

ULTRIMAX ELECTROSTATIC PAINT ADDITIVE

HEALTH AND SAFETY DATA SHEET

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878

Issue Date: 13/04/2017

Version: 1

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

1.1. Product identifier

Mixture identification:

Trade name: Ultrimax Electrostatic Paint Additive - 5L

Trade code: PSS777

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

Recommended use:

- Additive for paints
- IS - Industrial uses
- PW - Professional uses

1.3. Details of the supplier of the safety data sheet

Company:

Ultrimax Coatings Ltd

Shaw Lane Industrial Estate, Ogden Road, Doncaster, DN2 4SE

01302 856666

1.4. Emergency telephone number

01302 856666

2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Flam. Liq. 2 - H225

Asp Tox. 1, H304. Acute Tox. 4, H332. Skin Irrit. 2, H315. Eye Irrit. 2, H319

The Full Text for all Hazard Statements are Displayed in Section 16.

2.2. Label elements

Label In Accordance With (EC) No. 1272/2008



Signal Word: DANGER

Hazard statements:

H226 Flammable liquid and vapour.

H315 Causes skin irritation

H319+EUH066 Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

H332 Harmful if inhaled

H336 May cause drowsiness or dizziness.

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Precautionary statements:

P210 Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P243 Take precautionary measures against static discharge.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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.

P403+P235 Store in a well-ventilated place. Keep cool.

Other hazards:

Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical characteriSation: Substances

Substance	CAS and EC number	Classification (EC 1272/2008)
4-Hydroxy-4-methylpentan-2-one	CAS 123-42-2 EC 204-626-7	Flamm liq.3 H319

4. FIRST AID MEASURES

4.1. Description of first aid measures

General information

Remove victim immediately from source of exposure. Provide fresh air, warmth and rest, preferably in comfortable upright sitting position. Perform artificial respiration if breathing has stopped. Do not give victim anything to drink if they are unconscious. Place unconscious person on the side in the recovery position and ensure breathing can take place.

Eye contact

Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

Inhalation

Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

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Skin contact

Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. If necessary, Wash with plenty of soap and water.

Ingestion

Immediately rinse mouth and provide fresh air. DO NOT induce vomiting. Get medical attention immediately.

4.2 Most important symptoms and effects, both acute and delayed

Potential acute health effects

Inhalation: Harmful if inhaled. May cause respiratory irritation.

Ingestion: May be fatal if swallowed and enters airways. Irritating to mouth, throat and stomach.

Skin contact: Harmful in contact with skin. Causes skin irritation.

Eye contact: Causes serious eye irritation

Over-exposure signs/symptoms

Inhalation Lung oedema. Central nervous system depression. Vapours may cause drowsiness and dizziness. Nausea, vomiting. Headache and unconsciousness.

Eye contact: Adverse symptoms may include the following: pain or irritation / watering / redness

Skin contact: symptoms may include the following : irritation and/or redness

Ingestion: Adverse symptoms may include the following: nausea or vomiting

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment

5. FIREFIGHTING MEASURES

5.1. Extinguishing media

Suitable: In case of fire, use water spray, foam, dry chemical or CO₂.

Not suitable: Do not use water jet as this may spread the fire.

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5.2. Special hazards arising from the substance or mixture

Hazards from the substance or mixture

Flammable liquid and vapour. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. The vapour/gas is heavier than air and will spread along the ground. Vapours may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Hazardous thermal decomposition products

Decomposition products may include the following materials: carbon dioxide and carbon monoxide

Special protective actions for fire-fighters

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode. Clothing for fire-fighters (including helmets, protective boots and gloves)

conforming to European standard EN 469 will provide a basic level of protection for chemical incidents.

Fire-fighting measures : Self-contained breathing apparatus.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures for non-emergency personnel

For emergency responders:

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilt material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

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6.2 Environmental precautions

Do not discharge onto the ground or into water courses. Prevent entry into drains. Contain spillages with sand, earth or any suitable adsorbent material.

6.3. Methods and material for containment and cleaning up

If leakage cannot be stopped, evacuate area. Clean-up personnel should use respiratory and/or liquid contact protection. Wash thoroughly after dealing with a spillage. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Runoff or release to sewer, waterway or ground is forbidden. Inform Authorities if large amounts are involved. Absorb with sand or other inert absorbent.

6.4 Reference to other sections

Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: HANDLING AND STORAGE

The information in this section contains generic advice and guidance. The list of Identified Uses in Section 1 should be consulted for any available use-specific information provided in the Exposure Scenario(s).

7.1. Precautions for safe handling

Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Static electricity and formation of sparks must be prevented. Storage tanks and other containers must be grounded. Protect electric equipment against sparking in case of risk of explosion. Wear full protective clothing for prolonged exposure and/or high concentrations. Do not eat, drink or smoke when using the product. Avoid inhalation of vapours/spray and contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Ground container and transfer equipment to eliminate static electric sparks. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep away from heat, sparks and open flame. Suitable containers: mild steel, stainless steel. Aluminium. Do NOT use container made of: copper. May attack some plastics, rubber and coatings. Storage Class Flammable liquid storage.

7.3. Specific end use(s)

Usage Description : Pump at < 7 metres per second. Take precautionary measures against static discharges.

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Advice on general occupational hygiene:

Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	STD	TWA - 8 Hrs	STEL- 15 Mins	Notes
Methyl Ethyl Ketone	WEL	Long-term value: 600 mg/m ³ , 200 ppm	Short-term value: 899 mg/m ³ , 300 ppm	Sk
Xylene	WEL	Long-term value: 50 mg/m ³ , 220 ppm	Short-term value: 441 mg/m ³ , 100 ppm	Sk
4-Hydroxy-4-methylpentan-2-one	WEL	Long-term value: 241 mg/m ³ , 50ppm	Short-term value: 362 mg/m ³ , 75 ppm	Sk

Ingredient Comments

WEL = Workplace Exposure Limits

8.2. Exposure controls

Protective equipment



Process conditions

Use engineering controls to reduce air contamination to permissible exposure level. Provide eyewash, quick drench.

Engineering measures

Provide adequate ventilation, including appropriate local extraction, to ensure that the defined occupational exposure limit is not exceeded. Must not be handled in confined space without sufficient ventilation. Explosion-proof general and local exhaust ventilation.

Respiratory equipment

If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Chemical respirator with organic vapour cartridge. Check that mask fits tight and change filter regularly.

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Hand protection

Protective gloves must be used if there is a risk of direct contact or splash. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of: Butyl rubber. Nitrile. Polyvinyl chloride (PVC).

Manufactured/tested in accordance with EN 374.

Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection

Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield. Manufactured/Tested in accordance with EN 166.

Other Protection

Use barrier creams to prevent skin contact. Provide eyewash station and safety shower. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes wet or contaminated. Eating, smoking and water fountains prohibited in immediate work area. DO NOT SMOKE IN WORK AREA!

Environmental Exposure Controls

Avoid release to the environment. If possible use in closed systems.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance: Liquid

Colour: Colourless.

Odour: Petroleum. Solvent.

Initial boiling point and boiling range 100 - 125

Relative density 0.720 - 0.735 15

Vapour pressure <40 hPa 20

Evaporation rate 6 (EtEt=1)

Viscosity 0.7 m²/s 25

Flash point -11 (°C)

Auto Ignition Temperature (°C) >230

Flammability Limit - Lower(%) 0.9

Flammability Limit - Upper(%) 8.0

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9.2. Other information

10. STABILITY AND REACTIVITY

10.1. Reactivity

The product may form explosive vapours/air mixtures even at normal room temperatures.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use.

10.3. Possibility of hazardous reactions

Vapours may form explosive mixture with air.

Hazardous Polymerisation - Will not polymerise.

10.4. Conditions to avoid

Avoid heat, flames and other sources of ignition.

10.5. Incompatible materials

Materials To Avoid :Strong oxidising substances. Strong reducing agents. Strong acids.

10.6. Hazardous decomposition products

None under normal conditions.

11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity:

LD/LC50 values relevant for classification:

Oral LD50 3300 mg/kg (rat)

Dermal LD50 5000 mg/kg (rabbit)

Primary irritant effect: No irritant effect.

on the skin: Prolonged contact may result in skin irritation.

on the eye: Irritating effect.

Sensitization: No sensitizing effects known.

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General information

Prolonged and repeated contact with solvents over a long period may lead to permanent health problems. Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

Inhalation

Irritating to respiratory system. Vapours have a narcotic effect and may cause headache, fatigue, dizziness and nausea.

Ingestion

Gastrointestinal symptoms, including upset stomach. Nausea, vomiting. Diarrhoea. Risk of severe pulmonary problems in case of accidental aspiration

Skin contact

May cause defatting of the skin, but is not an irritant. Repeated exposure may cause skin dryness or cracking. Not a skin sensitiser.

Eye contact

Irritating and may cause redness and pain.

Health Warnings

Prolonged or repeated contact leads to drying of skin. Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.

Route of entry

Inhalation. Skin and/or eye contact.

Target Organs

Brain Respiratory system, lungs Mucous membranes

Specific effects

Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain

12. TOXICOLOGICAL INFORMATION

12.1. Toxicity

Aquatic toxicity: No further relevant information available.

Additional ecological information:

General notes:

Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

12.2. Persistence and degradability

Degradability

Readily biodegradable.

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12.3. Bioaccumulative potential

Substance is a UVCB. Standard tests for this endpoint are not appropriate.

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

Not Classified as PBT/vPvB by current EU criteria.

12.6. Other adverse effects

Not available.

SECTION 13: DISPOSAL CONSIDERATIONS

General information

Do not puncture or incinerate even when empty. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

13.1. Waste treatment methods

Dispose of waste and residues in accordance with local authority requirements. Confirm disposal procedures with environmental engineer and local regulations.

Waste Class

Hazardous Waste

SECTION 14: TRANSPORT INFORMATION

14.1. UN number

UN No. (ADR/RID/ADN) 1263

UN No. (IMDG) 1263

UN No. (ICAO) 1263

14.2. UN proper shipping name

Proper Shipping Name : HYDROCARBONS, LIQUID, N.O.S.

14.3. Transport hazard class(es)

ADR/RID/ADN Class 3

ADR/RID/ADN Class Class 3: Flammable liquids.

ADR Label No. 3

IMDG Class 3

ICAO Class/Division 3

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Transport Labels



14.4. Packing group

ADR/RID/ADN 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 F-E, S-D

Emergency Action Code 3YE

Hazard No. (ADR) 33 Highly flammable liquid (flash-point below 23°C).

Tunnel Restriction Code (D/E)

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

SECTION 15: REGULATORY INFORMATION

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

Statutory Instruments

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Control of Substances Hazardous to Health.

Guidance Notes

Workplace Exposure Limits EH40. Approved Classification and Labelling Guide (CHIP 4) ECHA Guidance on the Compilation of SafetyData Sheets, September 2011.

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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission

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Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. 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, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments. Regulation (EU) 453/2010.

SECTION 16: OTHER INFORMATION

General information

This datasheet is not intended to be a replacement for a full risk assessment, these should always be carried out by competent persons.

Under REACH Material Safety Datasheets (MSDS) are referred to as Safety Datasheets (SDS).

Information Sources

Raw material safety data sheets. ECHA website. Health Protection Agency Information. Information in sections 8, 11 and 12 has been taken from the ECHA website - toxicological and ecotoxicological information.

Hazard Statements In Full

H225 Highly flammable liquid and vapour.

H315 Causes skin irritation

H319+EUH066 Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

H332 Harmful if inhaled

H336 May cause drowsiness or dizziness.

Disclaimer

This 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. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy themselves as to the suitability of such information for his own particular use.