

PRODUCT SAFETY DATA SHEET

According to EC directive 91/155/EEC and subsequent amendments

Version: 1.0

Revision Date: 01/01/02

DOW CORNING® QUICKGRIP**1. Identification of the Product.**

Commercial Name: Dow Corning® Quickgrip
 Name and Address of Supplier: Geocel Limited
 Western Wood Way
 Langage Science Park
 Plympton
 Plymouth
 PL7 5BG
 United Kingdom
 Main Switchboard: +44 (01752) 202060
 Main Fax: +44 (01752) 334384

2. Composition/Information on Ingredients.

Chemical characterisation: Solvented rubber (preparation)

Hazardous ingredients (1)

Name	CAS No	%	Symbols & health risk phrases
Mixed Aliphatic	64742-89-8	11-14	Flammable (F) R11 Highly flammable R65 Harmful – may cause lung damage if swallowed
Toluene	108-88-3	1	Flammable (F) Harmful (Xn) R11 High flammable R20 Harmful by inhalation
Butanone	78-93-3	Approx 4	Flammable (F) Irritant Xi R11 Highly flammable R36/37 Irritating to the eyes and respiratory system

(1) According to Commission Directive 88/379/EEC (Article 3 6aa)

3. Hazards Identification.

Highly flammable

PRODUCT SAFETY DATA SHEET

According to EC directive 91/155/EEC and subsequent amendments

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DOW CORNING[®] QUICKGRIP**4. First Aid.**

Skin:	Wash with hand cleaner and soap and water. Do not use solvents.
Eyes:	Flush eyes with plenty of water for at least 15 minutes. Obtain immediate medical attention.
Inhalation:	Remove to fresh air. Seek medical attention if symptoms persist.
Ingestion:	If swallowed do NOT induce vomiting. Obtain medical attention urgently.
Other first aid information:	None known.

5. Fire-Fighting Measures.

Extinguishing media:	Use carbon dioxide, dry powder or fine water spray.
Unsuitable extinguishing media:	Do not use water jet.
Unusual fire fighting hazards:	Vapour may form explosive mixture with air. Vapours are heavier than air and may travel a considerable distance to a source of ignition and flash back. Risk of drums bursting in a fire-causing explosion. Keep cool by spraying with water.
Special fire fighting procedures:	Wear self-contained breathing apparatus.
Other recommendations:	None known.
Combustion products:	Toxic fumes containing carbon monoxide and carbon dioxide.

PRODUCT SAFETY DATA SHEET

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DOW CORNING® QUICKGRIP

6. Accidental Release Measures.

Personal precautions:	Remove all possible sources of ignition. Consider evacuation of the area. Wear personal protective equipment for clean up. Ventilate area.
Precautions to protect the environment:	Avoid run-off into storm drains, sewers or watercourses and enclosed area where the vapour may create an explosive atmosphere. If this occurs, notify relevant authority together with the Fire Service.
Clean up procedures:	Absorb spill with inert material (e.g. dry sand or earth) then place in a sealed container. Product should be disposed of in sealed containers by a licensed contractor. Use non-sparking hand tools.

7. Handling and Storage.

Handling precautions:	General ventilation is required. Local ventilation is recommended. Wear proper protective equipment. If operations generate dust, fume or mist, use ventilation to keep concentrations below the exposure limit. All storage and transfer systems should be earthed to prevent build up of static electricity.
Storage:	Store in cool, dry conditions away from sources of ignition. Storage temperature should be between 5°C and 25°C in a flammable materials store.
Unsuitable packaging materials:	Many plastics.
Incompatibilities:	None known.
Other information:	None known.

PRODUCT SAFETY DATA SHEET

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DOW CORNING® QUICKGRIP**8. Exposure Controls and Personal Protection.****Exposure controls:** Refer to Section 7**Exposure controls for hazardous components**

Name	CAS No	Exposure limits (1)
Aliphatic hydrocarbons	64742-89-8	50ppm (DC recommended 8hr TWA)
Toluene	108-88-3	50ppm (OES 8hr TWA) 50ppm (OES 15min STEL) SK
Butanone	78-93-3	200ppm (OES 8hr TWA) 300ppm (OES 15min STEL) SK

Personal protective equipment

Respiratory: If exposure limits are likely to be exceeded, an organic vapour respirator is required. Exceptionally high concentrations may require the use of positive pressure breathing apparatus.

Hand: Neoprene or Nitrile gloves (solvent resistant).

Eye: Safety glasses or goggles recommended.

Skin: Overalls should be worn.

Industrial hygiene: Wash hands after use especially before eating and drinking.

(1) According to Health & Safety Executive Document EH40

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DOW CORNING® QUICKGRIP**9. Physical and Chemical Properties.****Appearance****Form:** Paste**Colour:** Buff**Odour:** Solvent**Safety related information****PH:** Not applicable**Boiling point/boiling range:** 65°C – 111°C**Melting point/melting range:** Not determined**Flashpoint:** -30°C**Flammability:** Highly flammable**Auto flammability:** 220°C**Explosive properties:** LEL 0.9% UEL 13.0%**Oxidising properties:** Not determined**Vapour pressure:** Not determined**Specific gravity:** 1.25**Solubility in water:** Insoluble**Solubility in fat:** Not determined**Oil/water partition coefficient:** Not determined**Other data****Vapour density (air=1):** Not determined**Evaporation rate (ethyl ether=1):** Not determined**Viscosity:** Not determined**% Volatiles:** Approx. 19**Molecular weight:** Not determined

PRODUCT SAFETY DATA SHEET

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DOW CORNING® QUICKGRIP

9. Physical and Chemical Properties ctd.

The above information is not intended for use in preparing product specification. Contact Geocel before writing specification.

10. Stability and Reactivity.

Stability:	Solvent will evaporate.
Reactivity:	No specific problems in normal industrial use.

11. Toxicological Information.

Possible health effects

Skin (3):	Causes skin irritation. Prolonged contact can cause some severe effects.
Eyes (3):	Vapour can irritate the eyes and splashed liquid may cause conjunctive irritation.
Inhalation (3):	Causes irritation of respiratory tract. High concentrations may depress CNS with loss of consciousness.
Ingestion (3):	Low acute toxicity. May cause gastro intestinal irritation and CNS depression leading to unconsciousness. Aspiration into lungs may cause chemical pneumonitis and lung damage.
Other health hazard information:	None known.
LC50:	Not determined
LD50:	Not determined

(1) Based on product data.

(2) Based on assessments from related products

(3) This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

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DOW CORNING® QUICKGRIP**12. Ecological Information.****Elimination (3)****Persistence:** Not determined**Degradability:** Toluene and Butanol are biodegradable.**Behaviour in aquatic compartment (3)****Mobility:** Not determined**Bioaccumulation:** Toluene has low potential to bio accumulate.**Ecotoxicity (3)****Aquatic:** Toluene is slightly toxic**Terrestrial:** Toluene is harmful to mammalian wildlife.

(1) Based on product test data

(2) Based on assessments from related products

(3) This information is based either on test data, extrapolation from tests on similar materials, review of component data, or a combination of these sources.

13. Disposal Considerations.**Product disposal:** Product should be disposed of in sealed containers by licensed contractor.**Packaging disposal:** Packaging should be disposed of in accordance with regional and/or national regulations.

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DOW CORNING® QUICKGRIP**14. Transport Information.**

This transport is classified as Dangerous for transport and should be labelled: -

UN NO: 1993**Symbols:** Highly flammable**Road & rail transport (ADR/GGVS)****Proper shipping name:** Flammable liquid, N O S**Contains:** Toluene/Methyl Ethyl Ketone**Class:** 3,3 (B)**Packaging group:** II**Tremcard number:** 30G30**EEC/ADR transport symbol:** ADR Danger Label Model Number 3**Marine transport (IMDG)****Proper shipping name:** Flammable liquid, N O S**Contains:** Toluene/Methyl Ethyl Ketone**Class:** 3.2**Package group:** II**Marine Pollutant:** Not applicable**IMO Label symbol:** Flammable liquid**Air transport (IATA)****Proper shipping name:** Flammable liquid**Contains:** Toluene/Methyl Ethyl Ketone**Class:** 3**Package group:** II**ICAO Label symbol:** Flammable liquid

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DOW CORNING® QUICKGRIP**15. Regulatory Information.****EEC Supply classification & labelling**

High flammable (F)

Contains:	Toluene, and petroleum distillate
R11:	Highly flammable
S9:	Keep container in a well ventilated place
S16:	Keep away from sources of ignition – no smoking.
S23 (V):	Do not breathe vapour
S25:	Avoid contact with eyes
S29:	Do not empty into drains
S33:	Take precautionary measures against static discharges
S51:	Use only in well ventilated areas

National legislation**Other regulations**

The petroleum storage regulations and the highly flammable liquids and liquefied petroleum gas regulations 1972 apply in the UK.

EINECS:**TSCA:****MITI:****DSL:****AICS:**

Changes have been made to the following sections in this version:
02, 04, 05, 06, 07, 08, 09, 11, 12, 14, 15

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DOW CORNING[®] QUICKGRIP

16. Other Information.

This product safety data sheet was prepared in compliance with Council directive 93/112/EC, 67/548/EEC and 1999/45/EC, as well as their 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 Geocel product, it is the recipient's sole responsibility to ensure the transfer of all relevant information from the sheet in compliance with commission Directive 1999/45/EC.

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. Geocel shall not be held responsible for any defect in the products covered by this SDS should the existence of such defect no be detectable considering the current state of scientific and technical knowledge.

Please note: for customers sourcing Geocel products in regions other than the European Union, the Safety Data Sheet will reflect the requirements of existing local legislation. This may result in a different format and presentation of hazard classification information.