

Safety Data Sheet (SDS)

Understood Mica SDM-C1976

Section 1:

Company Identification

Product Name: Understood (Gold, Yellow, Green, Blue)

Catalog Number: SDM-C1976

Use: Colorant

Section 2:

Hazard(s) Identification

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

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Section 3:

Composition/Information on Ingredients

Chemical Family: Mica, Iron Oxide, Silica. Contains no hazardous ingredients

Common and chemical name	CAS No.	INCS No.	Color 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	32-40	not classified
Iron oxide	1309-37-1	215-168-2	77491	19-24	not classified
Silica	7631-86-9	231-545-4		41-47	not classified

Section: 4

First-Aid Measures

Inhalation: In case of inhalation, move casualty to fresh air and keep at rest

Skin Contact: Wash affected skin with plenty of water

Eye Contact: If contacted with eyes directly, flush thoroughly with gently flowing fresh water; if eye irritation persists, seek medical attention

Ingestion: If ingested, rinse mouth with fresh water, then drink milk

Notes to Physician: none

Most important system and affects, 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

Recommend: a. Chest X-ray

b. Lung functionality test

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Section 5:

Firefighting Measures

Suitable extinguishing equipment: Extinguish with water spray, foam or dry chemical

Unsuitable extinguishing equipment: Carbon dioxide

Special hazards arising from substance or mixture

Thermal Hazard: not applicable, material does not burn

Firefighting Advice: Positive pressure, supplied air respiration

Section 6:

Accidental Release Measures

Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not breathe dust

In case of emergency: A self-contained breathing apparatus and suitable protective clothing should be worn

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

Containment and cleaning up: Collect with a wet towel, or vacuum with HEPA filter and dispose of according to Section 13.

References to other sections: Refer to sections 8 through 13

Section 7:

Handling and Storage

Precautions for safe handling: Avoid breathing dust

Conditions for safe storage: Store material in sealed container, in a well-ventilated area and in a cool dry place.

Specific end use: not known

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Section 8:

Exposure Controls and Personal Protection

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

Exposure limit values: none known

Exposure controls

Appropriate engineering controls: Provide adequate ventilation to ensure that the chance of exposure is lessened. Isolate the dispersive process by installing local exhaust ventilation or general ventilation of the work area.

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

PPE - Personal Protective Equipment:

Eyes: Wear protection with side shields, goggles will give full protection to eyes

Skin/hands: Wear nitrile or rubber gloves for safe handling, and apron

Respiratory: NIOSH approved respirator for nose and mouth

Section 9:

Physical and Chemical Properties

Form: Powder

Color: Gold, Yellow, Green, Blue

pH: 6.0 - 9.0

Odor: Odorless

Boiling point: not applicable

Melting point: Decomposes

Freezing point: not applicable

Density: 2.6 – 3.0 kg/L

Bulk Density: 20-28g/100g

Oil Solubility: Insoluble

Water Solubility: Insoluble

Nano Particles: none

Particle Size: 10-60µm

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Section 10:

Stability and Reactivity

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

Chemical stability: Stable under normal conditions

Material Stability: Stable

Hazards and Conditions to avoid: none

Possibility of hazardous reactions: none

Conditions to avoid: High temperatures

Incompatible materials: Strongly acidic, strongly alkaline, oxidizing agents

Section 11:

Toxicological Information:

Information of toxicological effects. These pigments are generally considered non-toxic.

Acute Toxicity: not available

Carcinogenicity: not available

Section 12:

Ecological Information:

Toxicity: no data

Persistence and degradability: Insoluble in water. This product will not degrade in soil or in water

Bio-accumulative potential: no data

Mobility in soil: not applicable

Results of PBT and vPvB: not applicable

Section 13:

Disposal Conditions:

US EPA Waste Number: none

This material is non-hazardous. Dispose of responsibly as local laws in your state, region or area are properly determined.

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Section 14:

Transport Information:

Not classified as dangerous to 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(s)	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 MARPOL73/78 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:

United States: The ingredients listed in this material are compliant with the TSCA and are being sold in compliance with FDA guidelines (21 CFR Part 73 Subpart C-Cosmetics)

US Federal Regulations:

SARA 311/312 Hazard Categories: Acute health hazard.

CAA 602 Ozone Depleting Resources: This product does not contain or is manufactured with an ozone depleting substances subject to the Clean Air Act Amendments 1990 and 40 CFR Part 82 and it's labeling requirements.

VOC Content: None

WHMIS Classification: None

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Section 16:

Other Information:

Annex to the extended safety data sheets (eSDS)

Abbreviations and acronyms:

- ADR: The European Agreement concerning the International Carriage of Dangerous Goods by Road
- ADN: The European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- IMDG: International Maritime Code for Dangerous Goods
- DOT: US Department of Transportation
- IATA: International Air Transport Association
- ACGIH: American Conference of Governmental Industrial Hygienists
- EINECS: European Inventory of Existing Commercial Chemical Substances
- CAS: Chemical Abstracts Service (division of the American Chemical Society)
- NFPA: National Fire Protection Association
- HMIS: Hazardous Materials Identification System
- PBT: Persistent, Bio accumulative and Toxic
- vPvB: Very Persistent and very Bio accumulative
- NIOSH: National Institute for Occupational Safety and Health
- OSHA: Occupational Safety & Health Administration
- TLV: Threshold Limit Value
- PEL: Permissible Exposure Limit
- REL: Recommended Exposure Limit

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This Document was prepared in accordance to: OSHA's - The Hazard Communication Standard for Safety Data Sheets (HCS) (29 CFR 1910.1200(g))

-Disclaimer-

The information and recommendations in this material safety data sheet are, to the best of our knowledge, accurate as of the date of issue. Nothing herein shall be deemed to create warranty, expressed or implied, and shall not establish a legally valid contractual relationship. It is the responsibility of the user to determine applicability of this information and the suitability of the material or product for any particular purpose. Including but not limited to its incorporation or transformation into other products and/or mediums.