SAFETY DATA SHEET
HI-DUR AD100 FINISH (Lead-Free Colours)

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

1.1. Product identifier

Product name HI-DUR AD100 FINISH (Lead-Free Colours)

Product number SD_LF

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

Identified uses PC 9a: Coatings and paints, thinners, paint removers.

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).

National emergency telephone number Republic of Ireland: National Poison Information Centre (Ireland) Tel: 01 809 2566 (8am to 10pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

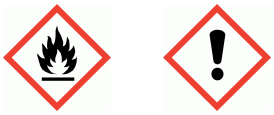
Physical hazards Flam. Liq. 3 - H226

Health hazards Acute Tox. 4 - H332 Skin Irrit. 2 - H315

Environmental hazards Not Classified

2.2. Label elements

Hazard pictograms



Signal word Warning

Hazard statements EUH208 Contains METHYL ETHYL KETOXIME, COBALT BIS(2-ETHYLHEXANOATE). May produce an allergic reaction.
H226 Flammable liquid and vapour.
H332 Harmful if inhaled.
H315 Causes skin irritation.

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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. 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. P403+P235 Store in a well-ventilated place. Keep cool. P501 Dispose of contents/ container in accordance with national regulations.
Contains	XYLENE
Supplementary precautionary statements	P264 Wash contaminated skin thoroughly after handling. P332+P313 If skin irritation occurs: Get medical advice/ attention. P362+P364 Take off contaminated clothing and wash it before reuse. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.

Other information

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

XYLENE **30-60%**

CAS number: 1330-20-7 EC number: 215-535-7 REACH registration number: 01-2119488216-32-0000

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Asp. Tox. 1 - H304	R10 Xn;R20/21 Xi;R38

ETHYLBENZENE **5-10%**

CAS number: 100-41-4 EC number: 202-849-4 REACH registration number: 01-2119489370-35-0000

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 2 - H225 Acute Tox. 4 - H332 STOT RE 2 - H373 Asp. Tox. 1 - H304	F;R11 Xn;R20

2-METHOXY-1-METHYLETHYL ACETATE **1-5%**

CAS number: 108-65-6 EC number: 203-603-9 REACH registration number: 01-2119475791-29-0000

Classification	Classification (67/548/EEC or 1999/45/EC)
Flam. Liq. 3 - H226 STOT SE 3 - H336	R10, R67

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METHYL ETHYL KETOXIME **<1%**

CAS number: 96-29-7 EC number: 202-496-6 REACH registration number: 01-2119539477-28-0000

Classification
Acute Tox. 4 - H312
Eye Dam. 1 - H318
Skin Sens. 1 - H317
Carc. 2 - H351

Classification (67/548/EEC or 1999/45/EC)
Carc. Cat. 3;R40 Xn;R21 R43 Xi;R41

COBALT BIS(2-ETHYLHEXANOATE) **<1%**

CAS number: 136-52-7 EC number: 205-250-6 REACH registration number: 01-2119524678-29-0000

M factor (Acute) = 1

Classification
Eye Irrit. 2 - H319
Skin Sens. 1A - H317
Repr. 1B - H360F
Aquatic Acute 1 - H400
Aquatic Chronic 3 - H412

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

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

Inhalation Place unconscious person on their side in the recovery position and ensure breathing can take place. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention if any discomfort continues.

Ingestion Rinse mouth thoroughly with water. Give plenty of water to drink. Give milk instead of water if readily available. Keep affected person under observation. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention immediately. Show this Safety Data Sheet to the medical personnel.

Skin contact Immediately remove contaminated clothing. Rinse immediately with plenty of water.

Eye contact Rinse with water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention promptly if symptoms occur after washing.

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

General information No data available on the mixture itself.

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

Notes for the doctor Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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Suitable extinguishing media Extinguish with the following media: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

Specific hazards The product is flammable. Heating may generate flammable vapours.

5.3. Advice for firefighters

Protective actions during firefighting 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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

For non-emergency personnel Keep unnecessary and unprotected personnel away from the area.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Keep combustible materials away from spillage. Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Keep away from heat, sparks and open flame. 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.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from oxidising materials, heat and flames. Store in tightly-closed, original container in a dry, cool and well-ventilated place. Avoid contact with oxidising agents.

Storage class Flammable liquid storage.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters

Occupational exposure limits

XYLENE

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Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 220 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 441 mg/m3(Sk)
Occupational Exposure Limits (Ireland):
Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 50 ppm 221 mg/m³
Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 100 ppm 442 mg/m3

ETHYLBENZENE

Long-term exposure limit (8-hour TWA): WEL 100 ppm 441 mg/m³
Short-term exposure limit (15-minute): WEL 125 ppm 552 mg/m³
Sk
Occupational Exposure Limits (Ireland):
Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 100 ppm 442 mg/m³
Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 200 ppm 884 mg/m³

2-METHOXY-1-METHYLETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 50 ppm(Sk) 274 mg/m3(Sk)
Short-term exposure limit (15-minute): WEL 100 ppm(Sk) 548 mg/m3(Sk)
Occupational Exposure Limits (Ireland):
Long-term exposure limit (8-hour TWA): NAOSH (Ireland) OELV 8 hours; 50 ppm 275 mg/m³
Short-term exposure limit (15-minute): NAOSH (Ireland) OELV-15 min 100 ppm 550 mg/m3
WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

HYDROCARBONS, C9, AROMATICS (CAS: 64742-95-6)

DNEL
Workers - Dermal; Long term systemic effects: 25 mg/kg bw/day
Workers - Oral; Long term systemic effects: 150 mg/m³
Consumer - Dermal; Long term systemic effects: 11 mg/kg bw/day
Consumer - Inhalation; Long term : 32 mg/m³

METHYL ETHYL KETOXIME (CAS: 96-29-7)

DNEL
Workers - Dermal; Short term systemic effects: 2.5 mg/kg/day
Workers - Dermal; Long term systemic effects: 1.3 mg/kg/day
Workers - Inhalation; Long term systemic effects: 9 mg/m³
Workers - Inhalation; Long term local effects: 3.33 mg/m³
Consumer - Dermal; Short term systemic effects: 1.5 mg/kg/day
Consumer - Dermal; Long term systemic effects: 0.78 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 2.7 mg/m³
Consumer - Inhalation; Long term local effects: 2 mg/m³

8.2. Exposure controls

Protective equipment

Appropriate engineering controls Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients. All handling should only take place in well-ventilated areas.

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.

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Hand protection	Wear protective gloves. To protect hands from chemicals, gloves should comply with European Standard EN374. Gloves made from the following material may provide suitable chemical protection: Nitrile rubber; thickness 0.35mm minimum. Butyl Rubber; thickness 0.5mm minimum. Fluorinated rubber (Viton); thickness 0.4mm minimum. 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. Glove thickness is not necessarily a good measure of glove resistance as the permeation rate will depend on the exact glove composition. 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.
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	If ventilation is inadequate, suitable respiratory protection must be worn. Wear a respirator fitted with the following cartridge: Combination filter, type A2/P3. Check that the respirator fits tightly and the filter is changed regularly.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	Liquid.
Colour	Various colours.
Odour	Characteristic.
Initial boiling point and range	137°C
Flash point	24°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 0.7% Upper flammable/explosive limit: 7%
Vapour pressure	Not available.
Relative density	0.98 - 1.20
Solubility(ies)	Immiscible with water.
Partition coefficient	Not available.

9.2. Other information

Other information	No additional information
Volatile organic compound	This product contains a maximum VOC content of 525 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	See the other subsections of this section for further details.

10.2. Chemical stability

Stability	Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

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Possibility of hazardous reactions Under normal conditions of storage and use, no hazardous reactions will occur.

10.4. Conditions to avoid

Conditions to avoid Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials to avoid Acids. Strong oxidising agents.

10.6. Hazardous decomposition products

Hazardous decomposition products Toxic gases/vapours/fumes of: Carbon dioxide (CO2). Carbon monoxide (CO).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 2,651.11

Acute toxicity - inhalation

ATE inhalation (gases ppm) 9,218.62

ATE inhalation (vapours mg/l) 22.53

ATE inhalation (dusts/mists mg/l) 3.07

General information Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Inhalation Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing. Harmful by inhalation.

Ingestion Gastrointestinal symptoms, including upset stomach.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema. Irritating to skin. Harmful in contact with skin.

Eye contact Irritating to eyes. Symptoms following overexposure may include the following: Redness. Pain.

SECTION 12: Ecological information

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity No data on the mixture itself.

12.2. Persistence and degradability

Persistence and degradability No data available.

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient Not available.

12.4. Mobility in soil

Mobility No data available.

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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 Waste should be treated as controlled waste. Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Absorb in vermiculite, dry sand or earth and place into containers. Dispose of waste via a licensed waste disposal contractor.

SECTION 14: Transport information

14.1. UN number

UN No. (ADR/RID) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

UN No. (ADN) 1263

14.2. UN proper shipping name

Proper shipping name (ADR/RID) PAINT

Proper shipping name (IMDG) PAINT

Proper shipping name (ICAO) PAINT

Proper shipping name (ADN) PAINT

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID classification code F1

ADR/RID label 3

IMDG class 3

ICAO class/division 3

ADN class 3

Transport labels

14.4. Packing group

ADR/RID packing group III

IMDG packing group III

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ICAO packing group	III
ADN packing group	III

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

EmS	F-E, S-E
ADR transport category	3
Emergency Action Code	•3Y
Hazard Identification Number (ADR/RID)	30
Tunnel restriction code	(D/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

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. 2018 Code of Practice for the Chemical Agents Regulations (HSA Ireland)

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. OELV: Occupational Exposure Limit Value. PNEC: Predicted No Effect Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Revision date	18/04/2019
Revision	4
Supersedes date	11/06/2018
SDS number	31856

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Risk phrases in full

R10 Flammable.
R11 Highly flammable.
R20 Harmful by inhalation.
R20/21 Harmful by inhalation and in contact with skin.
R21 Harmful in contact with skin.
R22 Harmful if swallowed.
R38 Irritating to skin.
R40 Limited evidence of a carcinogenic effect.
R41 Risk of serious damage to eyes.
R43 May cause sensitisation by skin contact.
R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Hazard statements in full

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H336 May cause drowsiness or dizziness.
H351 Suspected of causing cancer.
H360F May damage fertility.
H373 May cause damage to organs (Hearing organs) through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H412 Harmful to aquatic life with long lasting effects.
EUH208 Contains METHYL ETHYL KETOXIME, COBALT BIS(2-ETHYLHEXANOATE). May produce an allergic reaction.

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.