



Material Safety Data Sheet	Page: 1
	Revision: 1
	Date: 30.01.06
	Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING	IDROSIL 1002

1 Identification of the substance/preparation and of the company/undertaking

Trade name: IDROSIL 1002

Use of the substance/preparation: self cleaning and water repellent coating

Company: CormiteC bvba
Lageweg 60, 8930 Menen
Belgium

Emergency telephone number: +32.(0)9.253 00 87

2 Composition/information on ingredients

Not classified as a hazardous product as per Council Directive 67/548/EEC or 1999/45/EC

Chemical characterisation:

Ingredient	CAS-N.	EG-N.	Symbol	R-phrases	Concentration
Modified amorf silicon dioxide	68909-20-6	272-697-1	-	-	<10 % (#)
Water	007732-18-5	231-791-2	-	-	Up to 100 %

Hazardous components: none
Chemical description: stabilized dispersion in water
CAS nbrs: see above
Hazardous impurities: n/a

3 Hazards identification

Hazardous components: Not classified as a hazardous product as per Council Directive 67/548/EEC or 1999/45/EC

Risk phrases: n/a

Health hazards: contact irritation of eye and skin

Physical and chemical hazards –

Specific hazards: n/a

Environmental: see chapter 12



	Material Safety Data Sheet	Page: 2
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

4 First aid measures

Note to physician:	No hazard which require special First aid measure
First aid:	
Inhalation:	Move victim into fresh air.
Skin contact:	Wash with soap and plenty of water. Consult a doctor in the event of a Skin reaction.
Eye contact:	Change badly soiled or soaked clothing Immediately wash with plenty of water during several minutes and seek medical advice.
If swallowed:	Rinse mouth, drink lots of water. Warn physician and show this Safety Data Sheet.
Symptoms and effects	DO NOT induce the patient to vomit typical symptoms and effects are not known.

5 Fire fighting measures

This product is non flammable.

Extinguishing media:	CO ₂ , foam, dry powder; for larger fires, water spray should be used.
Hazardous combusting products:	In the event of fire, carbon monoxide and carbon dioxide may be released.
Further information:	Do not allow contaminated extinguishing water to enter the soil, ground water or surface waters.

6 Accidental release measures

Put on protective equipment (see Chapter 8)

Environmental precautions :	Do not allow to enter the soil, ground
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	Material Safety Data Sheet	Page: 3
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

water or surface waters.

Methods of cleaning up:**On the ground:**

Remove mechanically; cover the remainder with wet, absorbent material (e.g. sawdust, chemical binder based on calcium silicate hydrate, sand).

On water:

formation of a suspension in water, no special requirements.

Neutralization:

n/a

Disposal:

For further disposal measures see Chapter 13.

7 Handling and storage

Handling:

When handling observe the usual precautionary measures for chemicals.

Safe handling advice:

Stir and/or shake well before use.

Unusual fire and explosion hazards

No special requirements.

Storage:**Technical measures:**

Store at temperature 5 – 40°C.

Safe storage:

Keep drum tightly closed. Store in a dry area.

To avoid storage conditions:

Avoid frost.

Materials to avoid:

do not store in aluminum, copper, steel, galvanized steel packaging.

Relevant legislation:

No specific recommendations.

8 Exposure controls/personal protection

Protection of workers: indicative Occupational Exposure Limit Values**Silicon dioxide, chemical treated**

CAS N: 7631-86-9

EG N:

231-545-4



	Material Safety Data Sheet	Page: 4
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

Control parameters: 3 mg/m³ (TWA); (OEL(BE))

Personal protection:

Respiratory:

Respiratory equipment required during spraying.

Hands:

Wear rubber or PVC gloves

Eyes:

Wear eye/face protection.

Skin:

Wear suitable protective clothing.

Hygienic precautions:

Do not eat, drink or smoke during use of the product.

Wash hands before breaks and at end of work.

Keep working clothes separate.

Change badly soiled or soaked clothing.

9 Physical and chemical properties

Appearance:	liquid
Color:	white, translucent
Odor:	weak odour
pH:	neutral, 6,5 – 7,5 (#)
Freezing point (°C):	0° C (#)
Stability:	-20 °C tot 80 °C (#)
Application temperature:	10° C tot 40 °C (#)
Melting point (°C):	0° C (#)
Boiling point (°C):	100 °C (#)
Decomposition temperature (°C):	n/a
Specific gravity (Kg/dm³):	range in accordance with degree of aeration, 0,65 – 0,70 (#)
Relative density against water:	n/a
Vapour pressure (kPa):	cf. Water
Solubility in water (g/ 100 ml):	insoluble dispersion, maximum 30 % dilution in water(#)
Flash point (°C):	n/a
Auto flammability (°C):	n/a
Explosion limits %	n/a



	Material Safety Data Sheet	Page: 5
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

- lower (°C):	n/a
- upper (°C):	n/a
Evaporation rate:	cf. Water (#)
Oxidizing properties:	cf. Water (#)
Specific conductivity (S/m):	cf. Water (#)

10 Stability and reactivity

Stability:	Stable under normal conditions
Hazardous reactions:	not known
Conditions to avoid:	Always close container tightly after removal of product. Avoid frost. With temperatures >300 °C, hydrophobicity is lost.
Materials to avoid:	materials which corrodes with water.
Hazardous decomposition:	Carbon monoxide, carbon dioxide (CO ₂).

11 Toxicological information

Acute oral toxicity:	LD50 rat: >2000 mg/kg. Method OECD test guideline 401 (limit test).
Skin irritation:	Rabbit: not irritating , OECD Test guideline 404.
Eye irritation:	Rabbit: not irritating, OECD Test guideline 405.
Sensitization:	Maximization test guinea pig: not sensitizing, OECD Test guideline 406.
Human experience:	Silicosis or other product liable diseases of the respiratory tract were not observed in association with the product.

12 Ecological information

Elimination information (persistence and degradability)
Behavior in environmental compartments
Ecotoxicity effects



	Material Safety Data Sheet	Page: 6
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

No ecotoxicological studies are available.

13 Disposal considerations

Disposal of residue/unused products:

Dispose in accordance with applicable international, national and local laws, ordinances and statutes.

For disposal within the EC, the appropriate code according to the European Waste Catalogue (EWC) should be used.

After containers have been emptied as thoroughly as possible (e.g. by pouring, scraping or draining until 'drip-dry'), they can be sent to an appropriate collection point set up within the framework of the existing take-back scheme of the chemical industry.

Containers must be recycled in compliance with national legislation and environmental regulations.

14 Transport information

Transport :

The product is not classified as dangerous goods.

RID/ ADR klasse: n/a

15 Regulatory information

No labelling is required for this material by the Chemicals (Hazard Information and Packaging for Supply) Regulations 2002 (CHIP3), in accordance with EC' Directives

Trade name:	IDROSIL 1002
Symbols:	none
R-phrases:	none
S-phrases:	none
Basis of the classification:	n/a
EG-Annex N:	n/a

16 Other information

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Revision VIB:	right corner, second line
Revision date:	right corner, third line



	Material Safety Data Sheet	Page: 7
		Revision: 1
		Date: 30.01.06
		Replace: 27.11.05
SELF CLEANING AND WATER REPELLENT COATING		IDROSIL 1002

Date previous revision:

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Writer:

Didier Desschans

Revised parts:

changes with reference to previous versions are marked with "#".

Information sources:

Original VIB and specifications from manufacturers.

Further information

This version replaces all previous versions.

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 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.