



SAFETY DATA SHEET

Revision Date 19-Jun-2018

Version 3

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product identifier

Product Name METALUSTRE (TM)
Description 10,420CP METAL ALUM 4%
POLYETHYLENE COMPOUND

Other means of identification

Product Code 1020712

Recommended use of the chemical and restrictions on use

Recommended use Production of polymeric products.
Uses advised against None known

Details of the supplier of the safety data sheet

Manufacturer
Teknor Color Company
505 Central Avenue
Pawtucket, RI 02861 USA
800-556-3864

SDS Contact (email of responsible person)

TeknorSDS@TeknorApex.com

Emergency telephone number

ChemTel 24-Hr Emergency Response Telephone Number:
USA Only: 800-255-3924
International: 001-813-248-0585
Contract #: MIS0006505
China: 0532-83889090

2. HAZARDS IDENTIFICATION

Classification

OSHA Regulatory Status

This chemical is not considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Label elements

The product contains no substances which at their given concentration, are considered to be hazardous to health

Appearance - Pellets

Physical State - Solid

Odor - No data available

Hazards not otherwise classified (HNOC)

None known

Unknown acute toxicity

Not Applicable

Other Information

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

The components of this product are embedded in an impervious polymer matrix and are therefore not biologically available. Any hazardous constituents are fixed in the polymer matrix and therefore present a negligible exposure risk under normal conditions of processing and handling. Additives contained in this product do not pose a risk to health unless they are liberated during processing (fumes from melting, dusts). Suitable Industrial Hygiene precautions should be implemented to prevent (respirable) dust and fume exposures. Exposure to (melting) fumes should be kept as low as possible, using suitable ventilation equipment. Dusts and fumes created from secondary processing may be irritating to respiratory tract and skin and should be considered as potentially hazardous. If user operations generate dust, fumes, or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Chemical Name	CAS No	weight-%
Mica-group minerals	12001-26-2	15 - 20
ALUMINUM	7429-90-5	<5

4. FIRST AID MEASURES**First Aid Measures**

Eye contact	Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if symptoms occur.
Skin Contact	Wash with soap and water.
Inhalation	None under normal use conditions.
Ingestion	Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms	No information available.
-----------------	---------------------------

Indication of any immediate medical attention and special treatment needed

Note to physicians	Treat symptomatically
---------------------------	-----------------------

5. FIRE-FIGHTING MEASURES**Suitable Extinguishing Media**

Dry chemical, CO2 or water spray.

Unsuitable Extinguishing Media No information available.**Specific hazards arising from the chemical**

Thermal decomposition can lead to release of irritating and toxic gases and vapors.

Hazardous combustion products

Carbon monoxide. Carbon dioxide (CO2). Aldehydes. Organic Vapors.

Explosion data

Sensitivity to Mechanical Impact	No information available.
Sensitivity to Static Discharge	Fine dust dispersed in air, in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.

Protective equipment and precautions for firefighters

Use personal protective equipment as required. In the event of fire and/or explosion do not breathe fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions Use personal protective equipment as required.

Other Information Not Applicable.

Environmental Precautions

Environmental Precautions Do not allow into any sewer, on the ground or into any body of water.

Methods and material for containment and cleaning up

Methods for Containment Prevent further leakage or spillage if safe to do so.

Methods for Clean-Up Pick up and transfer to properly labeled containers.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Use personal protective equipment as required. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed.

Incompatible Materials None known based on information supplied

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Mica-group minerals	TWA: 3 mg/m ³ respirable particulate matter	(vacated) TWA: 3 mg/m ³ respirable dust <1% Crystalline silica TWA: 20 mppcf <1% Crystalline silica	IDLH: 1500 mg/m ³ TWA: 3 mg/m ³ containing <1% Quartz respirable dust
ALUMINUM	TWA: 1 mg/m ³ respirable particulate matter	TWA: 15 mg/m ³ total dust TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 15 mg/m ³ total dust (vacated) TWA: 5 mg/m ³ respirable fraction (vacated) TWA: 5 mg/m ³ Al Aluminum	TWA: 10 mg/m ³ total dust TWA: 5 mg/m ³ respirable dust TWA: 5 mg/m ³ Al

Appropriate engineering controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Eye/face Protection Wear safety glasses with side shields (or goggles).

Skin and Body Protection No special technical protective measures are necessary.

Respiratory Protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical State	Solid	Odor	No information available
Appearance	Pellets	Odor Threshold	No information available
Color	No information available		

<u>Property</u>	<u>Values</u>	<u>Remarks - Method</u>
pH	Not Applicable	
Melting point/freezing point	Not Applicable	
Boiling point / boiling range	Not Applicable	
Flash Point	Not Applicable	
Evaporation Rate	Not Applicable	
Flammability (solid, gas)	Not Applicable	
Flammability Limit in Air		
Upper Flammability Limit	Not Applicable	
Lower Flammability Limit	Not Applicable	
Vapor Pressure	Not Applicable	
Vapor Density	Not Applicable	
Specific Gravity	Not Applicable	
Water solubility	Negligible	
Solubility in other solvents	Not Applicable	
Partition coefficient	Not Applicable	
Autoignition Temperature	Not Applicable	
Decomposition temperature	Not Applicable	
Kinematic viscosity	Not Applicable	
Dynamic viscosity	Not Applicable	
Explosive properties	Not Applicable	
Oxidizing properties	Not Applicable	

10. STABILITY AND REACTIVITY**Reactivity**

No data available.

Chemical stability

Stable under normal conditions.

Possibility of Hazardous Reactions

None under normal processing.

Conditions to Avoid

Avoid overheating to minimize fume production.

Incompatible Materials

None known based on information supplied.

Hazardous Decomposition Products

Carbon monoxide, Carbon dioxide (CO₂), Aldehydes, Organic Vapors

11. TOXICOLOGICAL INFORMATION**Information on likely routes of exposure**

Inhalation	Avoid breathing vapors or mists.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	

Information on toxicological effects

Symptoms No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.
Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
Aspiration hazard Not Applicable.

Numerical measures of toxicity - Product Information

No information available

12. ECOLOGICAL INFORMATION**Ecotoxicity**

No information available

Persistence and degradability

No information available.

Bioaccumulation

No information available.

Mobility

No information available.

Other adverse effects

No information available

13. DISPOSAL CONSIDERATIONS**Waste treatment methods**

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Dispose of in accordance with federal, state and local regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION**International Inventories**

TSCA Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

US Federal Regulations**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

SARA 311/312 Hazard Categories

Acute Health Hazard	NO
Chronic Health Hazard	NO
Fire hazard	NO
Sudden release of pressure hazard	NO
Reactive Hazard	NO

US State Regulations**California Proposition 65**

As formulated this product does not contain any Proposition 65 chemicals

Other Regulations**EU Regulation (EC) No. 1907/2006 (REACH)**

As formulated, this product does not contain any ingredients listed as an SVHC above 0.1%.

EU - Hazardous Substances Restricted or Prohibited in Electrical Equipment (2011/65/EU) (RoHS)

As formulated, this compound complies with the EU RoHS Directive (2011/65/EU) (RoHS 2, as amended by 2015/863) and does not contain any restricted materials above threshold levels.

Conflict Minerals

As formulated, the raw materials used in this product do not intentionally contain any of the "Conflict Minerals". Conflict Minerals consist of Gold, Columbite-Tantalite (Tantalum), Cassiterite (Tin), and Wolframite (Tungsten) that originate from the Democratic Republic of Congo or adjoining countries.

16. OTHER INFORMATION

<u>NFPA</u>	Health Hazards 0	Flammability 1	Instability 0	Physical and Chemical Properties -
--------------------	-------------------------	-----------------------	----------------------	---

Revision Date 19-Jun-2018

Disclaimer

To the best of our knowledge, the information contained herein is correct and accurate but does not purport to be all inclusive and shall be used only as a guide. The information relates only to the specific material designated. Teknor Apex, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Teknor Apex Company warrants only that the goods sold shall conform to Teknor Apex Company's standard specifications or such other mutually agreed-to and documented specification. This express warranty is in lieu of and excludes all other express warranties and is extended only to Buyer. TEKNOR APEX COMPANY EXPRESSLY DISCLAIMS ALL OTHER WARRANTIES INCLUDING THE WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND MAKES NO WARRANTY AS TO THE RESULTS BUYER CAN EXPECT FROM BUYER'S USE OF THE GOODS. No employee or agent of Teknor Apex Company is authorized to make warranties about goods sold by Teknor Apex Company, and Buyer should not rely on any oral or written communications from employees or agents of Teknor Apex Company that purport to constitute a warranty. Any assistance furnished by Teknor Apex Company in the selection of goods or suggestions as to their processing or use are accepted by Buyer at Buyer's own risk, and Teknor Apex Company shall not be liable to Buyer for results obtained by Buyer from such assistance or suggestions. In no event and under no circumstances will Teknor Apex Company be liable for consequential damages of any kind.

End of Safety Data Sheet