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Material Safety Data Sheet

1. SUBSTANCE/PREPARATION AND COMPANY IDENTIFICATION

PRODUCT CODE: KOC034
CHEMICAL FAMILY: SYNTHETIC CHROME OXIDE
FDA DESCRIPTION NAME: CHROMIUM(III) OXIDE
PRODUCT NAME: SQ Pure color pigment - Chromium Oxide
green - SQ Zuiver kleur pigment - Chroom
Groen

USE DESCRIPTION

Purified colors are manufactured for use in a variety of cosmetic applications. These products are produced to the highest purity standards possible.

Supplier : SoapQueen vof - SQ-Natural
Veilingdreef 20
4614 RX Bergen op Zoom
The Netherlands
Tel. +31 (0)164 254900

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Name: Chromium Oxide Green
CAS: 1308-38-9
RTECS #: GB6475000
Fraction by Wt: ≥97.00%

3. HAZARDS IDENTIFICATION

Exposure to a large single doses may cause sneezing and dryness of mucous membranes. Could cause irritation of the mucous membranes and respiratory tract.

Routes of Exposure: Ingestion, inhalation, eye contact

Target organs: None identified
Symptoms of overexposure:

Inhalation: Low oral toxicity. Dust may irritating. Prolonged inhalation of air-born dust may cause scarring of the lungs (pulmonary fibrosis).

Ingestion: Considered harmless and inert when ingested

Dermal Contact: Can cause dryness, or may cause mild irritation.

Acute Effects: None identified

Chronic Effects: Repeated exposure may cause conjunctival inflammation.

4. FIRST AID MEASURES

EYE CONTACT

Flush eyes thoroughly with large amounts of water for at least fifteen minutes. Get medical attention.

SKIN CONTACT

Wash skin with water and apply moisturizers to relieve dryness. Seek medical attention in the unlikely event that irritation occurs.

INHALATION

Remove to fresh air. Get medical attention if breathing is difficult.

INGESTION

Do not give anything by mouth to an unconscious person. Do not induce vomiting. Get immediate medical attention.

5. FIRE FIGHTING MEASURES

Nonflammable inorganic pigment product.

Extinguishing Media

Carbon dioxide, dry chemical or foam recommended. Apply water spray to cool exposed closed containers.

Special Fire-Fighting Procedures

Self-contained breathing apparatus (SCBA) and full protective equipment recommended.

Unusual Fire and Explosion Hazards This

product will not burn.

General Hazard

This inorganic pigment will not burn, and has a low level of fire hazard.

FLAMMABILITY DATA

Flash Point: Non-flammable material

Flammability Limits: Not applicable

Autoignition Temperature: Not applicable

Dust Cloud Ignition Temperature: Not applicable

Dust Layer Ignition Temperature: Not applicable

| NFPA | RATINGS | HMIS | RATINGS |
|---------------|---------|---------------|---------|
| Health: | 0 | Health: | 0 |
| Flammability: | 0 | Flammability: | 0 |
| Reactivity: | 0 | Reactivity: | 0 |

6. ACCIDENTAL RELEASE MEASURES

Small Spill

For dry powder spills, inert materials such as sand may be added to control dusting prior to cleanup. Place spilled material into appropriate waste containers for disposal.

Large Spill

Contain spilled material immediately with an inert substance such as sand or earth. Transfer diluted waste material into appropriate containers for disposal.

7. HANDLING AND STORAGE

Handling

Avoid employee exposure through the use of appropriate engineering controls and good industrial hygiene practices.

Storage

Store in a moderately cool, dry, well-ventilated area away from direct sources of heat. Empty containers may contain product residues and should be handled appropriately. Position containers so that any labelling information is visible.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

The use of local exhaust ventilation is recommended.

Personal Protection

NIOSH approved dust respirators are recommended when handling in areas of pigment dusting. Safety glasses are also recommended. Impervious clothing should be worn when gross contact is likely, such as when cleaning up spills of large amounts.

Exposure Limits

OSHA TWA=2 mg/m³

ACGIH TWA=2 mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Fine powder

ODOR: “Earthy” odor

MELTING POINT: No data

DENSITY: 2.7-2.8g/cm³

SOLUBILITY: Insoluble

PERCENT VOLATILE: None

VAPOR PRESSURE: Not applicable

MOLECULAR FORMULA: Cr₂O₃

VOLATILE ORGANIC COMPOUNDS (VOC's): None

10. STABILITY AND REACTIVITY

GENERAL:

This product is a stable compound and hazardous polymerization will not occur.

INCOMPATIBILITY:

None known under conditions of normal use.

HAZARDOUS DECOMPOSITION PRODUCTS:

None known.

11. TOXICOLOGICAL INFORMATION

GENERAL

Based upon industry-wide experience over many years of manufacturing and published toxicological studies, many inorganic pigments in general are considered to be practically non-toxic. This low order of toxicity is probably due to the fact that inorganic pigments are somewhat inert and insoluble substances.

ACUTE (SHORT-TERM) TOXICITY

No known published data available.

CHRONIC (LONG-TERM) TOXICITY

No known published data available.

MUTAGENICITY

No known published data available.

12. ECOLOGICAL INFORMATION

This product has not been evaluated for its ecotoxicity. However, the biodegradation of inorganic colorants under aerobic conditions is expected to be poor and there is no evidence to suggest they create any significant ecological problems when released into the environment. Since inorganic pigments are mostly insoluble compounds, they are believed to have minimal bioaccumulation and bioavailability characteristics.

13. DISPOSAL CONSIDERATIONS

General

This product must be disposed of in accordance with all applicable federal, state and local regulations.

Waste Management

- . Incineration or landfilling are recommended disposal techniques. Contact the state or local environmental agency for specific rules.

14. TRANSPORT INFORMATION

D.O.T. SHIPPING NAME (49 CFR 172.101-102) : Not regulated

D.O.T. HAZARD CLASS (49 CFR 172.101-102).....: None

D.O.T. LABEL.....: None

D.O.T. PLACARD.....: None

BILL OF LADING DESCRIPTION.....: Dry Pigments

CERCLA SUBSTANCE (49 CFR).....: Not regulated

REPORTABLE QUANTITY (RQ).....: None

INTERNATIONAL

UN/NA NUMBER.....: Not regulated

IMDG/IACO CLASSIFICATION.....: Not regulated

IATA CLASSIFICATION.....: ~~Not regulated~~

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

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 abovementioned information given to the best of our knowledge and experience. All data given are never meant to guarantee any quality description nor product properties