



Safety Data Sheet according to (EC) No 1907/2006

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sds no. : 76514
V007.0

UNDERBODY COATING SPRAY SD500ML

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1. Identification of the substance/mixture and of the company/undertaking

Product identifier:

UNDERBODY COATING SPRAY SD500ML

Relevant identified uses of the substance or mixture and uses advised against:

Intended use:
Underbody coating

Details of the supplier of the safety data sheet:

Henkel Limited
Technologies House
Wood Lane End
HP2 4RQ Hemel Hempstead

Great Britain

Phone: +44 (0)1442 278000
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ua-productsafety.uk@uk.henkel.com

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24 Hours Emergency Tel: +44 (0)1442 278497

2. Hazards identification

Classification of the substance or mixture:

Classification (CLP):

No data available.

Classification (DPD):

F+ - Extremely flammable
R12 Extremely flammable.
N - Dangerous for the environment
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.

Label elements (CLP):

No data available.

Label elements (DPD):**F+** - Extremely flammable **N** - Dangerous for the environment**Risk phrases:****R12** Extremely flammable.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R66 Repeated exposure may cause skin dryness or cracking.
R67 Vapours may cause drowsiness and dizziness.**Safety phrases:****S2** Keep out of the reach of children.
S16 Keep away from sources of ignition - No smoking.
S23 Do not breathe gas/fumes/vapour/spray.
S51 Use only in well-ventilated areas.
S60 This material and its container must be disposed of as hazardous waste.**Additional labeling:**

Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50 °C. Do not pierce or burn, even after use. Do not spray on a naked flame or any incandescent material. Keep away from sources of ignition - No smoking. Keep out of the reach of children

Contains:

Naphtha (petroleum), hydrodesulfurized heavy

Other hazards:

The aerosol container is under pressure. Do not expose to high temperatures.

3. Composition/information on ingredients**General chemical description:**

Underbody coating, containing solvents

Base substances of preparation:

Styrene-butadiene copolymer

Declaration of ingredients according to DPD (EC) No 1999/45:

Hazardous components CAS-No.	EC Number REACH-Reg No.	content	Classification
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	265-185-4	> 25 %	R10 N - Dangerous for the environment; R51/53 Xn - Harmful; R65 R66, R67
Dimethyl ether 115-10-6	204-065-8	> 25 %	F+ - Extremely flammable; R12
zinc oxide 1314-13-2	215-222-5	< 2,5 %	N - Dangerous for the environment; R50, R53

For full text of the R-Phrases indicated by codes see section 16 'Other Information'.

Substances without classification may have community workplace exposure limits available.

4. First aid measures

Description of first aid measures:

General information:

In case of adverse health effects seek medical advice.

Inhalation:

Fresh air, oxygen supply, warmth; seek specialist medical attention.

Skin contact:

Rinse immediately with plenty of running water (for 10 minutes), Remove all contaminated clothing and apply bandage. Seek medical advice.

Eye contact:

Rinse immediately with plenty of running water (for 10 minutes), seek medical attention from a specialist.

Ingestion:

Rinse out mouth, drink 1-2 glasses of water, do not induce vomiting.
Seek medical advice, symptomatic treatment.

Most important symptoms and effects, both acute and delayed:

Vapors may cause drowsiness and dizziness.

Repeated exposure may cause skin dryness or cracking.

Indication of any immediate medical attention and special treatment needed:

Move to fresh air, consult doctor if complaint persists.

Wipe off affected skin area immediately with a soft cloth and then wash with running water and mild soap; apply skin care product.

5. Firefighting measures

Extinguishing media:

Suitable extinguishing media:

All common extinguishing agents are suitable.

Extinguishing media which must not be used for safety reasons:

Water jet (solvent-containing product).

Special hazards arising from the substance or mixture:

Cool aerosol containers with jet of water. Containers may explode.

In the event of a fire, carbon monoxide (CO) and carbon dioxide (CO₂) can be released.

Advice for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

6. Accidental release measures

General information:

Sort out leaking cans, spray until empty and destroy.

Keep away from sources of ignition and naked flames.

Personal precautions, protective equipment and emergency procedures:

Wear protective equipment.

Ensure adequate ventilation.

Danger of slipping on spilled product.

Keep unprotected persons away.

Environmental precautions:

Do not empty into drains / surface water / ground water.
Inform authorities in the event of product spillage to water courses or sewage systems.

Methods and material for containment and cleaning up:

Remove with liquid-absorbing material (sand, peat, sawdust).
Dispose of contaminated material as waste according to Chapter 13.

Reference to other sections:

See advice in chapter 8

7. Handling and storage

Precautions for safe handling:

Ventilate working rooms thoroughly. Avoid naked flames, sparking and sources of ignition. Switch off electrical devices. Do not smoke, do not weld. Do not empty waste into waste water drains.
Take measures to prevent the build-up of electrostatic charges.
Use explosion-proof equipment.
Do not spray against flames or glowing bodies. Keep away from sources of ignition - no smoking.

Hygiene measures:

Do not eat, drink or smoke while working.
Wash hands before work breaks and after finishing work.

Conditions for safe storage, including any incompatibilities:

The storage regulations for aerosols apply.
Ensure good ventilation/extraction.
Store in a cool place.
Protect from direct sunlight.
Storage at 15 to 20°C is recommended.

Specific end use(s):

Underbody coating

8. Exposure controls/personal protection

Control parameters:

Valid for
Great Britain
Basis
UK EH40 WELs

Ingredient	ppm	mg/m3	Type	Category	Remarks
DIMETHYL ETHER 115-10-6	500	958	Short Term Exposure Limit (STEL):		EH40 WEL
DIMETHYL ETHER 115-10-6	400	766	Time Weighted Average (TWA):		EH40 WEL
DIMETHYLETHER 115-10-6	1.000	1.920	Time Weighted Average (TWA):	Indicative	ECLTV

Exposure controls:**Engineering controls:**

Use only in well ventilated areas.
Draw off vapors and fumes directly at the point of generation or release. In the case of regular work use bench-mounted extraction equipment.

Respiratory protection:

Suitable breathing mask when there is inadequate ventilation.

Hand protection:

Chemical-resistant protective gloves (EN 374). Suitable materials for short-term contact or splashes (recommended: at least protection index 2, corresponding to > 30 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; ≥ 0.7 mm thickness) Suitable materials for longer, direct contact (recommended: protection index 6, corresponding to > 480 minutes permeation time as per EN 374): Isobutylene-isoprene rubber (IIR; ≥ 0.7 mm thickness) This information is based on literature references and on information provided by glove manufacturers, or is derived by analogy with similar substances. Please note that in practice the working life of chemical-resistant protective gloves may be considerably shorter than the permeation time determined in accordance with EN 374 as a result of the many influencing factors (e.g. temperature). If signs of wear and tear are noticed then the gloves should be replaced.

Eye protection:

Protective goggles

Skin protection:

Wear protective equipment.

Advices to personal protection equipment:

Use only personal protection that's CE-labelled according to the regulation no. 819 of 19 August 1994.

9. Physical and chemical properties

Information on basic physical and chemical properties:

Appearance	aerosol liquid black
Odor	of solvent
pH	No data available / Not applicable
Initial boiling point	No data available / Not applicable
Flash point	No data available / Not applicable
Decomposition temperature	No data available / Not applicable
Vapour pressure	No data available / Not applicable
Density (20 °C (68 °F))	0,97 g/cm ³
Bulk density	No data available / Not applicable
Viscosity	No data available / Not applicable
Viscosity (kinematic)	No data available / Not applicable
Explosive properties	No data available / Not applicable
Solubility (qualitative) (20,0 °C (68 °F); Solvent: Water)	Insoluble
Solidification temperature	No data available / Not applicable
Melting point	No data available / Not applicable
Flammability	No data available / Not applicable
Auto-ignition temperature	No data available / Not applicable
Explosive limits	No data available / Not applicable
Partition coefficient: n-octanol/water	No data available / Not applicable
Evaporation rate	No data available / Not applicable
Vapor density	No data available / Not applicable
Solid content	58 %
Oxidising properties	No data available / Not applicable

Other information:

Ignition temperature > 250 °C (> 482 °F)

10. Stability and reactivity

Reactivity:

None if used for intended purpose.

Chemical stability:

Stable under recommended storage conditions.

Possibility of hazardous reactions:

See section reactivity

Conditions to avoid:

Temperatures over appr. 50 °C

Container may burst when heated to over 50°C. The contents may form explosive, combustible mixture. Avoid ignition sources and naked flames. Comply with warming on container label.

Hazardous decomposition products:

No decomposition if used according to specifications.

11. Toxicological information**General toxicological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Vapors may cause drowsiness and dizziness.

Skin irritation:

Prolonged or repeated skin contact can lead to skin degreasing and hence to skin irritation.

Acute toxicity:

Hazardous components CAS-No.	Value type	Value	Route of application	Exposure time	Species	Method
zinc oxide 1314-13-2	LD50	> 5.000 mg/kg	oral		rat	

Skin corrosion/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
zinc oxide 1314-13-2	not irritating		rabbit	

Serious eye damage/irritation:

Hazardous components CAS-No.	Result	Exposure time	Species	Method
zinc oxide 1314-13-2	not irritating		rabbit	

Respiratory or skin sensitization:

Hazardous components CAS-No.	Result	Test type	Species	Method
zinc oxide 1314-13-2	not sensitising	Guinea pig maximisation test	guinea pig	OECD Guideline 406 (Skin Sensitisation)

Germ cell mutagenicity:

Hazardous components CAS-No.	Result	Type of study / Route of administration	Metabolic activation / Exposure time	Species	Method
Dimethyl ether 115-10-6	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		
zinc oxide 1314-13-2	negative	bacterial reverse mutation assay (e.g Ames test)	with and without		

Repeated dose toxicity

Hazardous components CAS-No.	Result	Route of application	Exposure time / Frequency of treatment	Species	Method
Dimethyl ether 115-10-6	NOAEL=> 10000 ppm	inhalation	4 week 6 hours/day, 5 days/week	rat	

12. Ecological information**General ecological information:**

The preparation is classified based on the conventional method outlined in Article 6(1)(a) of Directive 1999/45/EC. Relevant available health/ecological information for the substances listed under Section 3 is provided in the following.

Toxic to aquatic organisms

May cause long-term adverse effects in the aquatic environment.

Do not empty into drains, soil or bodies of water.

Toxicity:

Hazardous components CAS-No.	Value type	Value	Acute Toxicity Study	Exposure time	Species	Method
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	LC50	68,2 mg/l	Fish	96 h	Pimephales promelas	OECD Guideline 203 (Fish, Acute Toxicity Test)
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	EC50	100 - 220 mg/l	Daphnia		Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	EC50	10 - 100 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
Dimethyl ether 115-10-6	LC50	> 4.000 mg/l	Fish	96 h	Poecilia reticulata	OECD Guideline 203 (Fish, Acute Toxicity Test)
Dimethyl ether 115-10-6	EC50	> 4.000 mg/l	Daphnia	48 h	Daphnia magna	OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
Dimethyl ether 115-10-6	EC50	> 1.000 mg/l	Algae			OECD Guideline 201 (Alga, Growth Inhibition Test)
zinc oxide 1314-13-2	LC50	> 1.000 mg/l	Fish		Leuciscus idus	OECD Guideline 203 (Fish, Acute Toxicity Test)
zinc oxide 1314-13-2	EC50	170 µg/l	Algae	72 h	Selenastrum capricornutum (new name: Pseudokirchnerella subcapitata)	OECD Guideline 201 (Alga, Growth Inhibition Test)

Persistence and degradability:

Hazardous components CAS-No.	Result	Route of application	Degradability	Method
Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	readily biodegradable	aerobic	63 %	OECD Guideline 301 B (Ready Biodegradability: CO2 Evolution Test)
Dimethyl ether 115-10-6	under test conditions no biodegradation observed	aerobic	5 %	EU Method C.4-A (Determination of the "Ready" Biodegradability Dissolved Organic Carbon (DOC) Die-Away Test)

Bioaccumulative potential / Mobility in soil:

Hazardous components CAS-No.	LogKow	Bioconcentration factor (BCF)	Exposure time	Species	Temperature	Method
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Naphtha (petroleum), hydrodesulfurized heavy 64742-82-1	3,5 - 6,4				20 °C	OECD Guideline 117 (Partition Coefficient (n- octanol / water), HPLC Method)
Dimethyl ether 115-10-6	0,1					

13. Disposal considerations

Waste treatment methods:

Product disposal:

The valid EEC waste code numbers are not product-related but are largely source-related. These can be requested from the manufacturer.

In consultation with the responsible local authority, must be subjected to special treatment.

14. Transport information

Road transport ADR:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode: (D)
Additional substance property: Environmentally Hazardous

Railroad transport RID:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number: 23
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Tunnelcode:
Additional substance property: Environmentally Hazardous

Inland water transport ADN:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.1
Technical name: AEROSOLS
Additional substance property: Environmentally Hazardous

Marine transport IMDG:

Class: 2.1
Packaging group:
UN no.: 1950
Label: 2.1
EmS: F-D ,S-U
Seawater pollutant: Marine pollutant
Proper shipping name: AEROSOLS (Solvent naphtha)

Air transport IATA:

Class:	2.1
Packaging group:	
Packaging instructions (passenger)	203
Packaging instructions (cargo)	203
UN no.:	1950
Label:	2.1
Proper shipping name:	Aerosols, flammable

15. Regulatory information**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

VOC content	27 %
(VOCV 814.018 VOC regulation CH)	

VOC Paints and Varnishes (EU):

Regulatory Basis:	Directive 2004/42/EC
Product (sub)category:	Special finishes
Phase I (from 1.1.2007):	840 g/l
max. VOC content:	612 g/l

16. Other information

The labelling of the product is indicated in Section 2. The full text of all abbreviations indicated by codes in this safety data sheet are as follows:

- R10 Flammable.
- R12 Extremely flammable.
- R50 Very toxic to aquatic organisms.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R53 May cause long-term adverse effects in the aquatic environment.
- R65 Harmful: may cause lung damage if swallowed.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Further information:

This information is based on our current level of knowledge and relates to the product in the state in which it is delivered. It is intended to describe our products from the point of view of safety requirements and is not intended to guarantee any particular properties.