of material and supplier

Product Identifier	
Product Name	AFS Flake
Relevant identified uses of the substance or mixture and uses advised against	
Relevant identified uses	Pigment
Details of the supplier of the safety data	Australian Flooring Systems Pty Ltd
Address	60 Victoria Street Riverstone NSW 2765
Telephone	13 11 26(Poisons Information Centre)
Website	www.ausflooringsystems.com.au
Email	info@ausflooringsystems.com.au
Emergency telephone number	13 11 26

SECTION 2 HAZARDS IDENTIFICATION

Classification of the substance or mixture	
NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA	
Other hazards	No information provided.
Label elements	
GHS label elements	No signal word, pictograms, hazard or precautionary statements have been allocated
Other hazards	No information provided.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Substances	See section below for composition of Mixtures			
Mixtures	**Ingredient**	**CAS No**	**EC Number**	**Content**
	Barium Sulphate	7727-43-7	231-784-4	65 to 85%
	Titanium Dioxide	13463-67-7	236-675-5	1 to 10%
	Carbon Black	1333-86-4	215-609-9	1 to 10%
	Polyvinyl Acetate	9003-20-7	618-358-7	12 to 22%

SECTION 4: FIRST AID MEASURES

Description of first aid measures	
Eye Contact	If this product comes in contact with the eyes: * Hold eyelids apart and flush continuously with running water * Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes

Skin Contact	If skin or hair contact occurs: * Remove contaminated clothing and flush skin and hair with running water * Continue flushing with water until advised to stop by a Poisons Information Centre or a doctor
Inhalation	If inhalation occurs: * Remove from contaminated area * Apply artificial respiration if not breathing.
Ingestion	For advice: * Contact a Poisons Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). * Rinse mouth with water.
First aid facilities	* Eye wash facilities and safety shower are recommended.

Most important symptoms and effects, both acute and delayed:
Adverse effects not expected from this product under normal conditions of use
Indication of any immediate medical attention and special treatment needed:
Treat symptomatically.

SECTION 5 FIREFIGHTING MEASURES

Extinguishing media	Use an extinguishing agent suitable for the surrounding fire.
Specific hazards	
Non flammable. May evolve toxic gases (carbon/ nitrogen oxides, hydrocarbons) when heated to decomposition.	
Special protective equipment and precautions for Fire Fighters	
Fire Fighting	* Evacuate area and contact emergency services * Toxic gases may be evolved in a fire situation * Remain upwind and notify those downwind of hazard * Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire. * Use water fog to cool intact containers and nearby storage areas
Hazchem	None allocated.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	* Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS
Environmental precautions	
Environmental precautions	* Prevent product from entering drains and waterways.
Methods and material for containment and cleaning up	
Methods of cleaning up	Contain spillage, then cover / absorb spill with non-combustible absorbent material (vermiculite, sand, or similar), collect and place in suitable containers for disposal.
Reference to other sections	See Sections 8 and 13 for exposure controls and disposal.

SECTION 7 HANDLING AND STORAGE

Precautions for safe handling

Safe handling	* Before use carefully read the product label. * Use of safe work practices are recommended to avoid eye or skin contact and inhalation * Observe good personal hygiene, including washing hands before eating. * Prohibit eating, drinking and smoking in contaminated areas.
Conditions for safe storage, including any incompatibilities	

Conditions for safe storage	*Store in a cool, dry, well ventilated area, removed from incompatible substances and foodstuffs. * Ensure containers are adequately labelled, protected from physical damage and sealed when not in use.
Specific end uses	No information provided.

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Control parameters Occupational Exposure Limits (OEL)

Ingredient	Reference	TWA		STEL	
		Ppm	mg/m³	Ppm	mg/m³
Barium sulphate	SWA [AUS]		10		
Barium sulphate (inhalable)	SWA [Proposed]		4		
Barium sulphate (respirable)	SWA [Proposed]		1.35		
Carbon black	SWA [AUS]		3		
Titanium dioxide (a)	SWA [AUS]		10		
Vinyl acetate	SWA [AUS]	10	35	20	70

Biological limits

No biological limit values have been entered for this product.

Exposure controls

Appropriate engineering controls	* Avoid inhalation * Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended.

Personal Protective equipment

Personal protection	
Eye and face protection	Wear dust-proof goggles.
Skin protection	When using large quantities or where heavy contamination is likely, wear coveralls.
Hands/feet protection	Wear PVC or rubber gloves.
Respiratory	Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Flake		
Physical state	Not Available	Solubility (water)	Not Available
Odour	Sweet Odour	Vapour pressure	Not Available
Odour threshold	Not Available	Auto-ignition temperature (°C)	Not Available
pH (as supplied)	Not Available	Decomposition temperature (°C)	Not Available
Melting point / freezing point (°C)	Not Available	Viscosity (cSt)	Not Available
Initial boiling point and boiling range (°C)	Not Available	Molecular weight (g/mol)	Not Available
Flash point (°C)	Not Available	Taste	Not Available
Evaporation rate	Not Available	Explosive properties	Not Available
Flammability	Not Available	Oxidising properties	Not Available
Upper Explosive Limit (%)	Not Available	Surface Tension (dyn/cm or mN/m)	Not Available
Lower Explosive Limit (%)	Not Available	Volatile Component (%vol)	Not Available
Specific gravity	2.75	Gas group	Not Available

Solubility in water	Not Available	pH as a solution (1%)	Not Available
Vapour density (Air = 1)	Not Available	VOC g/L	Not Available

SECTION 10 STABILITY AND REACTIVITY

Reactivity	Carefully review all information provided
Chemical stability	Stable under recommended conditions of storage
Possibility of hazardous reactions	Hazardous polymerisation is not expected to occur
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources
Incompatible materials	Incompatible with oxidising agents (e.g. hypochlorites).
Hazardous decomposition products	May evolve toxic gases (sulphur oxides) when heated to decomposition

SECTION 11 TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity	**This product is expected to be of low toxicity. Based on available data, the classification criteria are not met.**

Information available for the ingredients:

Ingredient	Oral LD50	Dermal LD50	Inhalation LC50
Barium Sulphate	> 5000 mg/kg (rat)	> 2000 mg/kg (rat)	
Titanium Dioxide	5000 mg/kg (rat)		3.43 - 6.82 mg/L air (rat)
Carbon Black	> 10,000 mg/kg (rat)		

Skin corrosion/irritation	* Not classified as a skin irritant. * Prolonged or repeated exposure to dust may result in irritation and dermatitis
Serious eye damage/irritation	* Not classified as an eye irritant. * Contact may result in mild irritation, lacrimation and redness.
Respiratory/skin sensitisation	Not classified as causing skin or respiratory sensitisation.
Germ cell mutagenicity	* Insufficient data available to classify as a mutagen.
Carcinogenicity	* Insufficient data available to classify as a carcinogen * Titanium dioxide is classified as possibly carcinogenic to humans (IARC Group 2B).
Reproductive toxicity	Not classified as a reproductive toxin
Specific Target Organ Toxicity (STOT) - single exposure	Not classified as causing organ damage from single exposure
Specific Target Organ Toxicity (STOT) - repeated exposure	Not classified as causing organ damage from single exposure.
Aspiration Hazard	Not relevant.

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity	No information provided.
Persistence/Degradability	No information provided.
Bioaccumulative potential	No information provided
Mobility in soil	No information provided
Other adverse effects	No information provided

SECTION 13 DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal method	Dispose of to an approved landfill or waste processing site. Contact the manufacturer/supplier for additional information (if required).
Legislation	Dispose of in accordance with relevant local legislation

SECTION 14 TRANSPORT INFORMATION

Not classified as a dangerous good by the criteria of the ADG Code, IMDG or IATA

	ADG Code Transport by road and rail	Marine Transport (IMO/IMDG)	Air Transport (ICAO/IATA)
UN Number	None allocated	None allocated	None allocated
Proper Shipping Name	None allocated	None allocated	None allocated
Transport hazard class	None allocated	None allocated	None allocated
Packing Group	None allocated	None allocated	None allocated
Environmental hazards	Not a Marine Pollutant	Not a Marine Pollutant	Not a Marine Pollutant
Special precautions for user			
Hazchem code		None allocated	

SECTION 15 REGULATORY INFORMATION

Safety, Health and Environmental regulations/legislation specific for the substance or mixture

Poisons Schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Classifications	Safework Australia criteria is based on the Globally Harmonised System (GHS) of Classification and Labelling of Chemicals.
National Inventory (AICS)	**AUSTRALIA: AICS (Australian Inventory of Chemical Substances**) All components are listed on AICS or are exempt.

SECTION 16 OTHER INFORMATION

Additional information	RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary. PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as form of product, method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made. HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: form of product; frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a report which would encompass all possible scenarios, it is anticipated that users willassess the risks and apply control methods where appropriate.

Classification of the preparation and its individual components has drawn on official and authoritative sources as well as independent review by the AFS Classification committee using available literature references. The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios. Scale of use, frequency of use and current or available engineering controls must be considered.

Definitions and abbreviations

ACGIH: American Conference of Governmental Industrial Hygienists
CAS #: Chemical Abstract Service number - used to uniquely identify chemical compounds
CNS: Central Nervous System EC No.:
EC No - European Community Number
EMS: Emergency Schedules (Emergency Procedures for Ships Carrying Dangerous Goods)
GHS: Globally Harmonized System
GTEPG: Group Text Emergency Procedure Guide
IARC: International Agency for Research on Cancer
LC50: Lethal Concentration, 50% / Median Lethal Concentration
LD50: Lethal Dose, 50% / Median Lethal Dose mg/m³: Milligrams per Cubic Metre
OEL: Occupational Exposure Limit
PH: relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm: Parts Per Million
STEL: Short-Term Exposure Limit
STOT-RE: Specific target organ toxicity (repeated exposure)
STOT-SE: Specific target organ toxicity (single exposure)
SUSMP: Standard for the Uniform Scheduling of Medicines and Poisons SWA: Safe Work Australia TLV: Threshold Limit Value
TWA: Time Weighted Average