
LEGGARI

METALLIC PIGMENT

Bright Orange Safety Data Sheet

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1 | PRODUCT IDENTIFICATION



TRADE NAME (AS LABELED):

LEGGARI METALLIC PIGMENT - BRIGHT ORANGE

SUPPLIER/MANUFACTURER'S NAME:

LEGGARI PRODUCTS, LLC

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CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

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



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	55-60	Not Classified
Titanium dioxide	13463-67-7	236-675-5	77891	40-44	Not Classified
Tin oxide	18181-10-5	242-159-0	77861	0-1	Not Classified
Iron oxide	1309-37-1	215-168-2	77491	0-1	Not Classified



FIRST AID MEASURES FOR DIFFERENT EXPOSURE ROUTES

Inhalation	Remove casualty to fresh air and keep at rest
Skin contact	Wash affected skin with plenty of water
Eye contact	If in 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 whites

*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 X-Ray
b. Lung functionality tests



EXTINGUISHING MEDIA

Suitable extinguishing media: - Extinguish with waterspray, 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



PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

PERSONAL PRECAUTIONS

Do not breathe dust

PERSONAL PROTECTIVE 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

**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



SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

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 PROTECTION 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.



FORM:	Powder
COLOR:	Bright Orange
ODOR:	Odorless
PH:	6.0-9.0 (4% H ₂ O)
BOILING POINT, °C:	Not applicable
MELTING POINT, °C:	Decomposes
FREEZING POINT, °C:	Not applicable
DENSITY:	3.2-3.3 kg/L
BULK DENSITY:	31-35 g/100g
VAPOUR PRESSURE:	Not applicable
SOLUBILITY (IN WATER):	Insoluble
PARTICLE SIZE:	10-60µm



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)
CHEMICAL STABILITY:	Stable under normal conditions
POSSIBILITY OF HAZARDOUS REACTIONS:	None
CONDITIONS TO AVOID:	High temperature
INCOMPATIBLE MATERIALS:	Strongly acidic, strongly alkaline, oxidizing agents
DECOMPOSITION PRODUCTS:	No information available



INFORMATION ON TOXICOLOGICAL EFFECTS

THIS INORGANIC PIGMENT IN GENERAL IS CONSIDERED TO BE PRACTICALLY NONTOXIC.

Acute toxicity:	Not available
Carcinogenicity:	Not available

**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.



WASTE TREATMENT METHODS:

Dispose of contents in accordance with local, state or national legislation.



*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 MAPRPOL73/78 and the IBC Code	Not Applicable	Not Applicable	Not Applicable	Not Applicable

Hazard label(s): - Not Applicable
 Additional information: - Custom tariff No. 32061900



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



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

Prepared by:

LEGGARI PRODUCTS LLC

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