

SAFETY DATA SHEET
according to Regulation (EC) No. 1907/2006



PLUG WINDOW 40-80% HIC

Substance key: SC0000200237

Version : 1 - 2 / EU

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

PLUG WINDOW 40-80% HIC

Material number: 250874

Chemical nature: Plug Window with HI Card, contains cobalt dichloride

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

Relevant identified uses of the substance or mixture

Type of use : Indicator for air humidity

1.3. Details of the supplier of the safety data sheet

Identification of the company

Schabos GmbH
Widdersdorfer Straße 236-240
50825 Köln
Tel.: +49 (0) 221 99 8 77 - 0
Mail: info@schabos.de

Information about the substance/mixture

BU Functional Minerals
Product Stewardship
e-mail: SDS.Europe@clariant.com

1.4. Emergency telephone number

00800-5121 5121 (24 h)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Carcinogenicity, Category 1B H350i: May cause cancer by inhalation.

Chronic aquatic toxicity, Category 3 H412: Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms :



Signal word : Danger

Hazard statements : H350i May cause cancer by inhalation.
H412 Harmful to aquatic life with long lasting

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effects.

Precautionary statements	:	Prevention:	
		P201	Obtain special instructions before use.
		P202	Do not handle until all safety precautions have been read and understood.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
		Response:	
		P308 + P313	IF exposed or concerned: Get medical advice/ attention.
		Disposal:	
		P501	Dispose of contents/ container to an approved waste disposal plant.

Hazardous components which must be listed on the label:
Cobalt dichloride

Additional Labelling:

Contains cobalt dichloride. Restricted to professional users.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
No additional hazards are known except those derived from the labelling.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hazardous components

Chemical Name	CAS-No. EC-No. Registration number	Classification	Concentration (% w/w)
Cobalt dichloride	7646-79-9 231-589-4	Acute Tox. 4; H302 Resp. Sens. 1; H334 Skin Sens. 1; H317 Muta. 2; H341 Carc. 1B; H350i Repr. 1B; H360F Aquatic Acute 1; H400 Aquatic Chronic 1; H410	>= 0,025 - < 0,1

For explanation of abbreviations see section 16.

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SECTION 4: First aid measures

4.1 Description of first aid measures

- | | |
|-------------------------|---|
| General advice | : Take off all contaminated clothing immediately.
Show this safety data sheet to the doctor in attendance. |
| If inhaled | : Move to fresh air.
Consult a physician after significant exposure. |
| In case of skin contact | : Wash off immediately with soap and plenty of water. |
| In case of eye contact | : Rinse immediately with plenty of water, also under the eyelids,
for at least 15 minutes. |
| If swallowed | : Rinse mouth.
Call a physician immediately.
Do not induce vomiting without medical advice.
Never give anything by mouth to an unconscious person. |

4.2 Most important symptoms and effects, both acute and delayed

- | | |
|-------|---------------|
| Risks | : see point 2 |
|-------|---------------|

4.3 Indication of any immediate medical attention and special treatment needed

- | | |
|-----------|---|
| Treatment | : No information available.
Treat symptomatically. |
|-----------|---|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | |
|--------------------------------|--|
| Suitable extinguishing media | : Dry powder
Foam
Carbon dioxide (CO ₂) |
| Unsuitable extinguishing media | : Do not use a solid water stream as it may scatter and spread fire. |

5.2 Special hazards arising from the substance or mixture

- | | |
|--------------------------------------|---|
| Specific hazards during firefighting | : In case of fire can be formed: breathable cobalt/cobalt oxide dust

None known. |
|--------------------------------------|---|

5.3 Advice for firefighters

- | | |
|---|--|
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. |
|---|--|

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Further information : Standard procedure for chemical fires.
Cool containers/tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Ensure adequate ventilation.
Avoid dust formation.
Use personal protective equipment.
Avoid contact with skin, eyes and clothing.
Avoid dust formation.

6.2 Environmental precautions

Environmental precautions : Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Take up uncontaminated material and pass on for further processing.
Take up contaminated material by mechanical means, load into clean containers, and dispose of in accordance with legal regulations.

6.4 Reference to other sections

For personal protection see section 8., For disposal considerations see section 13.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers : Keep tightly closed in a dry and cool place.

Further information on storage conditions : Keep in a dry place.

Advice on common storage : No materials to be especially mentioned.

Other data : Stable under recommended storage conditions.

7.3 Specific end use(s)

Specific use(s) : Not relevant

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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

8.2 Exposure controls

Engineering measures

none

Personal protective equipment

Eye protection : not required

Hand protection

Remarks : Chemical-resistant protective gloves according to EN 374, EN 388, EN 420.

Skin and body protection : not required

Respiratory protection : not required

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : Plates

Particle size : not tested.

Colour : blue to pink

Odour : none

Odour Threshold : Not relevant

pH : 4,5 - 6

Melting point : not determined

Boiling point : Not applicable

Flash point : Not applicable

Evaporation rate : Not applicable

Upper explosion limit : not tested.

Lower explosion limit : not tested.

Combustion number : not determined

Vapour pressure :

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	Not applicable
Relative vapour density	: Not applicable
Relative density	: not tested.
Density	: not tested.
Bulk density	: not tested.
Solubility(ies)	
Water solubility	: partly soluble, max. 0,25% CoCl ₂ can be leached out.
Solubility in other solvents	: not tested.
Partition coefficient: n-octanol/water	: not determined
Auto-ignition temperature	: Not applicable
Viscosity	
Viscosity, dynamic	: Not applicable
Viscosity, kinematic	: Not applicable
Flow time	: Not applicable
Explosive properties	: no data available
Oxidizing properties	: not tested.

9.2 Other information

Sublimation point : not determined

SECTION 10: Stability and reactivity

10.1 Reactivity

Stable

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : None known.

10.4 Conditions to avoid

Conditions to avoid : Exposure to moisture (hygroscopic).

10.5 Incompatible materials

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Materials to avoid : Water

10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: no data available

Acute inhalation toxicity : Remarks: no data available

Acute dermal toxicity : Remarks: no data available

Components:

Cobalt dichloride:

Acute oral toxicity : Acute toxicity estimate: 500 mg/kg
Method: Converted acute toxicity point estimate

Skin corrosion/irritation

Product:

Remarks: no data available

Serious eye damage/eye irritation

Product:

Remarks: no data available

Respiratory or skin sensitisation

Product:

Remarks: no data available

Further information

Product:

Remarks: No data is available on the product itself.
Handle in accordance with good industrial hygiene and safety practice.

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : Remarks: no data available

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Components:

Cobalt dichloride:

M-Factor (Acute aquatic toxicity) : 10

M-Factor (Chronic aquatic toxicity) : 10

12.2 Persistence and degradability

Product:

Biodegradability : Remarks: no data available

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: no data available

12.4 Mobility in soil

Product:

Distribution among environmental compartments : Remarks: no data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

12.6 Other adverse effects

Product:

Additional ecological information : Remarks: slightly water endangering

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Contact waste disposal services.
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Dispose of as unused product.

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SECTION 14: Transport information

Section 14.1. to 14.5.

ADR	not restricted
ADN	not restricted
RID	not restricted
IATA	not restricted
IMDG	not restricted

14.6. Special precautions for user

See sections 6 to 8 of this Safety Data Sheet.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according IBC - Code.

SECTION 15: Regulatory information

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

Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer	: Not applicable
Regulation (EC) No 850/2004 on persistent organic pollutants	: Not applicable
Water contaminating class (Germany)	: 1 slightly water endangering

15.2 Chemical Safety Assessment

No Chemical Safety Assessment (CSA) is yet available for the substance, or for the component substances, contained in this product.

SECTION 16: Other information

Full text of H-Statements

H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.

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- | | | |
|-------|---|--|
| H334 | : | May cause allergy or asthma symptoms or breathing difficulties if inhaled. |
| H341 | : | Suspected of causing genetic defects. |
| H350i | : | May cause cancer by inhalation. |
| H360F | : | May damage fertility. |
| H400 | : | Very toxic to aquatic life. |
| H410 | : | Very toxic to aquatic life with long lasting effects. |

Full text of other abbreviations

- | | | |
|-----------------|---|---------------------------|
| Acute Tox. | : | Acute toxicity |
| Aquatic Acute | : | Acute aquatic toxicity |
| Aquatic Chronic | : | Chronic aquatic toxicity |
| Carc. | : | Carcinogenicity |
| Muta. | : | Germ cell mutagenicity |
| Repr. | : | Reproductive toxicity |
| Resp. Sens. | : | Respiratory sensitisation |
| Skin Sens. | : | Skin sensitisation |

This information corresponds to the present state of our knowledge and is intended as a general description of our products and their possible applications.

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