

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 1

SECTION 1: IDENTIFICATION OF PRODUCT AND COMPANY

1.1 Product Identifier

Product name: ULTIMATE 2K HS Scratch Resistant Clearcoat
Product Code: FL2020

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

Intended use: This product is not recommended for any use or sector of use industrial, professional or consume other than those previously listed as 'Intended or identified uses'. This product is for the professional painting of vehicles only after reference to the manufacturer's data sheet. If your use is not covered, please contact the supplier of this material safety data sheet.

Uses advised against: Not suitable for use in homeworke (DIY) applications

1.3 Details of supplier of the safety data sheet

Details of company: FLP Group
Unit 1 Clayfields Industrial Estate
Tickhill Road
Doncaster
DN4 8QG
+44 (0) 1302 571571
sales@flpgroup.co.uk

1.4 Emergency telephone number

Emergency Tel: +44 (0) 1302 571571

SECTION 2: HAZARD IDENTIFICATION

2.1 Classification of the substance or mixture

Classification under CLP: Flam. Liq. 3: H226; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT SE 3: H336; STOT RE 2: H373i; Aquatic Chronic 2: H411;
Most important adverse effects: Flammable. Harmful by inhalation and in contact with skin. Irritating to skin.

2.2 Label elements

Hazard statements: H226 Flammable liquid and vapour.
H373i May cause damage to organs through prolonged or repeated exposure if inhaled.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.
H315 Causes skin irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Signal words: Warning

Hazard pictograms: GHS02: Flame
GHS07: Exclamation mark
GHS08: Health hazard
GHS09: Environmental



Precautionary statements:

P102 Keep out of reach of children.
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.

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 2

P280F Wear protective gloves, clothing and eye protection. In case of inadequate ventilation wear respiratory protection.
 P303+P361+P353-P352-P312 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell.
 P273-P391-P501a Avoid release to the environment. Collect spillage. Dispose of contents/container in a safe way.
 EUH208 Contains 2, 3-epoxypropyl neodecanoate. May produce an allergic reaction.

Contains:

Xylene (mixture of isomers), n-butyl acetate, Hydrocarbons C9 aromatics, Ethylbenzene

2.3 Other hazards

Other hazards:

No other known hazards.

PBT:

This substance is not identified as a PBT substance.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures

Hazardous ingredients:

EINECS	CAS	CLP Classification	Percent
2-methoxy-1-methylethyl acetate REACH: 01-2119475791-29			
203-603-9	108-65-6	Warning: Flam. Liq. 3: H226	15 < 20 %
Xylene (mixture of isomers) REACH: 01-2119488216-32			
215-535-7	1330-20-7	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315; Eye Irrit. 2: H319; STOT SE 3: H335; STOT RE 2: H373i; Asp. Tox. 1: H304	10 < 15 %
n-butyl acetate REACH: 01-2119485493-29			
204-658-1	123-86-4	Flam. Liq. 3: H226; STOT SE 3: H336; EUH066	5 < 10 %
Hydrocarbons, C9, aromatics REACH: 01-2119455851-35			
	64742-95-6	Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; EUH066	5 < 10 %
Ethylbenzene			
202-849-4	100-41-4	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373iE; Asp. Tox. 1: H304	2.5 < 5 %
2,3-epoxypropyl neodecanoate			
247-979-2	26761-45-5	Skin Sens. 1: H317; Muta. 2: H341o; Aquatic Chronic 2: H411	< 0.15 %

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Skin contact: Skin contact causes redness. In case of prolonged contact, the skin may become dry. Remove immediately contaminated clothing. Wash thoroughly the affected area with plenty of cold or lukewarm water and neutral soap, or use a suitable skin cleanser. Do not use solvents or thinners.

Eye contact: Contact with the eyes produces redness and pain. Remove contact lenses. Rinse eyes copiously by irrigation with plenty of clean, fresh water for at least 15 minutes, holding the eyelids apart, until the irritation is reduced. Call a physician immediately.

Ingestion: If swallowed, may cause irritation of the throat, abdominal pain, drowsiness, nausea, vomiting and diarrhoea. If swallowed, seek medical advice immediately and show container or label. Do not induce vomiting, due to the risk of aspiration. Keep the patient at rest.

Inhalation: Inhalation of solvent vapours may produce headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Inhalation produces irritation to mucus, coughing and breathlessness. Remove the patient out of the contaminated area into the fresh air. If breathing is irregular or stops, administer artificial respiration. If the person is unconscious, place in appropriate recovery position. Keep the patient warm and at rest until medical attention arrives.

4.2 Most Important symptoms and effects, both acute and delayed

None known

4.3 Indication of any immediate medical attention and special treatment needed

Notes to physician: Treatment should be directed at the control of symptoms and the clinical condition of the patient. Antidotes and contraindications: Specific antidote not known.

SECTION 5: FIRE FIGHTING MEASURES

5.1 Extinguishing media

Extinguishing media: Extinguishing powder or CO2. In the case of more important fires, also alcohol resistant foam and water spray/mist. Do not use for extinguishing: direct water jet. Direct water jet may not be effective to extinguish the fire, since the fire may spread.

5.2 Special hazards arising from the substance or mixture

Exposure hazards: Fire can produce a dense black smoke. As consequence of combustion or thermal decomposition, hazardous products may be produced: carbon monoxide, carbon dioxide. Exposure to combustion or decomposition products may be a hazard to health.

5.3 Advice for fire-fighters

Advice for fire-fighters: Special protective equipment: Depending on magnitude of fire, heat-proof protective clothing may be required, appropriate independent breathing apparatus, gloves, and protective glasses or face masks and boots. If the fire-proof protective equipment is not available or not used, combat fire from a sheltered position or at a safe distance. The standard EN469 provides a basic level of protection for chemical incidents. Other recommendations: Cool with water the tanks, cisterns or containers close to sources of heat or fire. Bear in mind the direction of the wind. Do not allow fire-fighting residue to enter drains, sewers or water courses.

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 4

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Eliminate possible sources of ignition and when appropriate, ventilate the area. Do not smoke. Avoid direct contact with this product. Avoid breathing vapours. Keep people without protection in opposition to the wind direction.

6.2 Environmental precautions

Avoid contamination of drains, surface or subterranean water and soil. In the case of large scale spills or when the product contaminates lakes, rivers or sewages, inform the appropriate authorities in accordance with local regulations.

6.3 Methods and material for containment and cleaning up

Contain and mop up spills with non-combustible absorbent materials (earth, sand, vermiculite, diatomaceous earth, etc.). Clean preferably with a biodegradable detergent. Avoid use of solvents. Keep the remains in a closed container.

6.4 Reference to other sections

For contact information in case of emergency, see section 1.

For information on safe handling, see section 7.

For exposure controls and personal protection measures, see section 8.

For subsequent waste disposal, follow the recommendations in section 13.

SECTION 7: HANDLING & STORAGE

7.1 Precautions for safe handling

Comply with the existing legislation on health and safety at work.

General recommendations: Avoid any type of leakage or escape. Keep the container tightly closed.

Recommendations for the prevention of fire and explosion risks: Vapours are heavier than air, may spread along floors to a considerable distance, can form explosive mixtures with air and are able to reach distant ignition sources and flame up or explode. Due to its flammability, this material should only be used in areas from which all naked lights and other sources of ignition have been excluded and away from other heat or electrical sources. Switch mobile phones off and do not smoke. If this product is used in an industrial installation, the zones with risk of explosion should be marked. Use instruments, systems and protective equipment adequate to the classification of zones, according to the health and safety at work laws, in accordance with Directive 94/9/EC and 99/92/EC. Electrical equipment should be protected to the appropriate standard. No tools with a potential for sparks should be used. Elaborate the document 'Protection against explosions'.

Flash point:	31°C
Auto ignition temperature:	373°C
Upper/lower flammability or explosive limits:	1.2-8.4% Volume 25°C

Recommendations for the prevention of toxicological risks: Do not eat, drink or smoke in application and drying areas. After handling, wash hands with soap and water. For exposure controls and personal protection measures, see section 8.

Recommendations for the prevention of environmental contamination: Avoid any spillage in the environment. Pay special attention to the cleaning water. In the case of accidental spillage, follow the instructions indicated in.

7.2 Conditions for safe storage, including any incompatibilities

Prevent unauthorized access. Keep out of reach of children. This product should be stored isolated from heat and electrical sources. Do not smoke in storage area. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions. In order to avoid leakages, the containers, after use, should be closed carefully and placed in a vertical position. For more information, see section 10.

Class of store:	According to current legislation.
Maximum storage period:	12 months

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 5

Temperature interval: min: 5°C – max: 40°C (recommended).

Incompatible materials: Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

Type of packaging: According to current legislation.

Limit quantity (Seveso III): Directive 96/82/EC~2003/105/EC: Lower threshold: 5000 tons, Upper threshold: 50000 tons

7.3 Specific end use(s)

For the use of this product do not exist particular recommendations apart from that already indicated.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1 Control parameters

If a product contains ingredients with exposure limits, may be necessary a personnel monitoring, work place or biological, to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to EN689, EN14042 and EN482 standard concerning methods for assessing the exposure by inhalation to chemical agents, and exposure to chemical and biological agents. Reference should be also made to national guidance documents for methods for the determination of dangerous substances.

OCCUPATIONAL EXPOSURE LIMIT VALUES (TLV)

AGCIH 2013	Year	TWA ppm	mg/m3	TLV-STEL ppm	mg/m3	Remarks
2-methoxy-1-methylethyl acetate		50.	275.	100.	550.	Vd Recommended
Xylene (mixture of isomers)	1996	100.	434.	150.	651.	A4
n-butyl acetate	1998	150.	713.	200.	950.	
Hydrocarbons C9 aromatics		50.	290.	-	-	Internal value
Ethylbenzene	2002	100.	434.	125.	543.	A3

TLV - Threshold Limit Value, TWA - Time Weighted Average, STEL - Short Term Exposure Limit. A4 – Non-classified as carcinogenic in humans.

Vd - Dermal.

A3 - Carcinogenic in animals.

A4 - Non classified as carcinogenic in humans

BIOLOGICAL LIMIT VALUES: Not established

DERIVED NO-EFFECT LEVEL (DNEL): Derived no-effect level (DNEL) is a level of exposure that is considered safe, derived from toxicity data according to specific guidance's included in REACH. DNEL values may differ from an occupational exposure limit (OEL) for the same chemical. OEL values may come recommended by a particular company, a government regulatory agency or an organization of experts. Although considered protective of health, the OEL values are derived by a process different of REACH.

Derived no-effect level, workers: - Systemic effects, acute and chronic

	DNEL Inhalation mg/m3 bw/d	DNEL Cutaneous mg/kg bw/d	DNEL Oral mg/kg bw/d
2-methoxy-1-methylethyl acetate	- (a) 275. (c)	- (a) 154. (c)	- (a) - (c)
Xylene (mixture of isomers)	289. (a) 77.0 (c)	s/r (a) 180. (c)	- (a) - (c)
N-butyl acetate	960. (a) 480. (c)	- (a) - (c)	- (a) - (c)
Hydrocarbons C9 aromatics	- (a) 150. (c)	- (a) 25.0 (c)	- (a) - (c)

Derived no-effect level, workers: - Local effects, acute and chronic

SAFETY DATA SHEET

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 6

	DNEL Inhalation mg/m3		DNEL Cutaneous mg/cm2		DNEL Eyes mg/cm2
2-methoxy-1-methylethyl acetate	- (a)	- (c)	- (a)	- (c)	- (a) - (c)
Xylene (mixture of isomers)	289. (a)	s/r (c)	s/r (a)	s/r (c)	- (a) - (c)
N-butyl acetate	960. (a)	480. (c)	- (a)	- (c)	- (a) - (c)
Hydrocarbons C9 aromatics	- (a)	- (c)	- (a)	- (c)	- (a) - (c)

Derived no-effect level, general population: Not applicable (product for professional or industrial use).

(a) - Acute, short-term exposure,

(-) - DNEL not available (without data of registration REACH).

s/r - DNEL not derived (not identified hazard).

PREDICTED NO-EFFECT CONCENTRATION (PNEC):

Predicted no-effect concentration, aquatic organisms: - Fresh water, marine water and intermittent release:

	PNEC Fresh water mg/l	PNEC Marine mg/l	PNEC Intermittent mg/l
2-methoxy-1-methylethyl acetate	0.635	0.0635	6.35
Xylene (mixture of isomers)	0.327	0.327	0.327
N-butyl acetate	0.180	0.0180	0.360
Hydrocarbons C9 aromatics	uvcb	uvcb	uvcb

Predicted no-effect concentration, aquatic organisms: - Wastewater treatment plants (STP) and sediments in fresh- and marine water:

	PNEC STP P mg/l	NEC Sediments mg/kg dry weight	PNEC Sediments mg/kg dry weight
2-methoxy-1-methylethyl acetate	100.	3.29	0.329
Xylene (mixture of isomers)	6.58	12.5	12.5
N-butyl acetate	35.6	0.981	0.0981
Hydrocarbons C9 aromatics	uvcb	uvcb	uvcb

Predicted no-effect concentration, terrestrial organisms: - Air, soil and effects for predators and humans:

	PNEC Air mg/m3	PNEC Soil mg/kg dry weight	PNEC Oral mg/kg bw/d
2-methoxy-1-methylethyl acetate	-	0.290	-
Xylene (mixture of isomers)	-	2.31	-
N-butyl acetate	-	0.0903	-
Hydrocarbons C9 aromatics	uvcb	uvcb	uvcb

(-) - PNEC not available (without data of registration REACH).

uvcb - The substance has an unknown or variable composition (UVCB). The conventional methods to derive the PNEC are not appropriate and it is not possible to identify a single PNEC representative for these substances, and therefore not used in calculations for risk assessment.

8.2 Exposure controls

Engineering measures:

Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these measures are not sufficient to maintain concentrations of particulates and vapours below the Occupational Exposure Limits, suitable respiratory protection must be worn.

Protection of respiratory system:

Avoid the inhalation of vapours.

Protection of eyes and face:

It is recommended to dispose of water taps, sources or eyewash bottles with clean water close to the working area.

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 7

Protection of hands and skin: It is recommended to dispose of water taps or sources with clean water close to the working area. Barrier creams may help to protect the exposed areas of the skin. Barrier creams should not be applied once exposure has occurred.

Occupational exposure controls: Directive 89/686/EEC~96/58/EC: As a general measure on prevention and safety in the work place, we recommend the use of a basic personal protection equipment (PPE), with the corresponding EC marking. For more information on personal protective equipment (storage, use, cleaning, maintenance, type and characteristics of the PPE, protection class, marking, category, CEN norm, etc...), you should consult the informative brochures provided by the manufacturers of PPE.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance

Physical state: Liquid.
 Colour: Colourless.
 Odour: Characteristic
 Odour threshold: Not available (mixture).

pH-value

pH: Not applicable

Change of state

Melting point: Not applicable (mixture).
 Initial boiling point: 126.3 °C at 760 mmHg

Density

Vapour density: 3.94 at 20°C 1 atm. Relative air
 Relative density: 0.997 at 20/4°C Relative water

Stability

Decomposition temperature: Not available

Viscosity

Dynamic viscosity: 320. cps 20°C
 Kinematic viscosity: 110. mm²/s at 40°C
 Viscosity (flow time): 90. sec.FC4 20°C

Volatility:

Vapour pressure: 5.4 mmHg at 20°C
 Vapour pressure: 3.7 kPa at 50°C

Solubility

Solubility in water: Not miscible
 Solubility in oils and fats: Not available

Flammability:

Flash point: 31. °C
 Upper: 1.2% Volume 25°C
 Lower: 8.4% Volume 25°C
 Auto ignition temperature: 373. °C

Explosive properties:

Vapours can form explosive mixtures with air and are able to flame up or explode in presence of an ignition source.

Oxidizing properties:

Not classified as oxidizing product.

9.2 Other information

Heat of combustion: 7457. Kcal/kg
 VOC (supply): 51.2 % Weight
 VOC (supply): 510.2 g/l

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Reactivity: Stable under normal conditions

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 8

10.2 Chemical stability

Chemical stability: Stable under normal conditions.

10.3 Possibilities of hazardous reactions

Hazardous reactions: Possible dangerous reaction with oxidizing agents, acids, alkalis, peroxides

10.4 Conditions to avoid

Conditions to avoid: Keep away from sources of heat. If possible, avoid direct contact with sunlight. Avoid extreme humidity conditions.

10.5 Incompatible materials

Materials to avoid: Keep away from oxidising agents, from strongly alkaline and strongly acid materials.

10.6 Hazardous decomposition products

Hazardous decomposition products: As consequence of thermal decomposition, hazardous products may be produced: sulphur oxides.

SECTION 11: TOXICAL INFORMATION

11.1 Information on toxicological effects

ACUTE TOXICITY:

Dose and lethal concentrations for individual ingredients:

	DL50 (OECD 401) mg/kg oral	DL50 (OECD 402) mg/kg cutaneous	CL50 (OECD 403) mg/m inhalation
2-methoxy-1-methylethyl acetate	8532. Rat	> 5000. Rat	> 35700 Rat
Xylene (mixture of isomers)	4300. Rat	1700. Rabbit	> 22080 Rat
N-butyl acetate	10768. Rat	17600. Rabbit	> 23400 Rat
Hydrocarbons C9 aromatics	3592. Rat	3160. Rabbit	> 6193. Rat
Ethylbenzene	3500. Rat	15400. Rabbit	> 17400 Rat
2, 3-epoxypropyl neodecanoate	9600. Rat	3800. Rabbit	> 250. Rat

No observed adverse effect level: Not available

Lowest observed adverse effect level: Not available

INFORMATION ON LIKELY ROUTES OF EXPOSURE: Acute toxicity

Routes of exposure	Acute toxicity	Cat.	Main effects, acute and/or delayed
Inhalation: Not classified	ETA > 20000 mg/m3	-	Not classified as a product with acute toxicity if inhaled (based on available data, the classification criteria are not met)
Skin: Not classified	ETA > 2000 mg/kg	-	Not classified as a product with acute toxicity in contact with skin (based on available data, the classification criteria are not met).
Eyes: Not classified	not available	-	Not classified as a product with acute toxicity by eye contact (lack of data).
Ingestion: Not classified	ETA > 5000 mg/kg	-	Not classified as a product with acute toxicity if swallowed (based on available data, the classification criteria are not met).

SAFETY DATA SHEET

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 9

CORROSION / IRRITATION / SENSITISATION:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
Respiratory irritation:	Respiratory ways	Cat.3	IRRITANT: May cause respiratory irritation.
Skin irritation:	Skin	Cat.2	IRRITANT: Causes skin irritation.
Serious eye irritation:	Eyes	Cat.2	IRRITANT: Causes serious eye irritation.
Respiratory sensitisation:	-	-	Not classified as a product sensitising by inhalation (based on available data, the classification criteria are not met).
Skin sensitisation:	-	-	Not classified as a product sensitising by skin contact (based on available data, the classification criteria are not met).

Contains 2, 3-epoxypropyl neodecanoate. May produce an allergic reaction.

ASPIRATION HAZARD:

Danger class	Target organs	Cat.	Main effects, acute and/or delayed
Aspiration hazard:	-	-	Not classified as a product hazardous by aspiration (based on available data, the classification criteria are not met).

SPECIFIC TARGET ORGANS TOXICITY (STOT): Single exposure (SE) and/or repeated exposure (RE):

Effects	SE/RE	Target organs	Cat.	Main effects, acute and/or delayed
Neurological:	SE	CNS	Cat.3	narcotic: May cause drowsiness or dizziness if inhaled.

CMR EFFECTS:

Carcinogenic effects:	Is not considered as a carcinogenic product.
Genotoxicity:	Is not considered as a mutagenic product.
Toxicity for reproduction:	Do not harm fertility. Do not harm the foetus developing.
Effects via lactation:	Not classified as a hazardous product for children breast-fed.

Delayed and immediate effects as well as chronic effects from short and long-term exposure:

Routes of exposure:	May be absorbed by inhalation of vapour, through the skin and by ingestion.
Short-term exposure:	Harmful by inhalation. Exposure to solvent vapour concentrations in excess of the stated occupational exposure limit, may result in adverse health effects, such as mucous membrane and respiratory system irritation and adverse effects on kidneys, liver and central nervous system. Liquid splashes in the eyes may cause irritation and reversible damage. If swallowed, may cause irritation of the throat; other effects may be the same as described in the exposure to vapours.
Long-term or repeated exposure:	Repeated or prolonged contact may cause removal of natural fat from the skin, resulting in non-allergic contact dermatitis and absorption through the skin.

Interactive effects: Not available.

Information about toxicokinetics, metabolism and distribution:

Dermal absorption:	Not available.
Basic toxicokinetics:	Not available.

Additional information: Not available.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Acute toxicity in aquatic environment for individual ingredients:

SAFETY DATA SHEET

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 10

	CL50 (OECD 203) mg/L.96hours		CE50 (OECD 202) mg/L.48hours		CE50 (OECD 201) mg/L.72hours
2-methoxy-1-methylethyl acetate	134.	Fishes	408.	Daphnia	> 1000. Algae
Xylene (mixture of isomers)	14.	Fishes	16.	Daphnia	> 10. Algae
N-butyl acetate	18.	Fishes	44.	Daphnia	675. Algae
Hydrocarbons C9 aromatics	9.2	Fishes	3.2	Daphnia	2.9 Algae
Ethylbenzene	12.	Fishes	1.8	Daphnia	33. Algae
2, 3-epoxypropyl neodecanoate	5.0	Fishes	4.8	Daphnia	3.5 Algae
No observed effect concentration	NOEC (OECD 210) mg/L.28days		NOEC (OECD 211) mg/L.21days		
2-methoxy-1-methylethyl acetate			> 100.	Daphnia	
N-butyl acetate			23.	Daphnia	

Lowest observed effect concentration: Not available

12.2 Persistence and degradability

Not applicable

12.3 Bio accumulative potential

Not applicable

12.4 Mobility in soil

Not applicable

12.5 Results of PBT and vPvB assessment

PBT identification: This substance is not identified as a PBT substance

12.6 Other adverse effects

None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Take all necessary measures to prevent the production of waste whenever possible. Analyse possible methods for revaluation or recycling. Do not discharge into drains or the environment, dispose of at an authorised waste collection point. Waste should be handled and disposed of in accordance with current local and national regulations. For exposure controls and personal protection measures, see section 8.

Disposal of empty containers: Emptied containers and packaging should be disposed of in accordance with currently local and national regulations. The classification of packaging as hazardous waste will depend on the degree of emptying of the same, being the holder of the residue responsible for their classification, in accordance with Chapter 15 01 of Decision 2000/532/EC, and forwarding to the appropriate final destination. With contaminated containers and packaging, adopt the same measures as for the product in itself.

Procedures for neutralising or destroying the product: Controlled incineration in special facilities for chemical waste, but in accordance with local regulations.

SECTION 14: TRANSPORTATION INFORMATION

14.1 UN number

UN Number: 1263

14.2 UN proper shipping name

Shipping name: PAINT or PAINT RELATED MATERIAL

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 11

14.3 Transport hazard class

Transport class: 3
ADR - Hazard identification number: 30

14.4 Packaging group

Transport by road (ADR 2013) and Transport by rail (RID 2013):

Class: 3
Packaging group: III
Classification code: F1
Tunnel restriction code: (D/E)
Transport category: 3, max. ADR 1.1.3.6. 1000 L
Limited quantities: 5 L (see total exemptions ADR 3.4)
Transport document: Consignment paper.
Instructions in writing: ADR 5.4.3.4

Transport by sea (IMDG 36-12):

Class: 3
Packaging group: III
Emergency Sheet (EmS): F-E, S_E
First Aid Guide (MFAG): 310,313
Marine pollutant: Yes.
Transport document: Shipping Bill of lading.

Transport by air (ICAO/IATA 2013):

Class: 3
Packaging group: III
Transport document: Air Bill of lading.

14.5 Environmental hazards

Not applicable.

14.6 Special precautions for user

Ensure that persons transporting the product know what to do in case of accident or spill. Always transport in closed containers that are in a vertical position and sure. Ensure adequate ventilation.

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

Not applicable

SECTION 15: REGULATORY INFORMATION

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

The regulations applicable to this product generally are listed throughout this material safety data sheet

15.2 Chemical safety assessment

For this mixture has not been carried out a chemical safety assessment.

SECTION 16: OTHER INFORMATION

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.
* indicates text in the SDS which has changed since the last revision.

Phrases used in section 3: 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.

ULTIMATE 2K HS Scratch Resistant Clearcoat

Date: 01-01-2020

Page: 12

H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.
EUH066 Repeated exposure may cause skin dryness or cracking.
H373i May cause damage to organs through prolonged or repeated exposure if inhaled.
H341o Suspected of causing genetic defects if swallowed.
H373iE May cause damage to hearing organs through prolonged or repeated exposure if inhaled.

Legal disclaimer:

The above information is believed to be correct but does not support to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.