



BD47 Aerokote Catalyst

Safety Data Sheet

Revision date: 16/07/2024

Supersedes date: 16/07/2024 Revised Issue: 07/07/2025 Version: 2.0

Pages 1/8

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name Aerokote Catalyst
Product number BD47
UFI S520-U0YF-500V-09CP

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Modelling use. Coating for wood

1.3. Details of the supplier of the safety data sheet

Supplier

Deluxe Materials Ltd.,
Unit 12/13 Cufau de Business park, Cufau de Lane,
Bramley, Hampshire RG26 5DL England
T +44(0)1256 883944
john@deluxematerials.com - www.deluxematerials.com

GPSR EU Representative
Authorised Rep Compliance Ltd., Ground Floor
71 Lower Baggot Street, Dublin, D02 P593, Ireland
www.arccompliance.com

1.4. Emergency telephone number T +44(0)1256 883944 (9.00 to 5.00 office hours only)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (SI 2019 No. 720)

Physical hazards Flam. Liq. 2 - H225
Health hazards Skin Corr. 1 - H314 Eye Dam. 1 - H318 STOT SE 2 - H371 STOT SE 3 - H335, H336
Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) Xn;R20/21/22,R68/20/21/22. Xi;R36/37/38. F;R11.

2.2. Label elements

Hazard pictograms



Signal word

Danger

Hazard statements

H225 Highly flammable liquid and vapour.
H314 Causes severe skin burns and eye damage.
H371 May cause damage to organs .
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.



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Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P240 Ground and bond container and receiving equipment.
P241 Use explosion-proof electrical equipment.
P242 Use non-sparking tools.
P243 Take action to prevent static discharges.
P260 Do not breathe vapour/ spray.
P261 Avoid breathing vapour/ spray.
P264 Wash contaminated skin thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P311 IF exposed or concerned: Call a POISON CENTER or doctor.
P310 Immediately call a POISON CENTER/ doctor.
P312 Call a POISON CENTRE/doctor if you feel unwell.
P321 Specific treatment (see medical advice on this label).
P363 Wash contaminated clothing before reuse.
P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.
P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.
P501 Dispose of contents/ container in accordance with national regulations.

Contains

ISO-BUTANOL, TOLUENESULPHONIC ACID -para <= 5% H₂SO₄, METHANOL

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

ETHANOL		30-60%
CAS number: 64-17-5	EC number: 200-578-6	
Classification Flam. Liq. 2 - H225	Classification (67/548/EEC or 1999/45/EC) F;R11	
ISO-BUTANOL		30-60%
CAS number: 78-83-1	EC number: 201-148-0	
Classification Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Eye Dam. 1 - H318 STOT SE 3 - H335, H336	Classification (67/548/EEC or 1999/45/EC) R10 Xi;R37/38,R41 R67	



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TOLUENESULPHONIC ACID -para <= 5% H2SO4		10-30%
CAS number: 104-15-4		EC number: 203-180-0
Classification Skin Corr. 1 - H314 Eye Dam. 1 - H318 STOT SE 3 - H335	Classification (67/548/EEC or 1999/45/EC) Xi;R36/37/38	
METHANOL		1-5%
CAS number: 67-56-1		EC number: 200-659-6
Classification Flam. Liq. 2 - H225 Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 STOT SE 1 - H370	Classification (67/548/EEC or 1999/45/EC) F;R11 T;R23/24/25,R39/23/24/25	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Keep affected person away from heat, sparks and flames.
Inhalation	Move affected person to fresh air at once. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.
Ingestion	Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. Remove affected person from source of contamination. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing.
Eye contact	Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

4.2. Most important symptoms and effects, both acute and delayed

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
Inhalation	The product contains organic solvents.
Ingestion	Harmful if swallowed.
Skin contact	Contains components which may penetrate the skin.
Eye contact	This product is strongly irritating.

4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media



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Suitable extinguishing media Extinguish with the following media: Foam. Carbon dioxide (CO₂). Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards Fire creates: Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation.

6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Keep away from heat, sparks and open flame.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

ETHANOL

Long-term exposure limit (8-hour TWA): OES 1000 ppm 1920 mg/m³

Short-term exposure limit (15-minute): OES

ISO-BUTANOL

Long-term exposure limit (8-hour TWA): OES 50 ppm 154 mg/m³

Short-term exposure limit (15-minute): OES 75 ppm 231 mg/m³

METHANOL

Long-term exposure limit (8-hour TWA): OES 200 ppm(Sk) 266 mg/m³(Sk)

Short-term exposure limit (15-minute): OES 250 ppm(Sk) 333 mg/m³(Sk)

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate general and local exhaust ventilation.



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Eye/face protection	The following protection should be worn: Chemical splash goggles.
Hand protection	Use protective gloves.
Other skin and body protection	Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
Hygiene measures	Do not smoke in work area. Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Clear liquid.
Odour	Alcoholic.
pH	pH (concentrated solution): 1-2
Melting point	-112°C
Initial boiling point and range	78°C @
Flash point	13°C Closed cup.
Upper/lower flammability or explosive limits	Upper flammable/explosive limit: 19 Lower flammable/explosive limit: 3.5
Vapour pressure	5.81 kPa @ °C
Vapour density	1.59
Relative density	0.880 @ °C
Auto-ignition temperature	365°C
Comments	Information given is applicable to the major ingredient.

9.2. Other information

Volatile organic compound	This product contains a maximum VOC content of 668 g/l.
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SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.
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10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Avoid contact with the following materials: Acids. Oxidising agents.
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10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition products	Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂).
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SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 5,291.01

Acute toxicity - dermal

ATE dermal (mg/kg) 15,873.02

Acute toxicity - inhalation

ATE inhalation (gases ppm) 37,037.04

ATE inhalation (vapours mg/l) 158.73

ATE inhalation (dusts/mists mg/l) 26.46

Inhalation Harmful: possible risk of irreversible effects through inhalation.

Ingestion Harmful: possible risk of irreversible effects if swallowed.

Skin contact Harmful: possible risk of irreversible effects in contact with skin. Irritating to skin.

Eye contact Irritating to eyes.

Target organs Skin Eyes Respiratory system, lungs

SECTION 12: Ecological information

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (IMDG) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT OR PAINT RELATED MATERIAL

Proper shipping name (ADN) PAINT OR PAINT RELATED MATERIAL



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14.3. Transport hazard class(es)

ADR/RID class	3
ADR/RID label	3
IMDG class	3
ICAO class/division	3

Transport labels



14.4. Packing group

ADR/RID packing group	II
IMDG packing group	II
ICAO packing group	II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	3-05
Emergency Action Code	3YE
Hazard Identification Number (ADR/RID)	33

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulations	The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
Guidance	Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (Sixth edition) L131.

15.2. Chemical safety assessment

SECTION 16: Other information

Revision date	07/07/2025
Risk phrases in full	R11 Highly flammable. R20/21/22 Harmful by inhalation, in contact with skin and if swallowed. R23/24/25 Toxic by inhalation, in contact with skin and if swallowed. R36/37/38 Irritating to eyes, respiratory system and skin. R39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed. R68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.



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Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H301 Toxic if swallowed.
H311 Toxic in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H331 Toxic if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H370 Causes damage to organs .
H371 May cause damage to organs .