

## Carbon Loaded Silicone EC-C

### Applications:

Electrically conductive grades which when properly catalysed can be considered for applications requiring conductivity such as EMI gaskets, conductive sheaths for ignition cable core, electronic keyboard contacts, etc.

Properties	EC-C
<b>Specific Gravity</b>	1.2
<b>Hardness</b>	74° IRHD
<b>Tensile Strength</b>	7.2 MPa N/mm <sup>2</sup>
<b>Elongation @ Break</b>	180%
<b>Tear Strength</b>	26.5 N/mm
<b>Volume Resistivity</b>	12.2 $\Omega$ /cm
<b>Brittle Point</b>	-40°C

Figures given above are for guidance only.

Shielding effectiveness using the (Mil-G-83528)dB  
(Mil std 285 procedure)

Frequency	Attenuation
<b>200KHz</b>	30
<b>100MHz</b>	65
<b>500MHz</b>	60
<b>2GHz</b>	40
<b>10GHz</b>	30



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## SAFETY DATA SHEET

Product name EC-C

Supplier Nolato PPT  
Unit 12 Maldon Trade Park, The Causeway,  
Maldon, Essex, CM9 4LJ

Phone number 01376 550525  
E mail sales.ppt@nolato.com

## 2. HAZARDS IDENTIFICATION

GHS-Labeling Regulation (EC) No. 1272/2008:  
The product has not been classified as hazardous according to the legislation in force.

Labelling according to EC Directives  
Further information: The product does not need to be labelled in accordance with  
EC directives or respective national laws.  
1999/45/EC

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature  
Polydimethylsiloxane containing vinyl groups with silicic acid and fillers.

## 4. FIRST AID MEASURES

Skin contact	Wash with plenty of soap and water. After contact with skin, remove product mechanically.
Eye contact	Rinse the eye with water immediately. If eye irritation persists get medical advice/attention.
Ingestion	Call a physician or poison control centre immediately.

## 5. FIRE-FIGHTING MEASURES

Suitable extinguishing:	All standard extinguishing agents are suitable media
Further Information :	Use standard firefighting procedures and consider the hazards of other involved materials
Special protective equipment for fire-fighters:	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

## 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment.
Methods for cleaning up	Pick up and transfer to properly labelled containers.



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## 7. HANDLING AND STORAGE

Handling advice on protection against fire and explosion	Normal measures for preventive fire protection.
Requirements for storage areas and containers	Keep container tightly closed in a cool, well-ventilated place.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Hand protection advice	This recommendation is valid only for our Product as delivered. If this product will be mixed with other substances you need to contact a supplier of CE approved protective gloves
Eye protection	Safety glasses with side-shields conforming to EN166
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Good personal hygiene is necessary. Wash hands and contaminated areas with water and soap before leaving the work site. When using do not eat, drink or smoke.
Protective measures	No special protective equipment required.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance</b>	
Form	Solid
Colour	Colourless
Odour	Odourless
<b>Safety data</b>	
Flash point	>93,3 °C Method estimated
Solubility/qualitative	Insoluble
Thermal decomposition	No decomposition if stored and applied as directed.
Miscibility with water	immiscible

## 10. STABILITY AND REACTIVITY

Further information: Small amounts of formaldehyde may be generated during vulcanisation with peroxides.

## 11. TOXICOLOGICAL INFORMATION

Human experience: Experience has shown, that the above mentioned product can be used without any danger to health, as long as the usual conditions of industrial hygiene are observed.



## 12. ECOLOGICAL INFORMATION

Additional ecological information: Ecotoxicological data for this product is not available.

## 13. DISPOSAL CONSIDERATIONS

Product: According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

Contaminated packaging: Dispose of as unused product.

## 14. TRANSPORT INFORMATION

Further Information: Keep away from food, drink and animal foodstuffs.  
This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.

## 15. REGULATORY INFORMATION

Inventories

Australia Inventory of y (positive listing)  
Chemical Substances  
(AICS)

EU list of existing chemical y (positive listing)  
substances

Japan Inventory of Existing y (positive listing)  
& New Chemical  
Substances (ENCS)

China Inventory of Existing y (positive listing)  
Chemical Substances

Korea Existing Chemicals y (positive listing)  
Inventory (KECI)

Canada DSL Inventory y (positive listing)  
Canada NDSL Inventory n (Negative listing)

Philippines Inventory of  
Chemicals and Chemical y (positive listing)  
Substances (PICCS)

TSCA list y (positive listing) On TSCA Inventory



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## 16. OTHER INFORMATION

### Further information

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 a 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.

Dated 19th September 2012



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