

SAFETY DATA SHEET

According to OSHA Hazard Communication
Standard 29CFR 1910.1200 (HCS 2012)



VETRICERAMICI

SEDE LEGALE e A.M.M. V.A. - HUB TECNOLOGICO, R&D
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Responsible Care



ISO 14001:2015 Sito di Fiorano Modenese

1157564

1CX 13100I YELLOW GLAZE STAIN

Product specification: -

Review date: 22/01/2024

Review: 0

Print Date: 19/06/2024

Material number: 1157564

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SECTION 1. IDENTIFICATION

Product name : **1157564**
1CX 13100I YELLOW GLAZE STAIN

UFI Code: QH30-P0Y5-S00T-SRQJ

Material number : **1157564**

Manufacturer or supplier's details

Company name of supplier : VetriCerAMICI SRL
Address : Via Canaletto, 138/140 - 41042 Fiorano Modenese (MO) - Italy - Tel. +39 0536 836711
Telephone :

Emergency telephone number

In-Country Number : See also section 16
CHEMTREC Global Number : -

Recommended use of chemical and restrictions on use

Recommended use : Ceramic Applications
Consult the technical guidelines for the use of this substance/mixture.



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SECTION 2. HAZARD IDENTIFICATION

GHS Classification

The product does not present risks for user's health if he applies the habitual precaution on the use of the chemical products

GHS Label element

Danger indications:
Signal word: -

EUH210 Safety data sheet available on request.

Other hazards

None know.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : **Mixture**
Chemical nature : Pigment/Colouring

Hazardous components

Zirconium praseodymium yellow zircon CAS: 68187-15-5; EINECS: 269-075-7	40,00% - 70,00%
Crystalline free silica CAS: 14808-60-7; EINECS: 238-878-4	0,50% - 1,00%
STOT RE 1;H372	

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SECTION 4. FIRST AID MEASURES

- General advice : Consult a physician.
- If inhaled : Remove to fresh air.
If symptoms persist, call a physician.
- In case of skin contact : If skin irritation persists, call a physician.
- In case of eye contact : Rinse immediately with plenty of water and seek medical advice.
- If swallowed : If accidentally swallowed obtain immediate medical attention.
- Most important symptoms and effects, both acute and delayed : None known.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.
- In case of fire, intervene immediately with the equipment on the means for the ADR transport to extinguish the fire and prevent it from affecting the product. Do not use chemical or powder extinguishers on the product.

SECTION 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Follow safe handling advice and personal protective equipment recommendations.
- Environmental precautions : Do not allow uncontrolled discharge of product into the environment.
- Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.
Clean contaminated floors and objects thoroughly while observing environmental regulations.

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Avoid inhalation, ingestion and contact with skin and eyes.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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Components with workplace control parameters

TLV (ACGIH)	Zirconium praseodymium yellow zircon TWA: 3 mg/mc (respirable fraction) - STEL: 10 mg/mc (inhalable fraction)
TLV (ACGIH)	Crystalline free silica TWA: 0,025 mg/mc (respirable fraction)
OEL (UE Directive 2398/2017)	Crystalline free silica 0,1 mg/mc
VLEP (D. Lgs. 81/2008)	Crystalline free silica 0,1 mg/mc
NDS	Crystalline free silica 2*; 0,3** (*pyl calkowity; **pyl respirabilny)

Engineering measures : Apply technical measures to comply with the occupational exposure limits.
Provide adequate ventilation.

Personal protective equipment

Respiratory protection : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

Hand protection : For prolonged or repeated contact use protective gloves.

Eye protection : Safety glasses

Protective measures : Wear suitable protective equipment.
When using do not eat, drink or smoke.

Hygiene measures : Wash hands before breaks and immediately after handling the product.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: Powder
Colour	: Coloured (Giallo/Yellow)
Odour	: Odourless
Odour Threshold	: No data available
pH	: Undetermined
Melting point/freezing point	: Undetermined
Boiling point/boiling range	: No data available
Upper explosion limit	: No data available
Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Density	: Undetermined
Viscosity	: Undetermined
Solubility(ies)	
Solubility in other solvents	: Not soluble
Auto-ignition temperature	: Not applicable
Combustibility	: Not combustible
Corrosive	: Not corrosive
Volatile	: Not Volatile
Oxidizing properties	: No data available
Refractive index	: No data available
Volatile organic compounds (VOC) content	: This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489). This product does not contain any VOC exemptions listed under the U.S. Clean Air Act Section 450.

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
Chemical stability	: The product is chemically stable.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Specific information about the product are not available.

The following information are assumed from the toxicological behaviour of the components; whenever they are available.

QUARTZ – FREE CRYSTALLINE SILICA

PENETRATION METHODS:	inhalation.
ACUTE TOXICITY:	prolonged and repeated exposure to fine crystalline silica dust may cause silicosis.
CANCEROGENESIS:	- IARC (International Agency for Research on Cancer) has classified crystalline silica as a probable cause of lung cancer in humans (group 2A); furthermore, it asserts that the carcinogenic effects depend not only on the characteristics of the substance, but also on the physical-biological characteristics of the environment and the person (IARC Monographs, vol. 68, 1997). - IOM (Institute of Occupational Medicine) maintains that the results of epidemiological research are as yet insufficient to establish a direct correlation between crystalline silica and the onset of lung cancer in humans, but has observed a tendency to develop the disease in patients affected by silicosis.

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SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

At the moment specific data are available on the environmental impact of the product.
It is recommended to limit the leakage in the environment as much as possible.

Persistence and degradability

Remarks: No data available

Bioaccumulative potential

Remarks: No data available

Mobility in soil

Remarks: No data available

Other adverse effects

Product

Ozone-Depletion Potential : Regulation: 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances
Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B)

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

SECTION 14. TRANSPORT INFORMATION

14.1 UN number or ID number

Not restricted

14.2 UN proper shipping name

Not restricted

14.3 Transport hazard class(es)

Not restricted

14.4 Packing group

Not restricted

14.5 Environmental hazards

Environmentally hazardous substance: Not restricted

Marine pollutant: Not restricted

14.6 Special precautions for user

Not restricted

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

There aren't other informations

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

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SECTION 15. REGULATORY INFORMATION

TSCA list : TSCA_12b - Not relevant

TSCA list : TSCA 5a - Not relevant

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

This material does not contain any components with a CERCLA RQ.

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 311/312 Hazards : No SARA Hazards

SARA 302 : This product contains components that are reportable under the regulation.

SARA 313 : This product contains components that are reportable under the regulation.

Clean Air Act

This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B).

This product does not contain any hazardous air pollutants (HAP), as defined by the U.S. Clean Air Act Section 12 (40 CFR 61).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 112(r) for Accidental Release Prevention (40 CFR 68.130, Subpart F).

This product does not contain any chemicals listed under the U.S. Clean Air Act Section 111 SOCM I Intermediate or Final VOC's (40 CFR 60.489).

Clean Water Act

This product does not contain any Hazardous Substances listed under the U.S. CleanWater Act, Section 311, Table 116.4A.

This product does not contain any Hazardous Chemicals listed under the U.S. CleanWater Act, Section 311, Table 117.3.

This product contains components that are reportable under the regulation.

Massachusetts Right To Know : This product contains components that are reportable under the regulation.

Pennsylvania Right To Know : This product contains components that are reportable under the regulation.

New Jersey Right To Know : This product contains components that are reportable under the regulation.

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

EINECS (European Union) : On the inventory, or in compliance with the inventory

SWISS (Switzerland) : On the inventory, or in compliance with the inventory

TSCA (United States) : On TSCA Inventory

DSL/NDSL (Canada) : All components of this product are on the Canadian DSL.

AICS (Australia) : On the inventory, or in compliance with the inventory

NZioC (New Zealand) : On the inventory, or in compliance with the inventory

ENCS (Japan) : On the inventory, or in compliance with the inventory

ISHL (Japan) : On the inventory, or in compliance with the inventory

KECI (Korea) : On the inventory, or in compliance with the inventory

PICCS (Philippines) : On the inventory, or in compliance with the inventory

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IECSC (China)	:	On the inventory, or in compliance with the inventory
TCSI (Taiwan)	:	On the inventory, or in compliance with the inventory
CICR (Turkey)	:	On the inventory, or in compliance with the inventory
INSQ (Mexico)	:	On the inventory, or in compliance with the inventory

The indications in the following sheet are based on the knowledge presently available.
We do not assume any responsibility about their incompleteness and imprecision.

Poison control centers (national)

CAV - Ospedale Pediatrico Bambino Gesù - Dip. Emergenza e Accettazione (Roma) - Tel. +39 06 68593726

Azienda Ospedaliera Università di Foggia (Foggia) - Tel. 800183459

Azienda Ospedaliera "A. Cardarelli" (Napoli) - Tel. +39 081 5453333

CAV - Policlinico "Umberto I" (Roma) - Tel. +39 06 49978000

CAV - Policlinico "A. Gemelli" (Roma) - Tel. +39 06 3054343

Azienda Ospedaliera Careggi U.O. Tossicologia Medica (Firenze) - Tel. +39 055 7947819

CAV - Centro Nazionale di Informazione Tossicologica (Pavia) - Tel. +39 0382 24444

Ospedale Niguarda Ca' Granda (Milano) - Tel. +39 02 66101029

Azienda Ospedaliera Papa Giovanni XXII (Bergamo) - Tel. 800883300

Azienda Ospedaliera Integrata Verona (Verona) - Tel. 800011858

Poison control centers (international)

France 0033 (0) 1 454259 9

United Kingdom 0845 4647

Spain 0034 91 562 04 20

Czech Republic 224 919293 / 224 915402

Portugal 808 250143

Hungary 06 1 476 6464

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SECTION 16. OTHER INFORMATION

Revision Date : 22/01/2024

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

US / EN

Relevant sentences

H372

Causes damage to organs through prolonged or repeated exposure.

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Full text of abbreviations used

RID: Regulations Concerning the International Transport of Dangerous Goods by Rail

ICAO: International Civil Aviation Organisation

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Acute Tox. n: Acute toxicity Category n

Asp. Tox. n: Toxic if inhaled Category n

Carc. nn: Carcinogenic Category nn

Expl. n.n: Explosive Category n.n

Eye Dam. n: Serious eye damage Category n

Eye Irrit. n: Serious eye irritation Category n

Flam. Aerosol n: Flammable aerosol Category n

Flam. Gas n: Flammable gas Category n

Flam. Liq. n: Flammable liquid and vapour Category n

Flam. Sol. n: Flammable solid Category n

Lact.: Lactation

Met. Corr. n: Metals corrosive Category n

Muta. nn: Mutagen Category nn

Org. Perox. n: Organic peroxide Category n

Ox. Gas n: Oxidizing gas Category n

Ox. Liq. n: Oxidizing liquid Category n

Ox. Sol. n: Oxidizing solid Category n

Press. Gas: Gas under pressure

Pyr. Liq. n: Liquid pyrophoric Category n

Pyr. Sol. n: Solid pyrophoric Category n

Repr. nn: Toxic for reproduction Category n

Resp. Sens. n: Respiratory sensitizer Category n

Self-heat. n: Self-heating Category n

Self-react. n: Self-reactive Category n

Skin Corr. n: Skin corrosive Category n

Skin Irrit. n: Skin irritating Category n

Skin Sens. n: Skin sensitizer Category n

STOT RE n: Specific target organ toxicity: single exposure Category n

STOT SE n: Specific target organ toxicity: repeated exposure Category n

Unst. Expl.: Explosive

Water-react. n: Water reactive Category n



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