FIREFLY MICA MMO SAFETY DATA SHEET

SECTION 1: MATERIAL & SUPPLY COMPANY IDENTIFICATION

Product Identifiers

Product Name: Firefly Mica MMO
CAS Number.: 12001-26-2, 13463-67-7, 18282-10-5, 1309-37-1

Relevant identified uses of the substance or mixture

Colouring Agent

Uses advised against : not known

Supplier Details

Supplier: Heirloom Body Care Pty Ltd
Address: Unit 9, 28 Coombes Drive Penrith NSW 2750 Australia
Telephone: 02 4722 2123
Fax 02 4722 2904

Information in case of emergency

Poisons Information Centre 13 11 26

SECTION 2: HAZARD IDENTIFICATION

Classification of the substance / preparation

According to Regulation (EC)	No.
1272/2008(CLP) :	not classified
According to Directive 67/548/EEC &	
Directive 1999/45/EC :	not classified
Additional information :	not available
Label elements	
GHS label elements :	not applicable
Hazard pictogram(s) :	not applicable
Signal word(s) :	not applicable
Hazard statement(s) :	not applicable
Precautionary statement(s) :	not applicable
Other hazards :	not known

SECTION 3: PRODUCT COMPOSITION

Chemical family : mica, titanium oxide, tin oxide, iron oxide.
Contains no hazardous ingredients

Common Chemical Name	CAS No	EINECS No	Colour Index	Chemical Composition	Hazard classification According to directive 67/548/EEC & Directive

					1999/45/EC, Regulation (EC) No. 1272/2008(CLP)
Mica	**12001-26-2**	**310-127-6**	**77019**	**55-59**	**Not classified**
Titanium dioxide	**13463-67-7**	**236-675-5**	**77891**	**40-44**	**Not classified**
Tin dioxide	**18282-10-5**	**242-159-0**	**77861**	**0-1**	**Not classified**
Iron Oxide	**1309-37-1**	**215-168-2**	**77491**	**0-1**	**Not classified**

SECTION 4: **FIRST AID**

Description of first aid measures

Inhalation: in case of accident by inhalation : remove causality to fresh air and keep at rest
Skin contact : wash affected skin with plenty of water
Eye contact : if contact with eyes directly, flush with gently flowing fresh water thoroughly;
If eye irritation persists, get medical advice/attention
Ingestion : if ingested, wash out mouth with water, drink milk or egg white
Notes to physician : no special measures are required

Most important systems and effects,

Both acute and delayed
Acute : none
Long term (repeated) : may cause irritation to the respiratory system.
Cough.
Increased difficulty in breathing

Indication of immediate medical attention and special treatment needed

Recommended : a. Chest XRay
b. Lung functionality tests

SECTION 5: **FIRE FIGHTING MEASURES**

Extinguishing Media

Suitable extinguishing media : extinguish with water spray, foam or dry chemical

Unsuitable extinguishing media : carbon dioxide

Special hazards arising from the substance or mixture

Thermal hazards : noncombustible. None anticipated

Advice for firefighters : fire fighters should wear complete protective clothing including self contained breathing apparatus

SECTION 6: **ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Personal precautions : do not breathe dust

Personal protection equipment : wear appropriate personal protective equipment, avoid direct contact

In case of emergency : a self contained breathing apparatus and suitable protective clothing should be worn in fire conditions

Environmental precautions : do not allow to enter drains, sewers or watercourses

Methods and material for Containment and cleaning up :

collect mechanically and dispose of according to Section 13. Use vacuum equipment for collecting spilt materials, where practicable

Reference to other sections : see sections 8 and 13

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling : avoid breathing dust

Conditions for safe storage including any incompatibilities : keep container in a well ventilated place

Specific end use(s) : not known

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

Control parameters : provide adequate ventilation when using the material and follow the principles of good occupational hygiene to control personal exposures

Exposure limit values : not known

Exposure controls

Appropriate engineering controls :provide adequate ventilation to ensure that the occupational exposure limit is not exceeded. Isolate the dispersive process step away from other operations. This can be achieved by local exhaust ventilation or general ventilation

Individual protections measures, such as personal protective equipment(PPE)

Hand/eye/face protection : wear gloves, eye protection and an approved dust mask if dust is generated during handling. Goggles giving complete protection to eyes. Dust mask covering nose and mouth

Skin protection : apron or other light protective clothing, boots and plastic or synthetic rubber gloves

Respiratory protection : dust mask covering nose and mouth

Thermal hazards : none

Environmental exposure controls : avoid dust generation. Avoid accumulation of dust

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

General information

Appearance	Powder.
Colour:	Yellow
Odour:	Odourless
pH:	6.0 - 9.0 (4% H2O)
Boiling point:	Not applicable
Melting point:	Decomposes
Freezing point:	Not applicable
Density	2.9-3.0 kg/L
Bulk Density	24-28g/100g
Vapour pressure:	Not applicable
Vapour Density (air = 1):	Not applicable
Relative density at 20°C:	Not available
Solubility in water (g/litre @ 20 °C):	Insoluble
Particle size	30-150µm

SECTION 10: **STABILITY AND REACTIVITY**

Reactivity

There may be violent or incandescent reaction of the product with metals at high temperatures (e.g., aluminium; calcium; magnesium; potassium; sodium; zinc; lithium)

Stability

Stable under normal conditions

Possibility of hazardous reactions

None

Conditions to avoid

High temperature, strongly acidic, strongly alkaline, oxidizing agents

Hazardous decomposition products

No information available

SECTION 11: **TOXICOLOGICAL INFORMATION**

Information on toxicological effects
This inorganic pigment in general is considered to be practically nontoxic.
Acute toxicity : not available
Carcinogenicity : not available

SECTION 12: **ECOLOGICAL INFORMATION**

Toxicity : no data
Persistence and degradability : insoluble in water. This product is predicted not to degrade in soil and water
Bioaccumulative potential : no data
Mobility in soil : not applicable
Results of PBT and vPvB assessment : : not applicable
Other adverse effects : : not known

SECTION 13: **DISPOSAL CONSIDERATIONS**

Waste treatment methods : dispose of contents in accordance with local, state or national legislation

SECTION 14: **TRANSPORT INFORMATION**

Not classed as dangerous for transport.

International Transport Regulations	ADR/RID	ADN	IMDG	ICAO/IATA
UN Number	Not applicable	Not applicable	Not applicable	Not applicable
Proper shipping name	Not applicable	Not applicable	Not applicable	Not applicable
Transport hazard class(es)	Not applicable	Not applicable	Not applicable	Not applicable

Packing group	Not applicable	Not applicable	Not applicable	Not applicable
Environmental hazards	None	None	None	None
Special precautions for user	None	None	None	None
Transport in bulk according to Annex II of MARPOL 73/78 and The IBC Code	Not applicable	Not applicable	Not applicable	Not applicable
Hazard label(s)	Not applicable	Not applicable	Not applicable	Not applicable
Additional information	Custom tariff No. 32061900	Custom tariff No. 32061900	Custom tariff No. 32061900	Custom tariff No. 32061900

SECTION 15: **REGULATORY INFORMATION**

According to Directive 67/548/EEC & Directive 1999/45/EC : not classified as dangerous for supply/use

Safety, health and environmental regulations/legislations specific for the substance or mixture :not available

SECTION 16: **OTHER INFORMATION**

.Annex to the extended Safety Data Sheet (eSDS)

ADR : European Agreement concerning international carriage of Dangerous goods by Road

CAS : Chemical Abstracts Service

EC : European Community

ICAO : International Civil Aviation Organization

IMDG : International Maritime Dangerous Goods

IATA : International Air Transport Association

DATA SOURCES

NPIRI Raw Material Handbook, Volume 4, Pigments, Second Edition, 2001

Book on “Safe Handling of Pigments”, European Edition 1995, BCMA, EPSOM ETAD, VdMi

HSDB

NIOSH ICSC

Hazardous Substance Fact Sheet, New Jersey Department of Health and Senior Service

We have described our product concerning possible safety requirements by the above mentioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties