



Safety Data Sheet according to (EC) No 1907/2006 - ISO 11014-1

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AERODAG CERAMISHIELD

sds no. : 326229

V002.0

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

Trade name:

AERODAG CERAMISHIELD

Intended use:

Special Products

Company name:

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

Great Britain

Phone: +44 (0)1442 278000

Fax-no.: +44 (0)1442 278071

E-mail address of person responsible for Safety Data Sheet:

ua-productsafety.uk@uk.henkel.com

Emergency information:

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

2. Hazards identification

R12 Extremely flammable.

R36 Irritating to eyes.

R66 Repeated exposure may cause skin dryness or cracking.

R67 Vapours may cause drowsiness and dizziness.

The product is classified as hazardous within the meaning of the valid (EU) preparation directive.

3. Composition / information on ingredients

Base substances of preparation:

Pigment

solvent

Declaration of ingredients according to (EC) No 1907/2006:

Hazardous components CAS-No.	EINECS ELINCS	content	Classification
Acetone 67-64-1	200-662-2	25 - 50 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
Propane 74-98-6	200-827-9	10 - 25 %	F+ - Extremely flammable; R12
Butane, n- 106-97-8	203-448-7	10 - 25 %	F+ - Extremely flammable; R12
Butanone 78-93-3	201-159-0	10 - 25 %	F - Highly flammable; R11 Xi - Irritant; R36 R66 R67
1,3-Dioxolane 646-06-0	211-463-5	1 - 5 %	F - Highly flammable; R11
Methylal 109-87-5	203-714-2	1 - 5 %	F - Highly flammable; R11

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

Inhalation:

Move to fresh air, consult doctor if complaint persists.

Skin contact:

Rinse with running water and soap.

In case of adverse health effects seek medical advice.

Eye contact:

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

Ingestion:

None

5. Fire fighting measures

Suitable extinguishing media:

Carbon dioxide, foam, powder
fine water spray

Special protection equipment for firefighters:

Wear protective equipment.

Wear self-contained breathing apparatus.

Special hazards by the product itself:

Cool pressurized can containers with jet of water. Containers may explode.

6. Accidental release measures

General information:

Danger of slipping on spilled product.

Keep away from sources of ignition and naked flames.

Personal precautions:

Avoid skin and eye contact.

See advice in chapter 8

Environmental precautions:

Do not empty into drains / surface water / ground water.

Clean-up methods:

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Dispose of contaminated material as waste according to item 13.

7. Handling and storage**Handling:**

Ensure that workrooms are adequately ventilated.
Avoid open flames and sources of ignition.

8. Exposure controls / personal protection**Components with specific control parameters for workplace:**

Valid for
Great Britain

Ingredient	ppm	mg/m ³	Type	Category	Remarks
ACETONE 67-64-1	500	1.210	Time Weighted Average (TWA).		ECLTV
ACETONE 67-64-1	1.500	3.620	Short Term Exposure Limit (STEL):		EH40 WEL
ACETONE 67-64-1	500	1.210	Time Weighted Average (TWA).		EH40 WEL
BUTANE 106-97-8	750	1.810	Short Term Exposure Limit (STEL):		EH40 WEL
BUTANE 106-97-8	600	1.450	Time Weighted Average (TWA).		EH40 WEL
BUTANONE 78-93-3	200	600	Time Weighted Average (TWA).		ECLTV
BUTANONE 78-93-3	300	900	Short Term Exposure Limit (STEL):		ECLTV
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	300	899	Short Term Exposure Limit (STEL):		EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3			Skin designation:	Can be absorbed through the skin.	EH40 WEL
BUTAN-2-ONE (METHYL ETHYL KETONE) 78-93-3	200	600	Time Weighted Average (TWA).		EH40 WEL
DIMETHOXYMETHANE 109-87-5	1.250	3.950	Short Term Exposure Limit (STEL):		EH40 WEL
DIMETHOXYMETHANE 109-87-5	1.000	3.160	Time Weighted Average (TWA).		EH40 WEL

Engineering controls:

Ensure good ventilation/extraction.

Respiratory protection:

if there is atomisation

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:

Tightly fitting safety goggles

Skin protection:

Wear suitable protective clothing.

9. Physical and chemical properties

General characteristics:

Appearance	aerosol gas White
Odor:	Solvent

Phys./chem. properties:

pH-value	Not applicable
Flash point	Solvent Mixtures
Density	0,8 g/cm ³
0	
Solubility (qualitative)	Soluble
Explosion limit	
lower [vol%]	1,8 %(V)
upper [vol%]	13,0 %(V)
VOC-content (1999/13/EC)	88 %

10. Stability and reactivity

Conditions to avoid:

Heat, flames, sparks and other sources of ignition.

Materials to avoid:

Reaction with strong oxidants.

Hazardous decomposition products:

None if used for intended purpose.

11. Toxicological information

Inhalative toxicity:

May cause headache and dizziness.

Skin irritation:

Prolonged or repeated contact may cause skin irritation.

Eye irritation:

Irritating to eyes.

12. Ecological information

General ecological information:

Do not empty into drains / surface water / ground water.

Other remarks:

The product contains organic solvents which are insoluble in water. According to the requirements of the ATV regulations for the discharge of wastewater from commercial and industrial plant, organic solvents which are immiscible with water can only be discharged to an extent which corresponds to their solubility in water. The local discharge regulations take precedence.

13. Disposal considerations

Product disposal:

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

Waste code():
080111

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)

Railroad transport RID:

Class: 2
Packaging group:
Classification code: 5F
Hazard ident. number:
UN no.: 1950
Label: 2.2
Technical name: AEROSOLS
Tunnelcode:

Inland water transport ADN:

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

Marine transport IMDG:

Class: 2.1
Packaging group:
UN no.: 1950
Label: 2.1
EmS: F-D .S-U
Seawater pollutant: -
Proper shipping name: AEROSOLS

Air transport IATA:

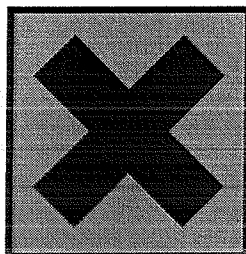
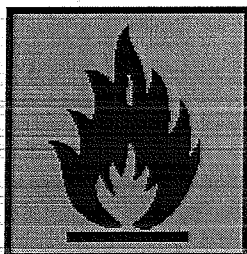
Class: 2.1
Packaging group:
Packaging instructions (passenger) 203
Packaging instructions (cargo) 203
UN no.: 1950
Label: 2.1
Proper shipping name: Aerosols, flammable

15. Regulations - classification and identification

Indication of danger:

F+ - Extremely flammable

Xi - Irritant



Risk phrases:

- R12 Extremely flammable.
- R36 Irritating to eyes.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

Safety phrases:

- S16 Keep away from sources of ignition - No smoking.
- S23 Do not breathe spray.
- S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- S38 In case of insufficient ventilation, wear suitable respiratory equipment.
- S24 Avoid contact with skin.

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

National regulations/information (Great Britain):

Remarks

Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, e.g COSHH Essentials.
EH40 Occupational Exposure Limits
Chemicals (Hazard Information & Packaging for Supply) Regulations.
The Personnel Protective Equipment at Work Regulations.
The Carriage of Dangerous Goods by Road Regulations.
The Health & Safety at Work Act 1974.
(Note: Use latest editions/amendments of above referenced documents.)

16. Other information

The labelling of the product is indicated in Section 15. The full text of the R-phrases indicated by codes in this safety data sheet are as follows:

- R11 Highly flammable.
- R12 Extremely flammable.
- R36 Irritating to eyes.
- 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.