



SAFETY DATA SHEET FLOORCOTE AQ200 CURING AGENT

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

1.1. Product identifier

Product name FLOORCOTE AQ200 CURING AGENT
Product number FQACT
UFI UFI: AMMQ-W27V-900T-TX1X

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

Identified uses PC 9a: Coatings and paints, thinners, paint removers. Curing agent for use in two pack epoxy coatings.

1.3. Details of the supplier of the safety data sheet

Supplier Axalta Coating Systems Huthwaite UK Ltd
 Blackwell Road
 Huthwaite
 Nottinghamshire
 United Kingdom
 NG17 2RL
 Tel: +44 (0)1623 510585

Contact person info-huthwaite@axaltacs.com

1.4. Emergency telephone number

Emergency telephone United Kingdom: 01623 528938 (Mon-Thu 0700 - 1600 hrs, Fri 0700 - 1245 hrs).

SECTION 2: Hazards identification

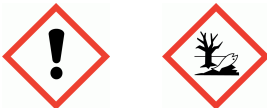
2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified
Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317
Environmental hazards Aquatic Chronic 2 - H411

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H411 Toxic to aquatic life with long lasting effects.

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Precautionary statements	<p>P261 Avoid breathing vapour/ spray.</p> <p>P264 Wash contaminated skin thoroughly after handling.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/ attention.</p> <p>P337+P313 If eye irritation persists: Get medical advice/ attention.</p> <p>P362+P364 Take off contaminated clothing and wash it before reuse.</p> <p>P391 Collect spillage.</p> <p>P501 Dispose of contents/ container in accordance with national regulations.</p>
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Contains	EPOXY RESIN (Number average MW <= 700), OXIRANE, MONO [(C12-14-ALKYLOXY)METHYL] DERIVS, BISPHENOL F-EPOXY RESIN
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Other information

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE	60-100%
CAS number: 25068-38-6 EC number: 500-033-5 REACH registration number: 01-2119456619-26-XXXX	
Classification Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	
OXIRANE, MONO [(C12-14- ALKYLOXY)METHYL] DERIVS	10-30%
CAS number: 68609-97-2 EC number: 271-846-8 REACH registration number: 01-2119485289-22-XXXX	
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317	
FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL	10-30%
CAS number: 9003-36-5 EC number: 500-006-8 REACH registration number: 01-2119454392-40-XXXX	
Classification Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Aquatic Chronic 2 - H411	

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The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. It may be dangerous for first aid personnel to carry out mouth-to-mouth resuscitation. Get medical attention if symptoms are severe or persist. Place unconscious person on their side in the recovery position and ensure breathing can take place. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Ingestion	Rinse mouth thoroughly with water. Remove any dentures. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If conscious, give half a litre of water to drink immediately Stop if the affected person feels sick as vomiting may be dangerous. Do not induce vomiting unless under the direction of medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms are severe or persist. Never give anything by mouth to an unconscious person. Place unconscious person on their side in the recovery position and ensure breathing can take place. Get medical attention immediately. Maintain an open airway. Loosen tight clothing such as collar, tie or belt.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues. Wash clothing and clean shoes thoroughly before reuse.
Eye contact	Remove any contact lenses and open eyelids wide apart. Rinse immediately with plenty of water. Continue to rinse for at least 10 minutes. Get medical attention.

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

Inhalation	No known significant effects or critical hazards.
Ingestion	Irritating to mouth, throat and stomach.
Skin contact	Causes skin irritation. May cause an allergic skin reaction. Prolonged and frequent contact may cause redness and irritation.
Eye contact	Causes serious eye irritation. There may be pain and redness. The eyes may water profusely.

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

Notes for the doctor	Treat symptomatically.
Specific treatments	Not applicable.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Toxic to aquatic life with long lasting effects. Avoid the spillage or runoff entering drains, sewers or watercourses.

Hazardous combustion products Carbon dioxide (CO₂). Carbon monoxide (CO). halogenated compounds.

5.3. Advice for firefighters

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Protective actions during firefighting	Evacuate area. No action shall be taken without appropriate training or involving any personal risk. Move containers from fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
Special protective equipment for firefighters	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Evacuate area. No action shall be taken without appropriate training or involving any personal risk. Wear protective clothing as described in Section 8 of this safety data sheet. Do not touch or walk into spilled material. Avoid inhalation of vapours. Provide adequate ventilation. If ventilation is inadequate, suitable respiratory protection must be worn.
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6.2. Environmental precautions

Environmental precautions	Toxic to aquatic life with long lasting effects. Avoid the spillage or runoff entering drains, sewers or watercourses. Inform the relevant authorities if environmental pollution occurs (sewers, waterways, soil or air).
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6.3. Methods and material for containment and cleaning up

Methods for cleaning up	Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses.
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6.4. Reference to other sections

Reference to other sections	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions	Avoid spilling. Avoid contact with skin and eyes. Avoid release to the environment. May cause skin sensitisation or allergic reactions in sensitive individuals. In the event of any sensitisation symptoms developing, ensure further exposure is avoided. Keep container tightly sealed when not in use.
Advice on general occupational hygiene	Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas.

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.
Storage class	Chemical storage.

7.3. Specific end use(s)

Specific end use(s)	The identified uses for this product are detailed in Section 1.2.
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SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Ingredient comments	WEL = Workplace Exposure Limits
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4,4'-ISOPROPYLIDENEDIPHENOL, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE (CAS: 25068-38-6)

DNEL	Industry - Dermal; Short term systemic effects: 8.33 mg/kg/day
	Industry - Inhalation; Short term systemic effects: 12.25 mg/m ³
	Industry - Dermal; Long term systemic effects: 8.33 mg/kg/day
	Industry - Inhalation; Long term systemic effects: 12.25 mg/m ³
	Consumer - Dermal; Short term systemic effects: 3.571 mg/kg/day
	Consumer - Oral; Short term systemic effects: 0.75 mg/kg/day
	Consumer - Dermal; Long term systemic effects: 3.571 mg/kg/day Consumer - Oral; Long term systemic effects: 0.75 mg/kg/day
PNEC	Fresh water; 0.006 mg/l
	marine water; 0.0006 mg/l
	Intermittent release; 0.018 mg/l
	STP; 10 mg/l
	Sediment (Freshwater); 0.996 mg/l
	Sediment (Marinewater); 0.0996 mg/l Soil; 0.196 mg/kg

FORMALDEHYDE, OLIGOMERIC REACTION PRODUCTS WITH 1-CHLORO-2,3-EPOXYPROPANE AND PHENOL (CAS: 9003-36-5)

DNEL	Workers - Dermal; Long term systemic effects: 266.6 mg/kg/day
PNEC	Fresh water; 0.003 mg/l
	marine water; 0 mg/l
	STP; 10 mg/l
	Sediment (Freshwater); 0.294 mg/kg/day
	Sediment (Marinewater); 0.029 mg/kg/day Soil; 0.237 mg/kg/day

8.2. Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

If a risk assessment indicates eye contact is possible, suitable eye protection should be worn e.g. safety spectacles, safety goggles or a faceshield as appropriate. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. To protect hands from chemicals, gloves should comply with European Standard EN374. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The breakthrough time for any glove material may be different for different glove manufacturers. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

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Hygiene measures	Provide eyewash station. 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. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.
Respiratory protection	No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Light or pale yellow
Odour	Characteristic.
Flash point	>140°C
Upper/lower flammability or explosive limits	No information available.
Vapour pressure	<2 hPa @ °C
Relative density	1.10 - 1.14
Solubility(ies)	Insoluble in water.
Auto-ignition temperature	Approx 400°C
Explosive properties	Not considered to be explosive.

9.2. Other information

Other information	No additional information
Volatile organic compound	This product contains a maximum VOC content of 0 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	No test data specifically related to reactivity available for this product or its ingredients.
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10.2. Chemical stability

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

Possibility of hazardous reactions	Hazardous reactions or instability may occur under certain conditions of storage or use.
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10.4. Conditions to avoid

Conditions to avoid	No specific data.
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10.5. Incompatible materials

Materials to avoid	No specific data.
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10.6. Hazardous decomposition products

Hazardous decomposition products	Under normal conditions of use, hazardous decomposition products should not be produced.
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SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Ingestion	May cause stomach pain or vomiting.
Skin contact	May cause sensitisation by skin contact. Irritating to skin.
Eye contact	Causes serious eye irritation.

SECTION 12: Ecological information

Ecotoxicity Toxic to aquatic life with long lasting effects.

12.1. Toxicity

Toxicity No data on the mixture itself. Do not allow to enter drains or watercourses.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential Not determined. Expected to be low.

12.4. Mobility in soil

Mobility No data available.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

12.6. Other adverse effects

Other adverse effects None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information The generation of waste should be minimised or avoided wherever possible. This material and its container must be disposed of in a safe way.

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)	3082
UN No. (IMDG)	3082
UN No. (ICAO)	3082
UN No. (ADN)	3082

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER).

Proper shipping name (IMDG) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER).

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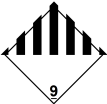
Proper shipping name (ICAO) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER).

Proper shipping name (ADN) ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN, ALIPHATIC GLYCIDYL ETHER).

14.3. Transport hazard class(es)

ADR/RID class	9
ADR/RID classification code	M6
ADR/RID label	9
IMDG class	9
ICAO class/division	9
ADN class	9

Transport labels



14.4. Packing group

ADR/RID packing group	III
IMDG packing group	III
ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant



14.6. Special precautions for user

EmS	F-A, S-F
ADR transport category	3
Emergency Action Code	•3Z
Hazard Identification Number (ADR/RID)	90
Tunnel restriction code	(E)

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

SECTION 15: Regulatory information

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

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EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
Guidance	Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Abbreviations and acronyms used in the safety data sheet	WEL: Workplace Exposure Limit. ATE: Acute Toxicity Estimate. CAS: Chemical Abstracts Service. DMEL: Derived Minimal Effect Level. DNEL: Derived No Effect Level. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Revision date	30/07/2018
Revision	4
Supersedes date	28/07/2016
SDS number	30559
Hazard statements in full	H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects.

The information in this SDS is based on the present state of our knowledge and meets the requirements of EU and national laws. The user's working conditions however, are beyond our knowledge and control. The product is not to be used for purposes other than those specified under section 1 without a written permission. It remains the responsibility of the user to ensure that the necessary steps are taken to meet the laws and regulations. Handling of the product may only be done by people above 18 years of age, who are satisfactorily informed of how to do the work, the hazardous properties and necessary safety precautions. The information given in this SDS is to describe the product only in terms of health and safety requirements and should not, therefore, be construed as guaranteeing specific properties.