

**SAFETY DATA SHEET**

According to article 31 and Annex II of the EU REACH Regulation

Version: 1.1

Revision Date: 13.01.2014

Superseded date: 09.12.2013

**DOW CORNING(R) 3362 HD INSULATING GLASS CATALYST BLACK****1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY****1.1 Product name** : DOW CORNING(R) 3362 HD INSULATING GLASS CATALYST BLACK**1.2 Identified uses** : Vulcanising agents**Uses advised against** : None known.**1.3 Company** : Dow Corning Europe S.A.  
rue Jules Bordet - Parc Industriel - Zone C  
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Belgium**E-mail address (Safety Data Sheet)** : sdseu@dowcorning.com**Customer Service** : English Tel: +49 611237507  
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**1.4 Emergency Phone Number** : Dow Corning (Barry U.K. 24h) Tel: +44 1446732350  
Dow Corning (Wiesbaden 24h) Tel: +49 61122158  
Dow Corning (Seneffe 24h) Tel: +32 64 888240**2. HAZARDS IDENTIFICATION****2.1 Classification of the substance or mixture**

According to EU Directives 67/548/EEC or 1999/45/EC:

R10 Flammable.

R43 May cause sensitization by skin contact.

**2.2 Label elements****Labelling according to EEC Directive****Contains** : Trimethoxy(methyl)silane  
: 3-Aminopropyltriethoxysilane**Symbols** : Xi Irritant.**R-phrases** : R10 Flammable.  
R43 May cause sensitization by skin contact.**S-phrases** : S23(V) Do not breathe vapour.  
S24/25 Avoid contact with skin and eyes.

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S37 Wear suitable gloves.

S51 Use only in well-ventilated areas.

#### 2.3 Other hazards

Vapours may form explosive mixtures with air.

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** Mixture of Methyl Siloxane and Organic Compound**According to EU Directives 67/548/EEC or 1999/45/EC:**

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
Carbon black	1333-86-4	215-609-9	-	17.0	Substance with a Community workplace exposure limit
Trimethoxy(methyl)silane	1185-55-3	214-685-0	01-21195174 36-40	15.0	R43 F R11
Amino functional alkoxy silanes	474530-85-3	Exempt or not available	-	15.0	Xi R36
Methylated silica	68611-44-9	271-893-4	-	1.9	Substance with a Community workplace exposure limit
3-Aminopropyltriethoxy silane	919-30-2	213-048-4	01-21194804 79-24	1.1	Xn C R22 R34 R43
Methanol	67-56-1	200-659-6	01-21194333 07-44	0.96	F T R11 R23/24/25 R39/23/24/25
Dimethylbis[(1-oxoneodacyl)oxy]stannane	68928-76-7	273-028-6	-	0.19	Xn T Xn, Toxic for reproduction - category 3. R63 R53

**According to Regulation (EC) No. 1272/2008:**

Name	CAS-No.	EINECS/ ELINCS No.	REACH Registration Number	Conc. (% w/w)	Classification
Carbon black	1333-86-4	215-609-9	-	17.0	Substance with a Community workplace exposure limit
Trimethoxy(methyl)silane	1185-55-3	214-685-0	01-21195174 36-40	15.0	Flammable liquid: Category 2 - H225 Skin sensitization: Category 1 - H317
Amino functional alkoxy silanes	474530-85-3	Exempt or not available	-	15.0	Serious eye damage/eye irritation: Category 2 - H319

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Methylated silica	68611-44-9	271-893-4	-	1.9	Substance with a Community workplace exposure limit
3-Aminopropyltriethoxy silane	919-30-2	213-048-4	01-21194804 79-24	1.1	Acute toxicity (Oral): Category 4 - H302 Skin corrosion/irritation: Category 1B - H314 Skin sensitization: Category 1 - H317
Methanol	67-56-1	200-659-6	01-21194333 07-44	0.96	Flammable liquid: Category 2 - H225 Acute toxicity (Oral): Category 3 - H301 Acute toxicity (Dermal): Category 3 - H311 Acute toxicity (Inhalation - vapour): Category 3 - H331 Specific target organ toxicity - single exposure (Dermal): Category 1 (eye - retina, central nervous system) - H370 Specific target organ toxicity - single exposure (Inhalation - vapour): Category 1 (eye - retina, central nervous system) - H370 Specific target organ toxicity - single exposure (Oral): Category 1 (eye - retina, central nervous system) - H370
Dimethylbis[(1-oxoneod ecyl)oxy]stannane	68928-76-7	273-028-6	-	0.19	Acute toxicity (Oral): Category 4 - H302 Reproductive toxicity (Oral): Category 2 - H361d Specific target organ toxicity - repeated exposure (Oral): Category 1 (central nervous system, thymus gland, kidney) - H372 Chronic aquatic hazard: Category 4 - H413

For the full text of the R-phrases mentioned in this Section, see Section 16.  
 For the full text of the H-Statements mentioned in this Section, see Section 16.  
 CLP classifications are based on all current available data including from known international organizations. These classifications are subject to revision as more information becomes available.

**4. FIRST AID MEASURES**

**4.1 Description of First Aid Measures:**

- On contact with eyes** : Flush with water. If eye irritation persists, get medical attention.
- On skin contact** : Flush with water. Obtain medical attention.
- If inhaled** : Remove to fresh air.
- On ingestion** : Obtain medical attention.

**4.2 Most important symptoms/effects, acute and delayed** : May cause sensitization by skin contact.

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**DOW CORNING(R) 3362 HD INSULATING GLASS CATALYST BLACK****5. FIRE-FIGHTING MEASURES**

- 5.1 Suitable extinguishing media** : On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.
- Unsuitable extinguishing media** : None known.
- 5.2 Hazards during fire fighting** : Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Vapours may form explosive mixtures with air.
- Hazardous Combustion Products** : Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Nitrogen products. Chlorine compounds.
- 5.3 Special protective equipment/procedures** : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**6. ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures** : A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition.
- 6.2 Environmental precautions** : Prevent from spreading or entering into drains, ditches or rivers by using sand, earth or other appropriate barriers.
- 6.3 Methods and materials for containment and cleaning up** : Determine the need to evacuate or isolate the area according to your local emergency plan. Eliminate all possible sources of ignition. Very large spills should be contained by bunding, etc... procedures. Mop, wipe or soak up with absorbent material and place in a container with a lid. The spilled product produces an extremely slippery surface.

**7. HANDLING AND STORAGE**

- 7.1 Advice on safe handling** : General ventilation is required. Local ventilation is recommended. Avoid skin and eye contact. Do not breathe vapour. Do not breathe spray or mist. Do not ingest. Do not empty into drains.
- 7.2 Advice on storage** : Store in a flameproof, well ventilated area. Electrostatic charges may be generated during transfer of product from its container. Ensure that all equipment is electrically earthed. Keep container tightly closed. Vapours may form explosive mixtures with air. Storage temperature: minimum 5 °C, maximum 25 °C
- 7.3 Specific uses** : Refer to technical data sheet available on request.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

## 8.1 Control parameters

Name	CAS-No.	Exposure Limits
Carbon black	1333-86-4	3.5 mg/m <sup>3</sup> TWA 7 mg/m <sup>3</sup> STEL
Trimethoxy(methyl)silane	1185-55-3	50 ppm (8h TWA) - Dow Corning recommendation.
Amino functional alkoxysilanes	474530-85-3	1,000 ppm TWA as ethanol 200 ppm TWA as methanol 250 ppm STEL as methanol 1,920 mg/m <sup>3</sup> TWA as ethanol 266 mg/m <sup>3</sup> TWA as methanol 333 mg/m <sup>3</sup> STEL as methanol
Methylated silica	68611-44-9	4 mg/m <sup>3</sup> TWA Respirable dust 10 mg/m <sup>3</sup> TWA Inhalable dust
3-Aminopropyltriethoxysilane	919-30-2	1,000 ppm TWA as ethanol 1,920 mg/m <sup>3</sup> TWA as ethanol
Methanol	67-56-1	200 ppm TWA 250 ppm STEL 266 mg/m <sup>3</sup> TWA 333 mg/m <sup>3</sup> STEL
Dimethylbis[(1-oxoneodecyl)oxy]stannane	68928-76-7	0.1 mg/m <sup>3</sup> TWA as Sn 0.2 mg/m <sup>3</sup> STEL as Sn

## 8.2 Exposure controls

**Engineering Controls** : Ventilation : Refer to Section 7.1

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**DOW CORNING(R) 3362 HD INSULATING GLASS CATALYST BLACK****Personal protection equipment**

- Respiratory protection** : Contact with water or humid air will form methanol. Please take into account any occupational exposure limits for methanol which are applicable in your country.  
-  
Suitable respiratory protection should be worn if the product is used in large quantities, confined spaces or in other circumstances where the OEL may be approached or exceeded.  
A suitable respirator must be worn if the product is used in any circumstances where an aerosol or mist may be generated, such as during spraying or similar activities.  
Depending on the working conditions, wear a respiratory mask with filter(s) AXP or use a self-contained respirator.  
The choice of a filter type depends on the amount and type of chemical being handled in the workplace. Regarding filter characteristics, contact your respiratory protection supplier.
- Hand protection** : Chemical protective gloves or gauntlets should be worn and removed correctly to avoid skin contamination: Silver shield(TM). 4H(TM). Regarding glove's breakthrough time, contact your chemical protective glove supplier.
- Eye/face protection** : Safety goggles should be worn.
- Skin protection** : Wear impervious overalls in circumstances where significant skin contact can occur.
- Hygiene measures** : Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking. Remove contaminated clothing immediately.
- Additional information** : These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding the use of silicones / organic oils in consumer aerosol applications, please refer to the guidance document regarding the use of these types of materials in consumer aerosol applications that has been developed by the silicone industry ([www.SEHSC.com](http://www.SEHSC.com)) or contact the Dow Corning customer service group.
- Environmental exposure controls** : Refer to section 6 and 12.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

- Form** : Viscous Liquid
- Colour** : Black
- Odour** : Alcoholic
- Boiling point/range** : > 35C/95F
- Flash point** : 27 °C (Closed Cup)
- Explosive properties** : No  
Vapours may form explosive mixtures with air.

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<b>Specific Gravity</b>	:	1.05
<b>Viscosity</b>	:	110,000 mPa s at 25°C.
<b>Oxidizing properties</b>	:	No

The above information is not intended for use in preparing product specifications. Contact Dow Corning before writing specifications.

**10. STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	:	This product releases methanol.
<b>10.2 Stability</b>	:	Stable under normal usage conditions.
<b>10.3 Possibility of hazardous reactions</b>	:	None known.
<b>10.4 Conditions to avoid</b>	:	Eliminate all possible sources of ignition.
<b>10.5 Materials to avoid</b>	:	Can react with strong oxidising agents.
<b>10.6 Hazardous decomposition products</b>	:	Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Nitrogen products. Chlorine compounds.

**11. TOXICOLOGICAL INFORMATION****Acute toxicity:**

<b>On contact with eyes</b>	:	Slightly irritating.
<b>On skin contact</b>	:	Large amount in contact with significant skin surface areas may cause systemic adverse effects.
<b>If inhaled</b>	:	May cause dizziness, drowsiness, confusion, headaches, nausea, and at high concentrations, unconsciousness.
<b>On ingestion</b>	:	Forms methanol. Swallowing large amounts may cause systemic adverse effects and blindness.

**Chronic toxicity:**

<b>On skin contact</b>	:	Repeated contact can cause sensitisation and allergic dermatitis.
<b>If inhaled</b>	:	Prolonged or repeated inhalation may cause systemic adverse effects.
<b>On ingestion</b>	:	Repeated swallowing may cause systemic adverse effects.

**Toxicokinetics, metabolism and distribution** : Dangerous amounts can be absorbed through the skin.



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**Other Health Hazard Information** : This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

- <sup>1</sup> Based on product test data.  
<sup>2</sup> Based on test data from similar products.

**12. ECOLOGICAL INFORMATION****12.1 Ecotoxicity effects**

No adverse effects on aquatic organisms are predicted.

**12.2 Persistence and degradability**

This product hydrolyses in water or moist air, releasing methanol and organosilicons.

**12.3 Bioaccumulation**

No bioaccumulation is predicted.

**12.4 Release to waters / Mobility in soil****Fate and effects in waste water treatment plants:**

No adverse effects on bacteria are predicted.

**13. DISPOSAL CONSIDERATIONS**

**Product and packaging disposal** : Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

**14. TRANSPORT INFORMATION****Road / Rail (ADR/RID)**

**UN No.** : UN 1993  
**Proper Shipping Name** : FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Methanol)  
**Class** : 3  
**Packing group** : III  
**Labels** : 3

**Sea transport (IMDG)**

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**UN No.** : UN 1993

**Proper Shipping Name** : FLAMMABLE LIQUID, N.O.S.(Methyltrimethoxysilane / Methanol)

**Class** : 3

**Packing group** : III

**Emergency Schedule (EmS)** : F-E  
S-E

**Labels** : Flammable liquids

**Air transport (IATA)**

**UN No.** : UN 1993

**Proper Shipping Name** : Flammable liquid, n.o.s.(Methyltrimethoxysilane / Methanol)

**Class** : 3

**Packing group** : III

**Labels** : Flammable Liquids

**15. REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Status**

**EINECS** : All ingredients listed, exempt or notified (ELINCS).

**TSCA** : All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**AICS** : All ingredients listed, exempt or notified.

**IECSC** : All ingredients listed or exempt.

**ENCs/ISHL** : Consult your local Dow Corning office.

**KECL** : All ingredients listed, exempt or notified.

**PICCS** : All ingredients listed, exempt or notified.

**DSL** : Consult your local Dow Corning office.

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**DOW CORNING(R) 3362 HD INSULATING GLASS CATALYST BLACK****16. OTHER INFORMATION**

This product safety data sheet was prepared in compliance with article 31 and Annex II of the EU REACH Regulation as well as its relevant amendments, on the approximation of laws, regulations and administrative provisions relative to the classification, packaging and labelling of dangerous substances and preparations.

It is the responsibility of persons in receipt of this Product Safety Data Sheet to ensure that the information contained herein is properly read and understood by all people who may use, handle, dispose or in any way come in contact with the product. If the recipient subsequently produces a formulation containing the Dow Corning product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the Dow Corning Product Safety Data Sheet to their own Product Safety Data Sheet in compliance with article 31 and Annex II of the EU REACH Regulation.

All information and instructions provided in this Safety Data Sheet (SDS) are based on the current state of scientific and technical knowledge at the date indicated on the present SDS. Dow Corning shall not be held responsible for any defect in the product covered by this SDS, should the existence of such defect not be detectable considering the current state of scientific and technical knowledge.

As stated above, this Safety Data Sheet has been prepared in compliance with applicable European law. If you purchase this material outside Europe, where compliance laws may differ, you should receive from your local Dow Corning supplier a SDS applicable to the country in which the product is sold and intended to be used. Please note that the appearance and content of the SDS may vary - even for the same product - between different countries, reflecting the different compliance requirements. Should you have any question, please refer to your local Dow Corning supplier.

Source of information: Internal data and publically available information

**R11** Highly flammable., **R22** Harmful if swallowed., **R23/24/25** Toxic by inhalation, in contact with skin and if swallowed., **R34** Causes burns., **R36** Irritating to eyes., **R39/23/24/25** Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed., **R43** May cause sensitization by skin contact., **R48/25** Toxic: danger of serious damage to health by prolonged exposure if swallowed., **R53** May cause long-term adverse effects in the aquatic environment., **R63** Possible risk of harm to the unborn child.

**H225** Highly flammable liquid and vapour., **H301** Toxic if swallowed., **H302** Harmful if swallowed., **H311** Toxic in contact with skin., **H314** Causes severe skin burns and eye damage., **H317** May cause an allergic skin reaction., **H319** Causes serious eye irritation., **H331** Toxic if inhaled., **H361d** Suspected of damaging the unborn child., **H413** May cause long lasting harmful effects to aquatic life.