Safety Data Sheet (SDS)
FORTALAC E156 HAMMER QAD PAINT

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

1.1 Product identifier
1.1.1 Commercial Product Name: FORTALAC E156 Hammer Finish Paint

1.1.2 Product Code: E156 HAMMER (AVAILABLE IN A RANGE OF COLOURS)

1.2 Relevant identified uses of the substance or mixture and uses advised against
1.2.1 Recommended use
Painting work
Thixotropic alkyd paint, primarily for industrial use. Only use as a paint, & always test its suitability.
1.3 Details of the supplier of the safety data sheet
1.3.1 Supplier

International Coatings Limited
Street: Ballycorus
Town: Kilternan
County: Dublin 18
Country: Ireland
Telephone: +353-1-2822877/2822141
Telefax: +353-1-2822653

1.3.2 Responsible for the preparation of the Safety Data Sheet:
International Coatings Limited, Product Safety, Email: healthandsafety@mcc.ie

1.4 Emergency telephone number:
1.4.1 Telephone number, name, address
Supplier as above in 1.3.1.. Call: +353-1-2822877 / +35387 2434793

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture
67/548/EEC -1999/45/EC
Risk phrases-; R11, R20/21, R22, R36/37/38, R48, R51/53, R63, R65, R67
For the full text of the R-phrases mentioned in this section, see section 16.

2.2 Label elements
67/548/EEC -1999/45/EC

Hazard symbols/Category of danger; Harmful (Xn), Irritant (Xi), Highly Flammable (F),Dangerous for the environment (N).

Harmful
Irritant

Highly
Flammable

Dangerous for
the environment

R-phrase(s)
R11 Highly Flammable
R20/21 Harmful by inhalation and in contact with the skin
R22 Harmful if swallowed
R36/37/38 Irritating to eyes respiratory system and skin
R51-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 Possible risk of harm to the unborn child
R65 Harmful: may cause lung damage if swallowed
R67 Vapours may cause drowsiness and dizziness
S-phrase(s)
S2 Keep out of reach of children
S16 Keep away from sources of ignition – No Smoking
S23 Do not breathe vapour/spray
S24/25 Avoid contact with skin and eyes
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical attention.
S29 Do not empty into drains
S33 Take precautionary measures against static discharges
S36/37 Wear suitable protective clothing and gloves
S38 In case of insufficient ventilation, wear suitable respiratory equipment
S51 Use only in well-ventilated areas.
S57 Use appropriate containment to avoid environmental contamination.

Contains:
Xylene, Toluene
Special regulations on certain preparations:
Contains ethyl methyl Ketoxime and cobalt octoate. May produce an allergic reaction.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Mixtures-Hazardous components

CAS numbers	EINECS	Chemical name of the substance	Concentration	Classification
1330-20-7	215-535-7	Xylene	0-60%	Xi; Xn; R10,R20/21,R38
96-29-7	202-496-6	Ethyl Methyl Ketoxime	<0.5%	Xn; R21,R40,R41,R43
136-52-7	205-250-6	Cobalt octoate	<0.5%	Xn; R22,R38,R43
64742-95-6	265-199-0	Solvent naphtha light	<6%	Xi; N, R10, R20, R36/37/38, R51/53, R65.
100-41-4	202-849-4	Ethylbenzene	5-10%	F, Xn; R11,R20
108-88-3	203-625-9	Toluene	1-10%	Xi; Xn; F; R11,R20,R38, R48, R63, R65, R67

3.2 Other information:

See section 16 for full text of R-phrases and H-statements

4. FIRST AID MEASURES

4.1 Description of first aid measures
In all cases of doubt, after significant exposure, or when symptoms persist, seek medical attention
4.1.2 Inhalation
Inhalation of vapour may cause irritation: Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration. Seek medical attention.
4.1.3 Skin contact
In case of irritation on prolonged or repeated contact, remove any contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser for paint. If a large area of the skin is damaged or if the irritation persists, seek medical attention.
4.4 Eye contact
Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.
4.1.5 Ingestion
If accidentally swallowed, rinse the mouth with plenty of water only if the person is conscious, and obtain immediate medical attention. Keep at rest. Do not induce vomiting.
4.2 Most important symptoms and effects, both acute and delayed.
Symptoms: No further information available.
Effects: No further information available.
4.3 Indication of immediate medical attention and special treatment needed.
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5. FIRE – FIGHTING MEASURES

5.1 Extinguishing media
5.1.1 Suitable: Apply copious amounts of foam, CO_2, Dry powder or water spray.
5.1.2 Extinguishing media which must not be used for safety reasons:
Waterjet
5.2 Special exposure hazards in a fire:
Flammable. Vapours are heavier than air and may spread along floors. Fire will produce toxic gasses of an unknown nature. Avoid breathing the smoke. Wear chemical protection suits.
5.3 Advice for fire-fighters
In the event of fire wear self-contained breathing apparatus. Wear appropriate body protection (full protective suit).

Cool closed containers exposed to fire with water. Do not allow run-off from fire fighting to enter drains or watercourses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions: Avoid breathing gas/fumes/vapour/spray. Exclude sources of ignitions. Wear appropriate PPE, gloves, boots and goggles which are solvent resistant**.** If vapours persist, use a respirator. Refer to protective measures in sections 7 and 8.
6.2 Environmental precautions: Do not allow to enter drains or water courses. Avoid subsoil penetration. Inform appropriate authority of any releases to water courses lakes drains etc.. Product is toxic to fish.
6.3 Spill cleanup methods
Contain and collect spillage with non-combustible absorbent materials, e.g. sand or vermiculite and place in a container for disposal according to local regulations. Clean preferably with a detergent; avoid the use of solvents.
Note that products containing oxidative drying oil or alkyd (linseed oil varnish, alkyd paints and lacquers) have a possibility of auto-ignition in porous material damped by the product. This kind of waste must be collected and stored safely, e.g. in water before disposal or be incinerated immediately.
6.4 Reference to other sections
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7. HANDLING AND STORAGE

7.1 Precautions for safe handling.
Vapours are heavier than air and may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. The product should only be used in areas from which all naked lights and other sources if ignitions have been excluded. Isolate from sources of heat, sparks and open flame. The mixture may charge electrostatically: always use earth leads when transferring from one container to another. Non sparking tools should be used. Good ventilation must be provided. Handle in accordance with good industrial hygiene and safety practice.
Avoid skin and eye contact. Avoid inhalation of vapour and spray mist. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in the application area.
Risk of self ignition! Materials such as cleaning rags and paper wipes, which have been contaminated with this product, sanding dust or overspray containing the product, may spontaneously self-ignite some time later. To avoid the risk of fires, all contaminated materials should be placed in a container soaked with water or laid out flat in a single layer to dry preferably outdoors or incinerated immediately if permitted. Contaminated materials should be removed from the workplace at the end of each working day
7.2 Conditions for safe storage, including any incompatibilities.
Keep product in original containers tightly closed. Store in a cool, dry, well ventilated place away from sources of ignition, heat the direct sunlight. Do not leave drums open. No smoking. Incompatible with oxidising agents.

8. EXPOSURE CONTROL/PERSONAL PROTECTION

CAS numbers	Chemical name of the substance	STD	TWA (8HRS)	STEL EXP (15 MINS)
1330-20-7	Xylene	EU ELV	50ppm/221mg/m3	100ppm/442mg/m3
108-88-3	TOLUENE	EU ELV	50ppm/192mg/m3	100ppm/384mg/m3

8.1 Control parameters
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8.2 Exposure controls
8.2.1 Appropriate engineering controls
Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below OEL, suitable respiratory protection must be worn.

8.2.2 Individual protection measures.

8.2.2.1 Respiratory protection
Use appropriate certified respirators, with gas and vapour filter A, during sanding with dust filter P2, if ventilation is insufficient. During spray-application use respirators with gas, vapour and dust filter A/P3. During continuous and long-term work the use of air-fed or motor-driven respirators is recommended. During continuous and long-term work the use of motor-driven or air-fed respirators is recommended.
8.2.2.2 Hand protection
Always wear protective gloves (e.g. Nitrile rubber or neoprene). Barrier creams may also help to protect the exposed areas of the skin, however, they should not be applied once exposure has occurred. Always wash thoroughly after handling this product. Gloves should be replaced regularly. The instructions & information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Recommended protective glove types are:
Nitrile rubber (breakthrough time > 480mins)
Laminated foil (breakthrough time > 480mins)
8.2.2.3 Eye protection.
Safety eyewear must be used during application to protect against splashes of liquids.
8.3 Skin and body protection
Protective clothing must be used during application. When necessary, wear anti-static protective clothing made of natural fibre or high temperature resistant synthetic fibre.

8.4 Environmental exposure controls

General advice: Do not flush into surface water or sanitary water/sewer systems. Avoid subsoil penetration. Local authorities should be informed if significant spillage cannot be contained. If the product contaminates rivers and lakes or drains inform the appropriate authorities.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important Health & Safety & Environmental Information
9.1.1 Appearance: **Viscous liquid- Coloured or clear, strong odour.**
9.1.6 Initial boiling point and boiling range: (110-111°C *)
9.1.7 Flash Point °C: >4°C *)
9.1.10 Explosive properties
9.1.10.1 Lower Explosion limit: 0.6% - vol-% *)
9.1.10.2 Upper explosion limit: 7% vol-% *)
9.1.11 Vapour pressure: 29hPa (20°C) *)
9.1.13 Relative density: .9-1.2
9.1.14 Water solubility: insoluble
9.1.15 Viscosity: Flow time >30secs/ISO 3mm cup
9.3 Further information: Evaporation rate (Di Ethyl Ether=10): 54-130: Evaporation rate (BuAc=1):0.75 *)
***) = Toluene**

10. STABILITY AND REACTIVITY

10.1 Reactivity
See section 10.5
10.2 Chemical stability
Stable under recommended storage and handling conditions
10.3 Possibility of hazardous reactions
See section 10.5
10.4 Conditions to avoid:
In confined or poorly ventilated spaces, solvent vapours may form explosive mixtures with air.
When exposed to high temperatures may produce hazardous decomposition products.
10.5 Incompatible materials:
Keep away from oxidizing agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions
10.6 Hazardous decomposition products
Hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen etc. may produce when exposed to high temperatures.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects
There are no toxicological test data reports available on the product itself.

11.1.3 Sensitisation
Contains methyl ethyl ketoxime & cobalt octoate. May produce an allergic reaction.

11.1.8 Other information on acute toxicity
Inhalation: Long term exposure to component solvent vapours concentration in excess of occupational exposure limits may result in adverse health effect such as mucous membrane and respiratory system irritation and adverse effect on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Skin contact: Repeated or prolonged contact with the preparation may cause removal of the natural fat from the skin resulting in contacting dermatitis. Splashes in the eyes may cause irritation and reversible damage.

Ingestion: Ingestion may cause gastrointestinal pain, nausea, diarrhoea and vomiting.

12. ECOLOGICAL INFORMATION

12.1 Toxicity
12.1.1 Aquatic toxicity
Solvent naphtha, light aromatic: LC50= 1-10mg/l, fish, crustaceans, algae (estimate); toxic.
Xylene: LC50 96 hrs, 2.6ml/l, fish.
Toluene: LC50 96 hrs, 24mg/l, fish.

12.2 Persistence and degradability:

12.2.1 Biodegradation
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12.3 Bioaccumulative potential: Bioaccumulation is not expected.
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12.4 Mobility in soil
-
12.5 Results of PBT and vPvB assessment
-
12.6 Other adverse effects
There is no ecotoxicological data available on the preparation itself. The product should not be allowed to enter drains or water courses.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods
Product residues
Gather residues into waste containers. Dispose of via an authorised/licensed waste disposal contractor to an approved waste disposal site according to the rules given by local and national authorities. EWC-code for liquid waste is e.g. 08 01 11 (waste paint and varnish containing organic solvents or other dangerous substances).
Packaging waste
Empty cans should be completely purged and be recycled or disposed of in accordance with local and national regulations.

14. TRANSPORT INFORMATION

14.1	**UN no. road:**	**1263**
14.2	**UN proper shipping name**	**PAINT**
14.3	**Transport hazard class(es)**	**3**
14.4	**Packing group**	**111**
	Tunnel code	**(D/E)**

14.5 Environmental hazards: Marine pollutant - classified as environmentally hazardous.
14.6 Special precautions for users
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14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code
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14.8 Further information
Road transport:
Drums/vessels<450litres are not subject to ADR because of viscosity
Sea transport:
Drums/vessels<30litres: Transport in accordance with paragraph 2.3.2.5 of the IMDG Code.

15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulation/legislation specific for the substance or mixture.
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15.2 Chemical safety assessment.
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16. OTHER INFORMATION

16.5 The full text of R-phrases and /or Hazard statements (H statements) referred to under sections 2 & 3 are as follows:
Letter code of the warning symbol and indications of danger for the preparation:
Xn Harmful: N Dangerous for the Environment: Xi Irritant: F Highly Flammable.
R10 – Flammable.
R11 – Highly flammable.
R20/21 – Harmful by inhalation and in contact with skin.
R22 – Harmful if swallowed.
R36/37/38 – Irritating to eyes, respiratory system and skin.
R48 – Danger of serious damage to health.
R51/53 – Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R63 – Possible risk of harm to the unborn child.
R65 - Harmful: may cause lung damage if swallowed.
R67 – Vapours may cause drowsiness or dizziness.

Recommended uses and restriction: This product is designed as paint for application to a substrate.

The data contained in this Safety Data Sheet has been prepared in accordance with Annex II (EU) No 453/2010 to Regulation (EC) No 1907/2006 (REACH)
The information contained in this Safety Data Sheet is based on the present state of knowledge and current EU and national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for any particular applications.

For additional information contact:

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The information contained in this safety data sheet does not constitute an assessment of workplace risks. The information contained in this Safety Data Sheet does not constitute a hazard assessment, and should not be used in place of the user's own assessment of workplace of workplace risks as required by other health and safety legislation.

Our data and suggestions are based on information which we believe to be reliable. Users should verify by tests that our product, as well as suggested methods, is suitable with the product/materials being used in their application. Since specific use, materials and handling are not controlled by us, our warranty is limited to the replacement of any defective product supplied by us. Further technical support is available from our trained sales staff.