CRAFTCOAT

SAFETY DATA SHEET

Craftcoat Sublimation UV Protection Coating – 500ml

SKU: CC-UV-L676-500 | Safety data reference: L676 | Source safety information dated 08/02/2024

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

1.1. Product identifier

Product name: Craftcoat Sublimation UV Protection Coating

Product code: CC-UV-L676-500 (L676)

Container size: 500ml

1.2. Relevant identified uses and uses advised against

Identified use: UV protection coating / paint-related material. No specific uses advised against are identified in the source safety information.

1.3. Details of supplier of the safety data sheet

Express Global Products Ltd, trading as Craftcoat

11 Mortimer Road, Cubley, S36 6DE, United Kingdom

Telephone: 07595 220933 Email: info@craftcoat.co.uk

1.4. Emergency telephone number

Contact: 07595 220933 (business contact; 24-hour availability not confirmed). In an emergency, contact appropriate local emergency or medical services.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture Classification (SI 2019 No. 720) Physical hazards Flam. Liq. 2 - H225

Health hazards | Eye Irrit. 2 - H319 STOT SE 3 - H336

Environmental hazards | Not Classified

2.2. Label elements

Hazard pictograms: Flame (GHS02); Exclamation mark (GHS07) - check label classification before publication.

Signal word | Danger

Hazard statements | H225 Highly flammable liquid and vapour. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Precautionary statements | P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 Avoid breathing vapour/ spray. P271 Use only outdoors or in a well-ventilated area. P280 Wear protective gloves/ protective clothing/ eye protection/ face protection. P284 [In case of inadequate ventilation] wear respiratory 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. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P337+P313 If eye irritation persists: Get medical advice/ attention. P342+P311 If experiencing respiratory symptoms: Call a POISON CENTER/ doctor. P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish. P403+P233 Store in a well-ventilated place. Keep container tightly closed. P403+P235 Store in a well-ventilated place. Keep cool. P405 Store locked up. P501 Dispose of contents/ container in accordance with national regulations.

Contains | acetone, n-butyl acetate

2.3. Other hazards This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Acrylic Polymer | 30-60% CAS number: –

Classification Eye Irrit. 2 - H319 Resp. Sens. 1B - H334

ethanol | 10-30% CAS number: 64-17-5 | EC number: 200-578-6

Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319

acetone | 10-30% CAS number: 67-64-1 | EC number: 200-662-2

Classification Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 - H336

n-butyl acetate | 10-30% CAS number: 123-86-4 | EC number: 204-658-1

Classification Flam. Liq. 3 - H226 STOT SE 3 - H336

2-methoxy-1-methylethyl acetate | 5-10% CAS number: 108-65-6 | EC number: 203-603-9

Classification Flam. Liq. 3 - H226

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

SECTION 4: First aid measures

4.1. Description of first aid measures General information Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.

Inhalation | Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Maintain an open airway. Loosen tight clothing such as collar, tie or belt. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. Get medical attention. Place unconscious person on their side in the recovery position and ensure breathing can take place. In the event of any sensitisation symptoms developing, ensure further exposure is avoided.

Ingestion | Rinse mouth thoroughly with water. Give a few small glasses of water or milk to drink. Stop if the affected person feels sick as vomiting may be dangerous. 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. Keep affected person under observation. Get medical attention if symptoms are severe or persist.

Skin contact | Rinse with water.

Eye contact | Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.

Protection of first aiders | First aid personnel should wear appropriate protective equipment during any rescue.

4.2. Most important symptoms and effects, both acute and delayed General information The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation | May cause sensitisation or allergic reactions in sensitive individuals. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

Ingestion | No specific symptoms known.

Skin contact | No specific symptoms known.

Eye contact | Irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed Notes for the doctor Treat symptomatically. May cause sensitisation or allergic reactions in sensitive individuals.

SECTION 5: Firefighting measures

5.1. Extinguishing media Suitable extinguishing media The product is flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.

Unsuitable extinguishing | Do not use water jet as an extinguisher, as this will spread the fire. media

5.2. Special hazards arising from the substance or mixture Specific hazards Containers can burst violently or explode when heated, due to excessive pressure build-up. Flammable liquid and vapour. Vapours may be ignited by a spark, a hot surface or an ember. Vapours may form explosive mixtures with air. Fire-water run-off in sewers may create fire or explosion hazard.

Hazardous combustion | Thermal decomposition or combustion products may include the following substances: products | Harmful gases or vapours.

5.3. Advice for firefighters Protective actions during Avoid breathing fire gases or vapours. Evacuate area. Keep upwind to avoid inhalation of firefighting gases, vapours, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapours and protect men stopping the leak. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.

Special protective equipment | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective for firefighters | clothing. Firefighter's clothing 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 Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Do not touch or walk into spilled material. Evacuate area. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Promptly remove any clothing that becomes contaminated. Avoid inhalation of vapours and spray/mists. Use suitable respiratory protection if ventilation is inadequate.

6.2. Environmental precautions Environmental precautions Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up Methods for cleaning up Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Eliminate all ignition sources if safe to do so. No smoking, sparks, flames or other sources of ignition near spillage. Do not allow material to enter confined spaces, due to the risk of explosion. Absorb small quantities with paper towels and evaporate in a safe place. Once evaporation is complete, place paper in a suitable waste disposal container and seal securely. Large Spillages: If the product is soluble in water, dilute the spillage with water and mop it up. Alternatively, or if it is not water-soluble, absorb the spillage with an inert, dry material and place it in a suitable waste disposal container. The contaminated absorbent may pose the same hazard as the spilled material. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. For waste disposal, see Section 13.

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.

SECTION 7: Handling and storage

7.1. Precautions for safe handling Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimise spills. Keep container tightly sealed when not in use. Avoid the formation of mists. The product is flammable. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.

Advice on general | Wash promptly if skin becomes contaminated. Take off contaminated clothing. Wash occupational hygiene | contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities Storage precautions Store away from incompatible materials (see Section 10). Store locked up. Keep away from oxidising materials, heat and flames. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.

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 ethanol Long-term exposure limit (8-hour TWA): WEL 1000 ppm 1920 mg/m³ acetone Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³ Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³ n-butyl acetate Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³ Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³ 2-methoxy-1-methylethyl acetate Long-term exposure limit (8-hour TWA): WEL 50 ppm 274 mg/m³ Short-term exposure limit (15-minute): WEL 100 ppm 548 mg/m³ Sk WEL = Workplace Exposure Limit. Sk = Can be absorbed through the skin.

8.2. Exposure controls

Protective equipment

Appropriate engineering | Provide adequate general and local exhaust ventilation. Ensure the ventilation system is controls | regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection | Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full- face respirator may be required instead.

Hand protection | No specific hand protection recommended.

Other skin and body | Wear appropriate clothing to prevent repeated or prolonged skin contact. protection

Hygiene measures | Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.

Respiratory protection | Ensure all respiratory protective equipment is suitable for its intended use and is ‘UKCA’-marked. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges suitable for intended use should be used. Full face mask respirators with replaceable filter cartridges suitable for intended use should be used. Half mask and quarter mask respirators with replaceable filter cartridges suitable for intended use should be used.

Environmental exposure | Keep container tightly sealed when not in use. Emissions from ventilation or work process controls | equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties Appearance Liquid.

Colour | Colourless.

Odour | Characteristic.

Melting point | No information available.

Initial boiling point and range | No information available.

Flash point | 16°C

Evaporation rate | No information available.

Viscosity | 34 s @ 20°C

9.2. Other information 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 and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions Possibility of hazardous The following materials may react strongly with the product: Oxidising agents. reactions

10.4. Conditions to avoid

Conditions to avoid | Avoid heat, flames and other sources of ignition. Containers can burst violently or explode when heated, due to excessive pressure build-up. Static electricity and formation of sparks must be prevented.

10.5. Incompatible materials Materials to avoid Oxidising materials. Acids - oxidising.

10.6. Hazardous decomposition products Hazardous decomposition Does not decompose when used and stored as recommended. Thermal decomposition or products combustion products may include the following substances: Harmful gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects Acute toxicity - oral Notes (oral LD_{50}) Based on available data the classification criteria are not met.

Acute toxicity - dermal Notes (dermal LD_{50}) | Based on available data the classification criteria are not met.

Acute toxicity - inhalation Notes (inhalation LC_{50}) | Based on available data the classification criteria are not met.

Skin corrosion/irritation Animal data | Based on available data the classification criteria are not met.

Serious eye damage/irritation Serious eye damage/irritation | Causes serious eye irritation.

Respiratory sensitisation Respiratory sensitisation | There is evidence that the product can cause respiratory hypersensitivity.

Skin sensitisation Skin sensitisation | Based on available data the classification criteria are not met.

Germ cell mutagenicity Genotoxicity - in vitro | Based on available data the classification criteria are not met.

Carcinogenicity Carcinogenicity | Based on available data the classification criteria are not met.

IARC carcinogenicity | Contains a substance/a group of substances which may cause cancer. IARC Group 1 Carcinogenic to humans.

Reproductive toxicity Reproductive toxicity - fertility | Based on available data the classification criteria are not met.

Reproductive toxicity - | Based on available data the classification criteria are not met. development

Specific target organ toxicity - single exposure STOT - single exposure | STOT SE 3 - H336 May cause drowsiness or dizziness.

Target organs | Central nervous system

Specific target organ toxicity - repeated exposure STOT - repeated exposure | Not classified as a specific target organ toxicant after repeated exposure.

Aspiration hazard

Aspiration hazard | Based on available data the classification criteria are not met.

General information | The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

Inhalation | May cause sensitisation or allergic reactions in sensitive individuals. A single exposure may cause the following adverse effects: Headache. Nausea, vomiting. Central nervous system depression. Drowsiness, dizziness, disorientation, vertigo. Narcotic effect.

Ingestion | No specific symptoms known.

Skin contact | No specific symptoms known.

Eye contact | Irritating to eyes.

Route of exposure | Ingestion Inhalation Skin and/or eye contact

Target organs | Central nervous system

SECTION 12: Ecological information

Ecotoxicity | Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity Toxicity Based on available data the classification criteria are not met.

12.2. Persistence and degradability Persistence and degradability The degradability of the product is not known.

12.3. Bioaccumulative potential Bioaccumulative potential No data available on bioaccumulation.

12.4. Mobility in soil Mobility No data available.

12.5. Results of PBT and vPvB assessment 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. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

Disposal methods | Do not empty into drains. Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labelled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

SECTION 14: Transport information

General | For limited quantity packaging/limited load information, consult the relevant modal documentation using the data shown in this section.

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 PAINT RELATED MATERIAL (ADR/RID)

Proper shipping name (IMDG) PAINT RELATED MATERIAL

Proper shipping name (ICAO) PAINT RELATED MATERIAL

Proper shipping name (ADN) | PAINT RELATED MATERIAL

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 II

IMDG packing group | II

ICAO packing group | II

ADN packing group | II

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant No.

14.6. Special precautions for user Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

EmS | F-E, S-E

ADR transport category | 2

Emergency Action Code | •3YE

Hazard Identification Number | 33 (ADR/RID)

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 Not applicable. Annex II of MARPOL 73/78 and the IBC Code

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture National regulations Health and Safety at Work etc. Act 1974 (as amended). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"]. EH40/2005 Workplace exposure limits.

15.2. Chemical safety assessment No chemical safety assessment has been carried out.

Inventories EU - EINECS/ELINCS None of the ingredients are listed or exempt.

SECTION 16: Other information

Abbreviations and acronyms | ADR: European Agreement concerning the International Carriage of Dangerous Goods by used in the safety data sheet | Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC50: Lethal Concentration to 50 % of a test population. LD50: Lethal Dose to 50% of a test population (Median Lethal Dose). EC_{50}: 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.

Classification abbreviations | Flam. Liq. = Flammable liquid and acronyms | Eye Irrit. = Eye irritation Resp. Sens. = Respiratory sensitisation STOT SE = Specific target organ toxicity-single exposure

Classification procedures | STOT SE 3 - H336: Eye Irrit. 2 - H319: Resp. Sens. 1 - H334: : Calculation method. Flam. Liq. according to SI 2019 No. 720 | 2 - H225: : Expert judgement.

Training advice | Only trained personnel should use this material.

Revision | 3

Hazard statements in full | H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H319 Causes serious eye irritation. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H336 May cause drowsiness or dizziness.

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 himself as to the suitability of such information for his own particular use.