

SECTION 1: COMPANY AND PRODUCT INFORMATION

1.1 GHS Product Identifier

Commercial Product Name: Antique Release Agent

Chemical Name: Mixture of Pigments, Calcium Stearate and Magnesium Silicate Hydrate

1.2 Relevant identified uses of product:

Product is a dry powder release agent with pigments used for application on freshly-placed concrete to facilitate stamp tool and embossing skin release during imprinting and to provide antiqued or variegated coloration.

This product is intended for use only by professionals.

1.3 Details of the supplier of the safety data sheet:

Deco-Crete Supply Inc.

133 North Kohler Road

Orrville, Ohio 44667

(330) 682-5678

1.4 Transportation Emergency Telephone Number: InfoTrac 800-535-5053

SECTION 2 : HAZARD IDENTIFICATION

2.1 Classification of substance or mixture:

Human Health:

Product contains respirable silica. Properly fitted dust type respirators can control respirable silica exposure.

Product may contain titanium dioxide, which is considered to be a class 2B carcinogen by IARC.

Acute toxicity, dermal, SE, H316, category 3

Acute toxicity, Inhalation, SE, STOT, lungs, H332, category 4

Carcinogenicity, Inhalation, RE, STOT, lungs, H351, category 2

Environment: Product is not dangerous to the environment.

2.2 Label elements:

GHS Hazard (H) Statements:

Acute Toxicity

H316--Causes mild skin irritation

H332--Harmful if inhaled

Chronic Toxicity

H350--Toxic by inhalation, RE, over long periods of time, may cause cancer (silicosis).

GHS Precautionary (P) Statements:

Prevention Precautionary Statements

P102--Keep out of reach of children

P202--Do not handle until all safety precautions have been read and understood

P280--Wear eye protection/face protection

P284--In case of inadequate ventilation, wear respiratory protection

Response Precautionary Statements

P301+P330+P331--IF SWALLOWED: Rinse mouth, do NOT induce vomiting.

GHS Category Key

1 = most hazardous

5 = least hazardous



GHS Pictogram

GHS Signal Word: **WARNING**

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P302 + P352--IF ON SKIN: Wash with plenty of water

P304 + P340--IF INHALED: Move person to fresh air and keep comfortable for breathing

P305 + P351 + P338--IF IN EYES: Rinse cautiously with water for 15 minutes. Remove contacts and continue rinsing.

P337+P313--If eye irritation persists, get medical attention/advice.

Disposal

P501--Dispose of contents/container in accordance with applicable local/state/federal waste regulations

2.3 Other hazards:

No other hazards are known.

Refer to Section 16 for wording of terms.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Main Constituent: Magnesium Silicate Hydrate

3.2 Mixture:

Components of Mixture	CAS #	EINECS #	Weight %
Magnesium Silicate Hydrate, Talc	14807-96-6	238-877-9	50 - 70%
Calcium Stearate	1592-23-0	216-472-8	10 - 30%
Various pigments, iron oxides	Mixtures	Mixtures	10 - 35%
Titanium Dioxide	13463-67-7	236-675-5	0 - 25%

Talc can contain up to 1.0% respirable silica

Pigments are classified as nuisance particles

Titanium Dioxide is an IARC 2B carcinogen

The exact percentages in this composition have been withheld as trade secrets.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures:

Eye Contact : Quickly flush with plenty of clean water for 15 minutes. Remove contact lenses if easy to do. Open eyelids widely during flushing. If eye irritation persists, transport person to hospital emergency room and bring these instructions for doctor. Provide easy access to eye wash station in work area.

Inhalation: Move person to fresh air, make comfortable for breathing. Get medical attention if condition worsens.

Skin Contact: May result in skin irritation. Remove contaminated clothing. Wash skin with soap and water.

Ingestion: If swallowed, call a POISON CENTER (800) 222-1222 or 911 for instructions on first aid treatment.

4.2 Most important symptoms and effects both acute and delayed:

Eye contact with product can cause irritation. If irritation persists after rinsing eye take person to an emergency room.

Repeated inhalation of respirable silica over long periods of time increases the risk of developing lung disease.

4.3 Indication of any immediate medical attention and special treatment needed:

Primary routes of entry include: Inhalation (dust), Eye Contact, Skin Contact. Eye contact requires immediate first aid.

Refer to SECTION 11 for more detailed information on health effects and symptoms.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media: Use fire extinguishing media appropriate for surrounding fire.

5.2 Special Hazards arising from the substance or mixture:

Fire Hazard: May form flammable dust-air mixtures. Extinguish all sources of flame/ignition in work area.

Explosion Hazard: See Fire Hazard above.

Reactivity: Hazardous reactions will not occur.

5.3 Advice for fire-fighting:

Use normal fire fighting protective equipment.

SECTION 6: ACCIDENTAL RELEASE MESURES

6.1 Personal precautions :

General measures: Use personal protective equipment. Provide adequate ventilation.
 Protective equipment: Wear suitable eye protection and if ventilation is not adequate wear a particulate respirator.

6.2 Environmental precautions:

Avoid discharge into waterways, sewers and soil.

6.3 Methods and material containment and cleaning up:

Method of cleaning up: Collect material in dry state if possible. Avoid generating dust. Recover product by vacuuming, shoveling or sweeping. Use a HEPA filter on vacuum exhaust to prevent release of particulates into air.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling:

Do not breathe dust. Avoid creating or spreading dust. Handle in accordance with good industrial hygiene procedures. Always wash hands immediately after handling product. Do not eat or drink in area where product is being used. Prolonged or repeated exposure to respirable silica can cause silicosis.

7.2 Conditions for safe storage including any incompatibilities:

Store in a covered dry shaded area. Avoid contact with water.

7.3 Specific end uses:

This product is intended for use only by professionals to facilitate stamping and coloring freshly-placed (new) concrete.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control Parameters

Components of Mixture	ACGIH TLV	OSHA 8 hr TWA	NIOSH (TWA)
Magnesium Silicate Hydrate, Talc	2 mg/m ³	2 mg/m ³ <1% RS	2 mg/m ³ <1% RS
Calcium Stearate	10 mg/m ³	15 mg/m ³	not listed
Pigments, metal oxides, nuisance dusts	NDA	NDA	NDA
Titanium Dioxide	10 mg/m ³	15 mg/m ³	

RS = Respirable silica NDA = No Data Available

8.2 Exposure controls:

Avoid breathing dust. Inhalation can cause irritation of the respiratory tract.

Engineering measures: Use only with adequate ventilation in work area. Keep worker exposure of dust and airborne particulates below PEL and TLV limits in section 8.1

8.3 Individual protective measures:

Eye/face protection: Wear tight fitting goggles or safety glasses with side shields to protect eyes.

Skin protection: Wear rubber gloves, apron or coat to protect skin.

Respiratory Protection: In case of inadequate ventilation, or where exposure levels are over the limits in section 8.1, wear a proper NIOSH approved particulate respirator, with N95 or P100 type filters.

Hygiene measures: Wash hands after exposure, Remove contaminated clothing, shower and wash with plenty of soap and water. Wash contaminated clothing prior to reuse.

Environmental exposure controls: Have an eye wash station near work area.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information of basic physical and chemical properties

	Value/Result
a) pH	not applicable
b) Color	various colors
c) Odor	not applicable
d) Freezing/Melting Point	not applicable

e) Boiling Range	not applicable
f) Flash Point	not applicable
g) Autoignition Temperature	750 °F (399 °C)
h) Explosive Limits UEL	no data available
i) Explosive Limits LEL	0.025 g/L
j) Flammability (solid, gas)	Mixtures of dust and air can be combustible.
k) Vapor Pressure	not applicable
l) Vapor density vs air = 1.0	not applicable
m) Density, Sp Gr	2.0-4.5
n) Solubility in water	low solubility in water
o) KOW Partition Coefficient	not applicable
p) Evaporation Rate	not applicable
q) Viscosity	not applicable
r) VOC	0.0 g/L (0.0 lb/gal)

9.2 Other information: No other information is available

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity:	Not reactive
10.2 Chemical stability:	Product is stable under most common conditions.
10.3 Possibility of hazardous reactions:	Hazardous reactions do not normally occur.
10.4 Conditions to avoid:	Do not create dust. Extinguish all sources of ignition to prevent fires.
10.5 Incompatible materials:	No incompatible materials are known.
10.6 Hazardous decomposition products:	No hazardous decomposition products are known.

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicological results of testing	*type of mammal not specified		
Chemical Name	LD ₅₀ rat Oral	LC ₅₀ inhalation	LD ₅₀ Other Exposure Route
Magnesium Silicate Hydrate, Talc	500 mg/kg	no data available	no data available
Calcium Stearate	10 g/kg	mg/m ³ 4 hr (*mammal)	10 g/kg mouse intraperitonea
Various pigments, metal oxides	nuisance dust	nuisance dust	nuisance dust
Titanium Dioxide	>5,000 mg/m ³	>6.82 mg/L	>10,000 mg/kg rabbit dermal

a) acute toxicity,	Not classified as an acutely toxic material.
b) skin corrosion/irritation,	Exposure of skin to product can cause mechanical irritation.
c) serious eye damage/irritation,	Exposure of eyes to product can cause serious mechanical irritation
d) respiratory or skin sensitization,	Product does not cause skin sensitization
e) germ cell mutagenicity	Product does not cause germ cell mutagenicity.
g) reproductive toxicity,	No data available
h) STOT-single exposure,	Product in eyes can cause serious irritation, immediate first aid is required.
i) STOT-repeated exposure,	Inhalation of silica (up to 1% respirable silica) after prolonged & repeated exposure can cause permanent lung injury, lung cancer (silicosis).
J) aspiration hazard,	Product is not an aspiration hazard.
11.1 Inhalation:	Product dust may irritate throat and respiratory system and cause coughing.
11.2 Skin contact:	Product dust has an irritating effect on moist skin.
11.3 Eye contact:	Product in contact with eyes may result in mechanical irritation , immediate first aid is required.
11.4 Ingestion:	Product ingestion in small quantities may cause minor discomfort.

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11.5 Specific effects: Frequent inhalation over a long period of time increases the risk of developing lung disease.

SECTION 12: ECOLOGICAL INFORMATION

Chemical Name	Aquatic Toxicity Fish			Aquatic Toxicity Invertebrates		
	LC ₅₀	Species	Interval	EC ₅₀	Species	Interval
Magnesium Silicate Hydrate, Talc	>100 g/L (Static)	Danio rerio	96 hr	NDA	NDA	NDA
Calcium Stearate	NOEC 2.2 mg/L	Leuciscus idus	NDA	NDA	NDA	NDA
Various pigments, metal oxides	NDA	NDA	NDA	NDA	NDA	NDA
Titanium Dioxide	1,000 mg/L	Pimphales prom	96 hr	1,000 mg/L	Daphnia magna	48 hr

12.1 Toxicity:

NDA = No Data Available

Ecotoxicity: This product is not expected to be hazardous to the environment.

12.2 Persistence and degradability:

Degradability: Calcium Stearate biodegradability is 95% after 28 days (OECD Guideline 301D)

12.3 Bioaccumulative Potential:

Bioaccumulative Potential: No information is available on bioaccumulative potential.

12.4 Mobility in soil:

Mobility: No information is available on mobility in soil.

Results of PBT and vPvB assessment

PBT/vPvB: Mixture is inorganic and is not relevant for PBT or vPvB assessment

Other adverse affects: No other adverse effects are known.

SECTION 13: DISPOSAL CONSIDERATIONS
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13.1 Waste treatment methods:

GHS P501-Dispose of contents/container according to local/state/regional/federal regulations.

SECTION 14: TRANSPORT INFORMATION
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This product is not covered by international regulation of the transport of dangerous goods (IMDG, IATA, ADR, RID)

DOT: Not regulated

14.1 UN Number: Not regulated

14.2 UN proper shipping name: Not classified as dangerous goods under DOT and UN regulations.

14.3 Transport hazard class(es): Not regulated

14.4 Packing group: Not regulated.

Packaging group: Not regulated

14.5 Environmental hazards

Marine pollutant: Not regulated.

Environmentally hazardous substance: Not applicable.

14.6 Special precautions for user: None known.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and IBC Code: Not regulated.

SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for substance or mixture.

OSHA Hazcom 2012, 29 CFR 1910.1200 and regulation (EC) No 1272/2008 (CLP) of the European Parliament

15.2 Chemical Safety Assessment: Not relevant

For information on labeling refer to section 2

There are no TSCA 12b chemicals in this product

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SECTION 16: OTHER INFORMATION


Before using, read the Tech-Data for the product, the complete package label and this SDS and Warranty.

The user must be instructed in the proper work procedure and be familiar with the contents of these instructions.

Wording of terms:

- ACGIH American Conference of Government Industrial Hygienists
- CAS No. Chemical Abstract Service
- CERCLA Comprehensive Environmental Response, Compensation and Liability Act
- EC₅₀ Effective concentration that causes 50% mortality of population.
- EINECS European Inventory of Existing Commercial Chemical Substances (EU)
- GHS Global Harmonization System, worldwide chemical safety program
- LC₅₀ Lethal concentration that causes 50% mortality of population
- LD₅₀ Lethal dose that causes 50% mortality of population
- NFPA National Fire Protection Association
- NOEC No Observed Effect Concentration
- NTP National Toxicology Program
- OSHA Occupational Safety & Health Administration
- PEL Permissible Exposure Limits
- RCRA Resource Conservation and Recovery Act
- RE Repeated Exposure
- RQ Reportable quantity
- SARA III Superfund Amendments and Reauthorization Act
- SDS Safety Data Sheet (GHS replacement for MSDS)
- SE Single Exposure
- STOT Specific Target Organ Toxicity
- TLV Threshold Limit Value
- TSCA Toxic Substances Control Act
- TWA Time Weighted Average
- PBT/vPvB Bioaccumulative and persistent / very persistent and very bioaccumulative
- WHMIS Workplace Hazardous Materials Information System (Canada)

WHMIS Category: irritant




WHMIS Signal Word: **WARNING**

Hazardous Information	Rating
Health Hazard	1
Fire Hazard	0
Reactivity Hazard	0
Personal Protection	See Sec. 8 PPE

0 = minimal hazard, 4 = extreme hazard

California Prop 65: WARNING! This product contains one or more chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

NFPA 704 Fire



Health Reactivity

0 = low hazard, 4 = high hazard

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END OF SDS