

# Material Safety Data Sheet



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## Section 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name                    **OVERCRETE POWDER TINT**

### 1.2 Relevant identified uses of the substance or mixture and uses advised against .

Suitable uses                    Colorants (pigments and dyestuffs), inorganic

### 1.3 Details of the supplier of the safety data sheet

#### Supplier Company Address - Australia

Company Name:                    On-Crete Australia Pty Ltd  
Australian Address:                Unit 1, 31 Hill Road, Homebush Bay NSW 2127  
Telephone:                         07 5593 6884    Fax:    07 5593 6885  
Emergency – Australia            0439 241 090    24 hours ♦ Australia wide

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## Section 2: Hazards identification

### 2.1 Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]**

**Classification:** Not classified

**Classification according to Directive 67/548/EEC [DSD]**

**Classification:** Not classified.

### 2.2 Label elements

**Hazard pictograms :**                Not applicable.  
**Signal word :**                         No signal word.  
**Hazard statements :**                No known significant effects or critical hazards.  
**Precautionary statements:**  
**Prevention :**                         Not applicable.  
**Response :**                             Not applicable.  
**Storage :**                                Not applicable.  
**Disposal :**                                Not applicable.

### 2.3 Other hazards:

**Other hazards which do not result in classification**                **None Known**

### 2.4 Hazardous Nature

**Non-Hazardous Substance, Non- Dangerous Goods**  
**Classified in accordance with the Approved Criteria for Classifying Hazardous Substances [NOHSC: 1008(2004)] 3<sup>rd</sup> Edition, Safe Work Australia**

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## SECTION 3: Composition/information on ingredients

Mixtures which may include (varying according color required) the following : FeO (OH) , Fe<sub>2</sub>O<sub>3</sub> , Fe<sub>3</sub>O<sub>4</sub>, Titanium Dioxide, Calcium Carbonate (CAS 1317-65-3) Chromium Oxide (REACH No 01-2119433951-39 , CAS 1308-38-9) determined not to be hazardous (All type III ingredients) to 100%.

Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.

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## SECTION 4: First aid measures

### 4.1 Description of first aid measures

**Inhalation:** Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

**Ingestion:** No special measures required.

**Skin contact:** No special measures required.

**Eye contact:** Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.

### 4.2 Most important symptoms and effects, both acute and delayed

See Section 11 for more detailed information on health effects and symptoms.

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

See Section 11 for more detailed information on health effects and symptoms.

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## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

#### Suitable extinguishing

**Media:** In case of fire, use water spray (fog), foam, dry chemical or CO<sub>2</sub>.

#### Unsuitable extinguishing

**Media:** None known.

### 5.2 Special hazards arising from the substance or mixture

#### Hazards from the

**substance or mixture:** No specific fire or explosion hazard.

#### Hazardous combustion

**Products:** No specific data.

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## 5.3 Advice for firefighters

**Special precautions for firefighters**  
**Special protective equipment for fire-fighters**

Not applicable.

Firefighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

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## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Keep unnecessary and unprotected personnel from entering. Provide adequate ventilation. Put on appropriate personal protective equipment (see Section 8). Hazard of slipping on spilt product.

**6.2 Environmental Precautions**

Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### 6.3 Methods and materials for containment and cleaning up

**Small spill :**

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

**Large spill :**

Move containers from spill area. Vacuum or sweep up material and place in a designated, labelled waste container. Dispose of via a licensed waste disposal contractor.

**6.4 Reference to other Sections**

See Section 1 for emergency contact information.  
See Section 8 for information on appropriate personal protective equipment.  
See Section 13 for additional waste treatment information

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## SECTION 7: Handling and storage:

**7.1 Precautions for safe Handling**

No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities**

No special measures required.

**7.3 Specific end use(s) Recommendations : Industrial sector specific :**

Not available.

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**Solutions** Not available.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Exposure limit values

**Exposure limit values :**

Ingredient Name	Occupational exposure Limits
Chromium Oxide	EU OEL (Europe 12/2009)

#### 8.1.1 Derived effect Levels:

Ingredient Name	Type	Exposure	Values	Population	Effects	Remarks
Chromium Oxide	DNEL	Short Term Inhalation	2 mg/ m <sup>3</sup>	Workers	Local	-
Chromium Oxide	DNEL	Long Term Inhalation	0.5 mg/ m <sup>3</sup>	Workers	Local	-
Chromium Oxide	DNEL	Long Term Inhalation	0.5 mg/ m <sup>3</sup>	Workers	Consumers	-

Conclusion Summary Not Available

#### Predicted No Effect Concentration (PNEC)

Ingredient Name	Compartment	Value	Method Details	Remarks
Chromium Oxide	Soil	3.2 mg/kg dwt	Assessment Factors	-
	Sewerage Treatment Plant	10 mg/l	Assessment Factors	-
	Marine Water sediment	1.31 mg/kg dwt	Assessment Factors	-
	Marine Water	0.0047 mg/l	Assessment Factors	-
	Intermittent release	0.0047 mg/l	Assessment Factors	-
	Fresh Water Sediment	18.2 mg/kg dwt	Assessment Factors	-
	Fresh Water	0.0047 mg/l	Assessment Factors	-

Conclusion Summary Not Available

#### Recommended Monitoring Procedure

If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to monitoring standards, such as the following: European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) European Standard EN 14042 workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) European Standard EN 482 (Workplace atmospheres – General requirements for the performance of procedures for the measurement of chemical agents) Reference to national guidance documents for methods for the determination of hazardous substances will also be required

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## 8.2 Exposure controls

### Risk management measures

### Occupational exposure controls

#### Technical measures:

Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapour or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended requirements. Good general ventilation should be sufficient to control worker exposure to airborne contaminants.

#### Personal protection measures :

**Respiratory protection :** Recommended: Dust-protection mask  
**Hand protection :** Recommended: gloves  
**Eye protection :** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts.  
Recommended: safety glasses with side-shields

**Skin protection :** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Hygiene measures :** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

#### Environmental exposure controls:

**Technical measures :** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### General information

##### Appearance

**Physical state :** Solid. [powders]  
**Colour :** As per description.  
**Odour :** Odourless.

#### Important health, safety and environmental information

pH value: 4 to 8 [Conc. (% w/w): 5%]

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Melting point: >1000°C (>1832°F)  
 Vapour pressure: not available  
 Density : 5,1 kg/L (20°C)  
 Solubility Insoluble in the following materials: cold water

## 9.2 Other information

No additional information.

## SECTION 10: Stability and reactivity

**10.1 Reactivity:** No specific test data related to reactivity available for this product or its ingredients

**10.2 Chemical stability:** The product is stable.

**10.3 Possibility of hazardous reactions:** Under normal conditions of storage and use, hazardous reactions will not occur.

**10.4 Conditions to avoid:** No specific data.

**10.5 Incompatible materials:** No specific data.

**10.6 Hazardous decomposition products:** Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1 Information on toxicological effects

#### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure	Test
Diiron Trioxide	LD50 * Oral	Rat	>5000 mg/kg	-	-
Diiron Trioxide	LC50 Inhalation Dusts and mists	Rat	>210 mg/m <sup>3</sup>	2 weeks	-
Chromium Oxide	LD50 * Oral	Rat	>5000 mg/kg	-	OECD 401 Acute Toxicity

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Chromium Oxide	LC50 Inhalation Dusts and mists	Rat	>5.41 mg/l	4 hours	OECD 403 Acute Inhalation Toxicity
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\*Test results on an analogous product

## Irritation/Corrosion

**Skin** Non-irritating \*Test results on an analogous product  
**Eyes** Non-irritating \*Test results on an analogous product

## Sensitiser

Product/ingredient Name	Route of exposure	Species	Result	Test description
Diiron Trioxide	skin	Guinea pig	Not sensitizing	-
Chromium Oxide	skin	Guinea pig	Not sensitizing	406 Skin Sensitization

## Potential chronic health effects

### Chronic Toxicity

Product/ingredient name	Result	Species	Dose	Exposure
Chromium Oxide	Sub chronic NOAEL Oral	Rat – male Female	2000 mg/kg bw/day	90 days: 5 days per week
	Sub chronic LOAEL Inhalation Dusts and mites	Rat – male Female	4.4 mg/m <sup>3</sup>	6 hours 5 days per week Duration 65 days

### Carcinogenicity

Product/ingredient name	Result	Species	Dose	Exposure
Chromium Oxide	Negative Oral	Rat – male Female	- -	2 years 5 days per week

### Mutagenicity

Product/ingredient name	Test	Experiment	Result
Diiron Trioxide	Ames test	Experiment: In vitro	Negative
Chromium Oxide	OECD 471 Bacterial Reverse Mutation Test	Experiment: In vitro Subject: Bacteria Metabolic Activation: with/ Without S9	Negative
Chromium Oxide	OECD 474 Mammalian Erythrocyte Micronucleus Test	Experiment: In vivo Subject Mammalian Animal Cell: Germ	Negative

**Chronic health effects:** Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

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## SECTION 12: Ecological information

### 12.1 Toxicity

Product/ingredient Name	Test	Result	Species	Exposure
Diiron Trioxide	ISO 8192	Acute EC50 >10000 mg/l	Micro-	3 hours organism – Activated sludge
	OECD 202 <i>Daphnia</i> sp. Acute Immobilization Test	Acute EC50 >100 mg/l	Daphnia	48 hours Daphnia magna
	-	Acute LC0 >50000 mg/l	Fish – Danio	96 hours Rerio
Chromium Oxide	ISO 8192	Acute EC50 >10000 mg/l	Micro- organism – Activated sludge	3 hours
	OECD 210 <i>Daphnia</i> sp.	Chronic NOEC 10,000 mg/l	Fish - Danio Rerio	30 days
	ISO 7346-1 (Determination Of the acute Lethal toxicity of Substances to a Freshwater fish [Brachydanio rerio Hamilton-Buchanan (Teliostei,Cyprinidae)] Part 1 – Static Method)	Acute LC50 >10000 mg/l Fresh Water	Fish - Danio Rerio	96 hours

**Conclusion/Summary:** Not available.

### 12.2 Persistence and degradability

**Conclusion/Summary:** Not available.

**12.3 Bioaccumulative potential** Not available.

**12.4 Mobility in soil  
Soil/water partition  
coefficient (K<sub>oc</sub>)** Not available

**Mobility** Not available

### 12.5 Results of PBT and vPvB assessment

**PBT** Not available  
**vPvB** Not available



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## 12.6 Other adverse effects

Other adverse effects	Not available
AOX	Not available

Remarks: No known significant effects or critical hazards.

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## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

#### Product

**Methods of disposal:** Examine possibilities for re-utilisation. Product residues and uncleaned empty containers should be packaged, sealed, labeled, and disposed of or recycled according to relevant national and local regulations. Where large quantities are concerned, consult the supplier. When uncleaned empty containers are passed on, the recipient must be warned of any possible hazard that may be caused by residues. For disposal within the EC, the appropriate code according to the European Waste List (EWL) should be used. It is among the tasks of the polluter to assign the waste to waste codes specific to industrial sectors and processes according to the European Waste List (EWL).

**Hazardous waste** Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by EU Directive 91/689/EEC.

#### Packaging

**Methods of disposal** The generation of waste should be avoided or minimised wherever possible. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible.

**Special precautions** This material and its container must be disposed of in a safe way. Empty containers or liners may retain some product residues. Avoid dispersal of spilt material and runoff and contact with soil, waterways, drains and sewers.

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## SECTION 14: Transport information

	ADR/RID	ADN/ADNR	IMDG	IATA
14.1 UN number	-	-	-	-
14.2 UN proper shipping name	-	-	-	-
14.3 Transport hazard class(es)/Marks	-	-	-	-
14.4 Packing group	-	-	-	-
14.5 Environmental hazards	No.	No.	No.	No.
14.6 Special precautions for user/Additional information	Not regulated.	Not regulated.	Not regulated.	Not regulated.

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

### Hazard notes:

Not dangerous cargo.

Keep dry.

Keep separated from foodstuffs

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## SECTION 15: Regulatory Information

15.1 Safety, health and environmental regulations/legislation specific for the substance or Mixture

Annex XVII – Restrictions: Not applicable  
on the manufacture,  
placing on the market  
and use of certain  
dangerous substances,  
mixtures and articles

15.2 Chemical Safety: Not applicable  
Assessment

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## SECTION 16: Other information

**Abbreviations and acronyms :**  
ATE = Acute Toxicity Estimate  
CLP = Classification, Labelling and Packaging Regulation  
[Regulation (EC) No. 1272/2008]  
DNEL = Derived No Effect Level  
EUH statement = CLP-specific Hazard statement  
PNEC = Predicted No Effect Concentration  
RRN = REACH Registration Number

### Procedure used to derive the classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]

Classification	Justification

All ingredients are listed on AICS  
Not dangerous cargo. Keep separated from foodstuffs.

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#### Disclaimer:

The data, information and recommendations herein ("information") are represented in good faith and believed to be correct as of the date of issue. The purpose of this MSDS is to describe the product in terms of its safety requirements.

On-Crete Australia Pty Ltd makes no representation of merchantability, fitness for a particular purpose or application, or any other nature with respect to the information of the product to which the information refers ("the product").

The information is supplied upon the condition that the persons receiving same will make their own determination as to its suitability for the purposes prior to use of the product.

The physical data shown herein are typical values based on material tested. These values should not be construed as a guaranteed analysis of any specific lot or as guaranteed specification for the product of specific lots thereof.

Due care should be taken to make sure that the use or disposal of this product and/or its packaging is in compliance with relevant Federal, State and Local Government regulations.

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