

Revision Date 15/05/2025

Date of the previous version 14/01/2025

Version 7
EN

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product Name **EXOCOAT Ceramic+**

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

Recommended Use Coating raw Material.
Uses advised against No information available.

1.3. Details of the supplier of the safety data sheet

Axcentive SARL
Chemin de Champouse
13320 Bouc Bel Air France
Tel.: +33 442 694 090
Fax: +33 442 694 099
Email: info@axcentive.com

Axcentive Asia Pte Ltd
30 Prinsep Street,
#06-01, Singapore 188647.
+65 6354 0545

1.4. Emergency telephone number

UK National Health Service (NHS) call 111 or, in life-threatening emergencies, call 999

WAL National Health Service (NHS) call 0845 46 47

IE National Poisons Information Centre
+353 1 809 2566 or +353 1 837 9964 (only for healthcare professionals)

Global Incident Response Hotline (Access code: 333881)
Europe: +1 760 476 3962
Great Britain: +44 20 35147487
North-America: 1.866.519.4752
South-America: 1.760.476.3962
Asia Pacific: +86-4001203572
Middle East/Africa: 1-760-476-3959
Australia: +61-280363166
New Zealand: +64 800 451719

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (1272/2008/EC)

Skin corrosion/irritation	Category 1B - H314
Flammable liquid	Category 3 - H226

2.2. Label elements

**Signal word**

Warning

Hazard Statements

H226 - Flammable liquid and vapour

H314 - Causes severe skin burns and eye damage

EUH066 - Repeated exposure may cause skin dryness or cracking

Precautionary Statements

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking

P233 Keep container tightly closed

P260 - Do not breathe dust/fume/gas/mist/vapours/spray

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/shower

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position 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

2.3 Other hazards

None known.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	EC-No	CAS-No	Weight %	Classification (1272/2008/EC)	REACH Registration Number
Organometallic polymer	-	-	40-70	Skin Corr. 1B H314	-
Butyl propionate	209-669-5	590-01-2	35-45	Flam. Liq. 3 H226	01-2120115139-63

For the full text of the H-Statements mentioned in this section, see Section 16.

SECTION 4: FIRST AID MEASURES**4.1. Description of first aid measures**

General advice	Immediate medical attention is required.
Eye contact	Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Immediate medical attention is required.
Skin contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. Immediate medical attention is required.
Ingestion	Clean mouth with water and afterwards drink plenty of water. Immediate medical attention is required.
Inhalation	Remove to fresh air and keep at rest in a position comfortable for breathing. Get medical

Incompletely evaluated substances - For R&D purpose only - Not to be copied to third parties.

attention immediately if symptoms occur. If not breathing, if breathing is irregular or if respiration arrest occurs, provide artificial respiration or oxygen by trained personnel.

Protection of first-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not breathe vapours or spray mist.

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

Main symptoms Burning feeling and temporary redness, Rashes, Itching. May cause irritation of respiratory tract.

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

Notes to physician Treat symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Use water spray, fog, Carbon dioxide (CO₂), foam or dry chemical.

Unsuitable Extinguishing Media None known based on information supplied.

5.2. Special hazards arising from the substance or mixture

Special Hazard Flammable liquid and vapour.

5.3. Advice for firefighters

Special protective equipment for fire-fighters As in any fire, wear self-contained breathing apparatus and full protective gear.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapours, mist or gas.

6.2. Environmental precautions

Should not be released into the environment. Prevent further leakage or spillage if safe to do so.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

6.4. Reference to other sections

See sections 8 and 13.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

No special requirements. Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly

Incompletely evaluated substances - For R&D purpose only - Not to be copied to third parties.

labelled containers. Keep away from open flames, hot surfaces and sources of ignition.

Conditions for safe storage

Keep containers tightly closed in a dry, cool and well-ventilated place, away from light. Use with adequate ventilation. Storing temperature must not exceed 25 °C.

Open the container quarterly under adequate ventilation to release the over-pressure, and close tightly again. A slight Ammonia smell may be noticed. In case of repacking, it is advised to perform a Nitrogen blanketing to limit moisture. Wear recommended protective equipment.

7.3. Specific end use(s)

Exposure scenario Not available.

Other information Not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Exposure Limits Components with workplace control parameters.

Chemical Name	European Union	The United Kingdom	France	Spain	Germany
Butyl propionate					

Chemical Name	Italy	Portugal	Netherlands	Denmark	Poland
Butyl propionate					

Chemical Name	Belgium	Sweden	Hungary	Finland	Czech Republic
Butyl propionate					

Biological Limit Values Not established.

Recommended monitoring procedures Refer to European Standard EN 14042 (Workplace atmospheres - Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents) or equivalent national standard(s). Refer to European Standard EN 482 (Workplace atmospheres - General requirements for the performance of procedures for the measurement of chemical agents) or equivalent national standard(s). Refer to European Standard EN 689 (Workplace atmospheres - Guidance for the assessment of exposure by inhalation to chemical agents for comparison with limit values and measurement strategy) or equivalent national standard(s).

Derived No Effect Level (DNEL) No information available.

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Appropriate engineering controls Showers, eyewash stations, and ventilation systems.

Individual protection measures, such as personal protective equipment

Eye protection Tightly fitting safety goggles.
Hand Protection Protective gloves (EN 374).
Skin and body protection Long sleeved clothing.
Respiratory protection Wear respiratory protection.

Hygiene Measures Handle in accordance with good industrial hygiene and safety practice. Remove and wash contaminated clothing before re-use. Do not eat, drink or smoke when using this product.

Environmental Exposure Controls The product should not be allowed to enter drains, water courses or the soil.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state @20°C	Liquid
Appearance	Clear Liquid
Colour	Colourless To Slight Yellow
Odour	No information available
pH	No information available
Melting/freezing point	No information available
Boiling point/boiling range	No information available
Flash point	37 °C
Evaporation rate	No information available
Flammability (solid, gas)	Flammable Liquid
Flammability Limits in Air	No information available
Vapour pressure	No information available
Vapour density	No information available
Relative density	No information available
Solubility	
Water solubility	No information available
Partition Coefficient (n-octanol/water)	No information available
Autoignition temperature	No information available
Decomposition temperature	No information available
Viscosity, dynamic	No information available
Explosive properties	No information available
Oxidising properties	No information available

9.2 Other information

Density ≈ 900 kg/m³

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No information available.

10.2. Chemical stability

The product may slowly hydrolyze in the presence of moisture and build up pressure.

10.3 Possibility of hazardous reactions

Hazardous polymerisation does not occur.

10.4. Conditions to avoid

Heat, flames and sparks. Exposure to air or moisture over prolonged periods.

10.5. Incompatible materials

Strong oxidising agents.

10.6. Hazardous decomposition products

Thermal decomposition can lead to release of irritating and toxic gases and vapours.

SECTION 11: TOXICOLOGICAL INFORMATION

Incompletely evaluated substances - For R&D purpose only - Not to be copied to third parties.

11.1. Information on toxicological effects

Acute toxicity	
Ingestion	No known effect.
Skin contact	No known effect.
Inhalation	No known effect.

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Butyl propionate	> 10000 mg/kg (Rat)	> 10000 mg/kg (Rat)	> 23.78 mg/L air (Rat)

Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Causes severe damage to eyes.
Respiratory or skin sensitisation	No known effect.
Germ cell mutagenicity	Not known to cause heritable genetic damage.
Carcinogenicity	Contains no ingredient listed as a carcinogen.
Reproductive toxicity	Based on available data, the classification criteria are not met.
STOT-single exposure	May cause drowsiness and dizziness.
STOT-repeated exposure	See STOT-single exposure.
Aspiration hazard	No known effect.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Chemical Name	Toxicity to algae	Toxicity to fish	Toxicity to microorganisms	Toxicity to daphnia and other aquatic invertebrates
Butyl propionate	EC50: 175 mg/L Pseudokirchneriella subcapitata 72 h	LC50: 6.22-7.63 mg/L Oncorhynchus mykiss 96 h flow-through	IC50: 508 mg/L 16 h	

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Chemical Name	Log P _{ow}	Bioconcentration factor (BCF)
Butyl propionate	2.67	-

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

Incompletely evaluated substances - For R&D purpose only - Not to be copied to third parties.

13.1. Waste treatment methods**Waste from residues / unused products**

Dispose of in accordance with local regulations.

Contaminated packaging

Dispose of in accordance with local regulations. Empty containers should be taken to an approved waste handling site for recycling or disposal.

SECTION 14: TRANSPORT INFORMATION

According to: ADR, RID, ADN, IMDG, IATA/ICAO.

14.1. UN number

UN 2924

14.2. UN proper shipping name

Flammable liquid, corrosive, n.o.s

14.3. Transport hazard class(es)

Hazard class 3 (8)

14.4. Packing group

Packing Group III

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Not applicable.

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

Not applicable.

SECTION 15: REGULATORY INFORMATION**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****Restrictions on use**

This product is for research and development only.

Other Regulations

No information available.

15.2 Chemical safety assessment

Not required.

SECTION 16: OTHER INFORMATION**Full text of H-Statements referred to under sections 2 and 3**

H226 - Flammable liquid and vapour

H314 - Causes severe skin burns and eye damage

EUH066 - Repeated exposure may cause skin dryness or cracking

Incompletely evaluated substances - For R&D purpose only - Not to be copied to third parties.

Revision Note

Change in storage conditions.

Abbreviations and acronyms

ES: Exposure Scenario

EC: European Commission

REACH: Registration, Evaluation, Authorisation and Restriction of Chemical substances

LD50: Medial lethal dose

STOT: Specific Target Organ Toxicity

PBT: Persistent, Bioaccumulative, Toxic

vPvB: very Persistent and very Bioaccumulating

ADR: Accord européen relatif au transport international des marchandises Dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement concernant le transport international ferroviaire des marchandises dangereuses (Regulations for the International Transport of Dangerous Goods by Rail)

ADN: Accord européen relatif au transport international des marchandises Dangereuses par voies de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

IMDG: International Maritime Dangerous Goods Code

ICAO: International Civil Aviation Organization

SDS No.

AX00030

This safety data sheet complies with the requirements of: Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008.

Disclaimer

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.