

**Material Safety Data Sheet**
**NCA019 CEILCOTE 2000 FLAKELINE GREY PART A**
**Version Number 1 Revision Date 03/12/14**
**1. Product and company identification**

Hazardous according to criteria of Australian WHS Regulations.  
Classified as a Dangerous Good for transport according to the latest ADG code.

**1.1. Product identifier** CEILCOTE 2000 FLAKELINE GREY PART A  
Product Code NCA019

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

Intended use Refer Technical Data Sheet.  
For professional use only.  
This product is intended for use in the Marine and Protective Coatings markets.

Application Method Refer Technical Data Sheet.

**1.3. Details of the supplier of the safety data sheet**

**Manufacturer** Akzo Nobel Pty Ltd.  
8 Kellaway Place  
Wetherill Park  
New South Wales  
Australia, 2164

**Telephone No.** (02) 9616 6900

**Fax No.** (02) 9609 3910

**1.4. Emergency telephone number** 1800 680 071

**For Poisons Advice telephone** 131 126 For Advice to Doctors & Hospitals only

**2. Hazard identification of the product**
**2.1. Classification of the substance or mixture**

Skin Irrit. 2;H315 Causes skin irritation.  
Eye Irrit. 2;H319 Causes serious eye irritation.  
Skin Sens. 1;H317 May cause an allergic skin reaction.  
Muta. 2;H341 Suspected of causing genetic defects.  
Aquatic Chronic 2;H411 Toxic to aquatic life with long lasting effects.

**2.2. Label elements**

Using the Toxicity Data listed in section 11 & 12 the product is labelled as follows.


**Warning**

H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H319 Causes serious eye irritation.  
 H341 Suspected of causing genetic defects.  
 H411 Toxic to aquatic life with long lasting effects.

Poison Schedule: 5

Precautionary Phrases (P) listed below:

**[Prevention]:**

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P261 Avoid breathing dust / fume / gas / mist / vapours / spray.  
 P264 Wash thoroughly after handling.  
 P272 Contaminated work clothing should not be allowed out of the workplace.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves / eye protection / face protection.

**[Response]:**

P302+352 IF ON SKIN: Wash with soap and water.  
 P305+351+338 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing.  
 P308+313 IF exposed or concerned: Get medical advice / attention.  
 P312 Call a POISON CENTER or doctor / physician if you feel unwell.  
 P321 Specific treatment (see information on this label).  
 P333 If skin irritation or a rash occurs:  
 P337 If eye irritation persists:  
 P362 Take off contaminated clothing and wash before reuse.  
 P363 Wash contaminated clothing before reuse.  
 P391 Collect spillage.

**[Storage]:**

P405 Store locked up.

**[Disposal]:**

P501 Dispose of contents / container in accordance with local / national regulations.

**2.3. Other hazards**

This product contains no PBT/vPvB chemicals.

**3. Composition/information on ingredients**

This product contains the following substances that are classified hazardous according to the Australian WHS Hazardous Substances regulations:

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
Bisphenol F epoxy resin (av.mol.wt.<700) CAS Number: 0028064-14-4	50-100	Skin Irrit. 2;H315 Eye Irrit. 2;H319 Skin Sens. 1;H317 Aquatic Chronic 2;H411	[1]
o-Cresol glycidyl ether CAS Number: 0002210-79-9	2.5-10	Muta. 2;H341 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	[1]
Epoxy Resin CAS Number: 0025068-38-6	2.5-10	Eye Irrit. 2;H319 Skin Irrit. 2;H315 Skin Sens. 1;H317 Aquatic Chronic 2;H411	[1]
Amorphous silica, hydrophobic	1-2.5		[1]

<b>CAS Number: 0067762-90-7</b>			
<b>Amorphous fumed silica</b> <b>CAS Number: 0112945-52-5</b>	<b>1-2.5</b>		<b>[1]</b>

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

\*The full texts of the Hazard (H) phrases are shown in Section 16.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence do not require reporting in this section.

## 4. First aid measures

### 4.1. Description of first aid measures

#### General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

#### Inhalation

Not expected to be acutely toxic by inhalation. However product contains some co-solvents that can be moderately toxic.

Inhalation of vapours may cause nose and throat irritation. May also cause nervous system effects such as dizziness, nausea, headache and sleepiness.

Remove to fresh air and keep patient warm and at rest if any effects apparent. If breathing is irregular, or has stopped, administer artificial resuscitation. Give nothing by mouth.

Seek medical attention if any effects persist.

#### Skin Contact

Prolonged contact with the skin may have a defatting effect leading to irritation and, in some cases, irritant contact dermatitis.

Remove contaminated clothing and launder before re-use. Wash effected areas with soap and water or an industrial skin cleaner.

Seek medical attention if irritation persists.

#### Eye Contact

Direct eye contact may cause moderate to severe irritation.

The vapour is irritating to the eyes.

Irrigate copiously with clean fresh water for 15 minutes, holding the eyelids apart.

Seek medical attention.

#### Ingestion

Moderately toxic if swallowed.

Tends to break up into foam if the patient vomits.

If swallowed do NOT induce vomiting due to the hazard of solvent aspiration into the lungs which may cause mild to severe pulmonary injury.

Give a glass of water. Seek medical attention.

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

No data available

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

No data available

## 5. Fire-fighting measures

### 5.1. Extinguishing media

This product is combustible.

Material will burn, emitting dense black smoke containing harmful combustion products.

Closed containers may explode when exposed to extreme heat. Keep unopened containers cool with water spray.

Recommended extinguishing media; water spray, foam (large fires) - CO<sub>2</sub>, powder (small fires). When entering enclosed areas, wear self contained breathing apparatus.

Do not allow contaminants and water from fire fighting to enter drains or water courses.

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

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

### 5.3. Advice for fire-fighters

Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

## 6. Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

In confined areas wear protective equipment as detailed in Section 8.

### 6.2. Environmental precautions

Do not allow spills to enter drains or watercourses.

### 6.3. Methods and material for containment and cleaning up

Ventilate area. Contain and collect spillage with non-combustible absorbent materials (eg sand, earth, vermiculite). Transfer to sealed containers for disposal.

Do not allow into drains or water courses.

Dispose of in a chemical waste disposal area in accordance to relevant State and Federal regulations.

## 7. Handling and storage

### 7.1. Precautions for safe handling

#### Handling

Avoid damaging containers. Keep lid on when not in use.

Handlers of this product should wash hands and face prior to meals and smoking.

#### In Storage

Handle containers carefully to prevent damage and spillage.

Naked flames and smoking should not be permitted in storage areas. It is recommended that fork lift trucks and electrical equipment are protected to the appropriate standard.

### 7.2. Conditions for safe storage, including any incompatibilities

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

Store in cool, dry area, away from heat, sparks and naked flames.

Keep containers sealed when not in use.

There are no exposure scenarios, see details in section 1.

### 7.3. Specific end use(s)

Avoid skin and eye contact. Avoid inhalation of vapour. Observe label precautions. Use personal protection equipment as shown in section 8.

Smoking, eating and drinking should be prohibited in all preparation and application areas.

## 8. Exposure controls and personal protection

### 8.1. Control parameters

From Australia's Hazardous Substance Information System (HSIS)  
For detailed information refer to the HSIS web site (<http://hsis.ascc.gov.au>).

Material	Short term (15m ave STEL)		Long term (8hr TWA)		Comments
	ppm	mg/m <sup>3</sup>	ppm	mg/M3	
Mica	-	-	-	2.5	
Titanium dioxide	-	-	-	10	

Chemicals classified as hazardous according to WHS regulations may have a notification alongside the exposure standard. If such a notification is necessary, it will appear in the far right hand column. The legend is as follows:

- (P) Peak exposure limit
- (R) Suppliers Recommended Limit
- (Sk) There is a risk of absorption through unbroken skin
- (Sen) Sensitiser
- (Cat1) Category 1 - established human carcinogen
- (Cat2) Category 2 - probable human carcinogen
- (Cat3) Category 3 - substances suspected of having carcinogenic potential.

There is no biological limit allocated.

### DNEL/PNEC values

No Data Available

### 8.2. Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapour below occupational exposure limits suitable respiratory protection must be worn.

#### Eye Protection

Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

#### Skin Protection

Wear nitrile or similar chemical resistant gloves to keep skin contact to a minimum.  
Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

#### Other

Wear overalls to keep skin contact to a minimum.

#### Respiratory Protection

In Liquid, Paste or Atomised form (e.g. Spray Application), workers must wear respirators with a filter Type A (Organic vapour) approved in accordance with AS/NZS 1716.

Provision of other controls such as exhaust ventilation should be considered if practical.

If applying large volumes (>100L) and If there is not sufficient ventilation or if there is a confined space, an Air Fed Respirator is strongly recommended.

In Solid or Dust form (e.g. Sanding Cured product) workers must wear a Class P1 Particulate filter mask in accordance with AS/NZS1716.

## Thermal hazards

No Data Available

## 9. Physical and chemical properties

Colour	Grey Liquid
Odour	Smell of Solvent
Odour threshold	Not Measured
pH	N/A
Melting point / freezing point (°C)	Not Measured
Initial boiling point and boiling range (°C)	108
Flash Point (deg C closed cup)	100
Evaporation rate (Ether = 1)	Not Measured
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No data available Upper Explosive Limit: No data available
Vapour pressure (Pa)	Not Measured
Vapour Density	Heavier than air.
Specific Gravity	1.29
Solubility in Water	Immiscible
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Autoignition temperature	Not Measured
Decomposition temperature	Not Measured
Viscosity (cSt)	N/A

### 9.2. Other information

No further information

## 10. Stability and reactivity

### 10.1. Reactivity

No data available

### 10.2. Chemical stability

This product is stable under normal storage and handling conditions (see Section 7). When exposed to high temperatures may produce hazardous decomposition products such as oxides of carbon and nitrogen and smoke.

### 10.3. Possibility of hazardous reactions

May react exothermically with: oxidising agents, strong alkalis, strong acids.

### 10.4. Conditions to avoid

Stable under recommended storage and handling conditions (see section 7).

### 10.5. Incompatible materials

Keep away from the following materials: oxidising agents, strong alkalis, strong acids.

### 10.6. Hazardous decomposition products

Fire will produce dense black smoke. Decomposition products may include the following materials: carbon monoxide, carbon dioxide, smoke, oxides of nitrogen.

Avoid exposure and use breathing apparatus as appropriate.

## 11. Toxicological information

### Acute toxicity

Exposure to solvent vapour concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and

respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible irreversible damage.

Based on the properties of the epoxy constituents and considering toxicological data on similar preparations this preparation may be an irritant and a skin and respiratory sensitizer. Low molecular weight epoxy constituents are irritating to eyes, mucous membranes and skin. Repeated skin contact may lead to irritation and sensitisation, possibly with cross-sensitisation to other epoxies.

The preparation has been assessed using the Acute Toxicity Data listed below, and classified for toxicological hazards accordingly. See section 2 for details.

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapour LD50, mg/L/4hr	Inhalation Dust/Mist LD50, mg/L/4hr
Amorphous fumed silica - (112945-52-5)	3,160.00, Rat	Not Applicable	Not Applicable	Not Applicable
Amorphous silica, hydrophobic - (67762-90-7)	1,000.00, Rat	2,000.00, Rat	Not Applicable	Not Applicable
Bisphenol F epoxy resin (av.mol.wt.<700) - (28064-14-4)	2,000.00, Rat	Not Applicable	Not Applicable	Not Applicable
Epoxy Resin - (25068-38-6)	2,000.00, Rat	2,000.00, Rabbit	Not Applicable	Not Applicable
o-Cresol glycidyl ether - (2210-79-9)	4,000.00, Rat	Not Applicable	Not Applicable	Not Applicable

Item	Category	Hazard
Acute Toxicity (mouth)	Not Classified	Not Applicable
Acute Toxicity (skin)	Not Classified	Not Applicable
Acute Toxicity (inhalation)	Not Classified	Not Applicable
Skin corrosion/irritation	2	Causes skin irritation.
Eye damage/irritation	2	Causes serious eye irritation.
Sensitization (respiratory)	Not Classified	Not Applicable
Sensitization (skin)	1	May cause an allergic skin reaction.
Germ toxicity	2	Suspected of causing genetic defects.
Carcinogenicity	Not Classified	Not Applicable
Reproductive Toxicity	Not Classified	Not Applicable
Specific target organ systemic toxicity (single exposure)	Not Classified	Not Applicable
Specific target organ systemic Toxicity (repeated exposure)	Not Classified	Not Applicable
Aspiration hazard	Not Classified	Not Applicable

## 12. Ecological information

### 12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

There are no data available on the product itself.

The product should not be allowed to enter drains or water courses.

## Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Bisphenol F epoxy resin (av.mol.wt.<700) - (28064-14-4)	9.00, Oncorhynchus mykiss	9.00, Daphnia magna	Not Applicable
o-Cresol glycidyl ether - (2210-79-9)	Not Applicable	Not Applicable	Not Applicable
Epoxy Resin - (25068-38-6)	3.10, Pimephales promelas	1.40, Daphnia magna	Not Applicable
Amorphous silica, hydrophobic - (67762-90-7)	Not Applicable	Not Applicable	Not Applicable
Amorphous fumed silica - (112945-52-5)	Not Applicable	Not Applicable	Not Applicable

### 12.2. Persistence and degradability

There is no data available on the preparation itself.

### 12.3. Bioaccumulative potential

Not Measured

### 12.4. Mobility in soil

No data available

### 12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

### 12.6. Other adverse effects

No data available

## 13. Disposal considerations

### 13.1. Waste treatment methods

Do not allow into drains or watercourses.

As waste regulations vary, use information provided in this data sheet to obtain advice from the local Waste Regulation Authority.

## 14. Transport information

### 14.1. UN number

3082

### 14.2. UN proper shipping name

Environmentally Hazardous Substance N.O.S. (Contains Liquid Epoxy Resins)

### 14.3. Transport hazard class(es)

### Road and Rail Transport (ADG7)

UN3082, Environmentally Hazardous Substance, Liquid, N.O.S. (Contains Liquid Epoxy Resins), 9, III, .3Z

IMDG Class/Div 9  
reference :

Sub Class

Ems

F-A,S-F

ICAO/IATA Class 9

Sub Class

### 14.4. Packing group

III

### 14.5. Environmental hazards



**Road and Rail Environmentally Hazardous: Yes**  
**Transport**  
**(ADG7)**

**IMDG** Marine Pollutant: Yes ( Bisphenol F epoxy resin )  
**reference :**

**14.6. Special precautions for user**

No further information

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not Applicable

**15. Regulatory information**

The product and all its components complies with these local regulations

Australia:

The Australian Industrial Chemicals (Notification and Assessment) Act 1989 (Commonwealth) - NICNAS

New Zealand:

The New Zealand inventory of chemicals (NZIoC) or otherwise are in compliance with all other EPA NZ requirements.

Singapore:

The labelling, SDS, PEL and other requirements to the WSH (General Provision) regulations

Other regional regulatory Information:

None noted.

**16. Other information**

Contact Point:

Marine, Protective and Yacht Coatings Regulatory Affairs Manager  
+61 (0)407 119 025

The information on this Safety Data Sheet (SDS) is based upon the present state of our knowledge and on current State and Federal laws. The product should not be used for purposes other than shown in the SDS without first obtaining written advice. It is always the responsibility of the user to take all necessary steps to meet the demands of applicable legislation.

The information in this SDS is required according to State and Federal WHS legislation (as amended).

Each user should read the SDS and consider the information of how this product is used and handled in conjunction with other products and components.

The information provided in this SDS 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.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and not to be considered a warranty or quality specification.

The full text of the Hazard (H) phrases appearing in section 2 & 3 are:

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H341 Suspected of causing genetic defects.

H373 May cause damage to organs through prolonged or repeated exposure.

H411 Toxic to aquatic life with long lasting effects.

**This SDS is valid for 5 years from the revised date on page 1.  
The revision date is in American format (e.g. MM/DD/YY).**

End of document



All information concerning this product and/or suggestions for handling and use contained herein are offered in good faith and are believed to be reliable. Akzo Nobel however makes no warranty as to the accuracy of and/or sufficiency of such information.