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PRODUCT

SAFETY

DATA

SHEET

SDS Reference: Kolorbond Kolorklad

This SDS supplements and supports the information contained on the product label. Package labelling provides basic safety information only.

Section 1.0 Identification of the substance/mixture and of the company/undertaking.

1.1. Product Identifier: Individual Reference name: **Kolorklad**
Product Group: **Kolorbond**

1.1.1 Unique Formulation Identifier UFI Not assigned

This is a generic SDS for Quick-Air-drying paints belonging to the product group **Kolorbond**

1.1.1. Product Description:

Ready mixed air-drying paint based on a solution of **vinyl co-polymer resin in xylene and containing pigments and fillers.** for industrial and professional users.

1.2. Relevant identified use of the substance or mixture:

As a surface coating for the marking, protection and/or decoration of substrates when applied by spray, brush, or roller methods or variation thereof. For professional use only.

Use advised against:

Not suitable for use on toys or children's play equipment.

Not suitable for use in contact with food. Product composition may not conform to the requirements as set out in the relevant regulations.

See section 7:2 for Sector of Use, Process Category and other REACH mandated codes.

1.3. Details of the Supplier of the Safety Data Sheet:

Company: Technispray Paints Ltd. Catherine Street, Birmingham B6 5RS UK
Tel. +44 (0) 21 326 8020 Fax +44 (0)21 558 3607. info@kolorbond.co.uk

Emergency Phone No: National Poisons Information Service (NPIS): <http://www.npis.org/>.
Via NHS-Direct (24hrs) – 08454 24 24 24.

European Product Categorisation System (**EuPCS**) – for mixtures within the scope of Article 45 of the CLP regulations.

Product Category	EuPCS Code	Descriptor:
Paints and coatings	PC-PNT	Products in liquid or powder form which, when applied to a substrate, form a dry film possessing protective, decorative and or other technical properties.
Aerosol paints and coatings	PC-PNT-1	Paint and coatings supplied in ready-to-use aerosol canisters for spray application.
Paints / Coatings – Protective and functional	PC-PNT-3	Protective coatings that are characterized as 'paint' and paints for specific functional purposes.
Factory applied coatings	PC-PNT-6	Coatings applied in a production setting

Section 2.0 Hazards Identification

2.1. Classification of the mixture (Regulation EC1272/2008).

Flammable Liquid 3: H226: Flammable liquid and vapour.

Acute Tox. 4: H312: Harmful in contact with skin.

Skin Irrit. 2: H315: Causes skin irritation.

Acute Tox.4: H332: Harmful if inhaled.

Aquatic Chronic 3: H412: Harmful to aquatic life with long lasting effects.

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2.2. Label elements:**Contains:** Xylene (mixed isomers) , Hydrocarbons C9 Aromatic.**Signal Word:** WARNING**Hazard pictograms:**

. GHS02



GHS07

Hazard statements:

H226: Flammable liquid and vapour.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H332: Harmful if inhaled.

H412: Harmful to aquatic life with long lasting effects

Precautionary statements:**P210; Keep away from heat/sparks/open flame/hot surfaces. No smoking,****P241: Use explosion-proof electrical/ventilation/lighting equipment.****P280: Wear protective gloves/clothing/eye protection/face protection.****P302+P352: IF ON SKIN: Wash with plenty of soap and water.****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.****2.3. Other Hazards:**

EUH 210: Safety Data Sheet available on request.

Section 3.0. Composition / Information on ingredients:

For the Mixture:

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB, 'endocrine disrupter', 'skin sensitizer' or with an Ozone creation potential or included in the candidate list.

Component Inc CAS No.	Wt %	EC No.	REACH No.	Classification [CLP]
Xylene (mixed isomers) CAS: 1330-20-7	30-40 %	215-535-7	01-2119488216-32	Flam Liq.3;H226. Acute Tox 4;H312. Acute Tox 4;H332 Skin Irit.2;H315
Hydrocarbons C9, Aromatics CAS: 64742-95-6	1 – 10 %	265-199-0	01-2119455851-35	Flam Liq 3; H226. Asp Tox 1; H304 Aquatic Chronic 2; H411 STOT SE 3; H335+336

Note. Symbol "[]" is short for [Concentration of substance] or [Conc.]

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Section 4.0. First Aid Measures:**4.1. Description of First Aid Measures:**

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use recognized skin cleanser

Do NOT use solvents or thinners

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

4.2. Most Important Symptoms and Effects, both Acute and Delayed:

Drowsiness and disorientation from inhalation.

4.3. Indication of any Immediate Medical Attention and Special Treatment needed:

Remove to fresh air and sit down.

Section 5.0. Fire-Fighting measures.**5.1. Extinguishing media:**

Suitable: alcohol resistant foam, CO₂, powders, water spray/mist.

Unsuitable: Water jet. High pressure water jet used directly may disperse flammable/burning liquid further

5.2. Special hazards arising from the substance or mixture

Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required.

5.3. Advice for firefighters

Cool closed containers exposed to fire with water.

Do not allow run-off from fire-fighting to enter drains or water courses. Protect drains and sewers with temporary bunding or temporary caps.

Section 6.0. Accidental release measures.**6.1. Personal precautions, protective equipment and emergency procedures****6.1.1. For non-emergency personnel.**

Prolonged spillage of flammable liquid over a large area in a confined space will produce an Explosive Atmosphere. Exclude sources of ignition then ventilate the area. Evacuate the danger area and consult the competent person or fire marshal. Do not enter the area without breathing apparatus.

Minor and immediate spillage of flammable liquid: Exclude sources of ignition. Ventilate the area.

Avoid breathing vapours, wear suitable protective equipment to prevent contamination of skin, eyes and personal clothing.

Refer to protective clothing listed in section 8.

6.1.2. For emergency responders.

Suitable protective clothing material: anti-static cotton coveralls with butyl, nitrile or PVC gloves.

Unsuitable materials – nylon [or synthetic fabric] coveralls, disposable latex gloves.

6.2. Environmental precautions

Do not allow to enter drains or watercourses. Use temporary bunding (soil / sand) and drain covers to prevent run-off. If the product contaminates lakes, rivers or sewage, inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up

Contain spillage with non-combustible absorbent materials, e.g. sand, earth. Note: Vermiculite will float on the surface of a mobile liquid it is not an efficient material for creating a temporary bund.

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Collect and clear spillage with non-combustible absorbent materials, e.g. sand, earth vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13).

Clean preferably with a detergent - avoid use of solvents.

6.4. Reference to other sections

Refer to section 8 & 13 for additional information.

Section 7.0. Handling and Storage.

7.1. Precautions for safe handling

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits. In addition, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded.

Electrical equipment should be protected to the appropriate standard.

Mixture may charge electrostatically: always use earthing leads when transferring from one container to another

Operators should wear anti-static footwear and clothing and floors should be of the conducting type

Isolate from sources of heat, sparks and open flame. No sparking tools should be used.

Avoid skin and eye contact. Avoid the inhalation of dust, particulates and spray mist arising from the application of this mixture. Avoid inhalation of dust from sanding. Smoking, eating and drinking should be prohibited in application area.

When operators, whether spraying or not, have to work inside the spray booth, ventilation is unlikely to be sufficient to control particulates and solvent vapour in all cases. In such circumstances they should wear a compressed air-fed respirator during the spraying process and until such time as the particulates and solvent vapour concentration has fallen below the exposure limit.

Materials such as cleaning rags, paper wipers and protective clothing, which are contaminated with the product may spontaneously self ignite some hours later To avoid the risk of fires, all contaminated materials should be stored in purpose built containers or in metal containers with tight fitting self closing lids. Contaminated materials should be removed from the workplace at the end of each working day and be stored outside.

For personal protection see Section 8

Never use pressure to empty: container is not a pressure vessel. Always keep in containers of same material as the original one. Comply with the health and safety at work laws. Do not allow to enter drains or water courses

Information on fire and explosion protection: Vapours are heavier than air and may spread along floors

Vapours may form explosive mixtures with air.

The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given: Take the pack size volume in litres and multiply this figure by the upper specific gravity value given in Section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with the principles contained in the HSE guidance note Chemical Warehousing: The Storage of packaged Dangerous Substances.

Notes on joint storage:

Store away from oxidising agents, from strongly alkaline and strongly acid materials.

Additional information on storage conditions:

Store in accordance with the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR.

Observe label precautions

Store between 5 and 25°C in a dry, well ventilated place away from sources of heat and direct sunlight

Keep container tightly closed. Keep away from sources of ignition. No smoking. Prevent unauthorized access. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

For the manual application by brush, spray or roller equipment to suitably prepared surfaces.

See Section 1.2.

Suppliers of hazardous mixtures that have to provide recipient users with an SDS should include 'use information' in a format mandated by the REACH regulations.

Accordingly, products supplied by H.S.Richards for which this SDS applies belong to the following use groups:

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The following information is taken from ECHA publication:

Guidance on Information Requirements and Chemical Safety Assessment Chapter R.12: Use description Version 3.0 - December 2015.

Descriptor list for Sector of Use (SU).

Code	Name	NACE Code
SU15	Manufacture of fabricated metal products, except machinery and equipment	C 25
SU17	General manufacturing, e.g. machinery, equipment, vehicles, other transport equipment	C 28-30,33

NACE Code: Nomenclature of Economic Activities in the E.U.

Descriptor list for Chemical Product Category (PC)

PC9a	Coatings and paints, thinners, paint removers
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Descriptor list for Process Categories (PROC)

PROC7	Industrial spraying	Air dispersive techniques i.e. dispersion into air (= atomization) by e.g. pressurized air, hydraulic pressure or centrifugation, applicable for liquids and powders. Spraying for surface coating. The reference to 'industrial' means that workers involved have received specific task training, follow operating procedures and act under supervision. Where engineering controls are in place, they are also operated by trained personnel and regularly maintained according to procedures. It is not meant that the activity can only take place at industrial sites.
PROC10	Roller application or brushing	This includes application of paints, coatings or cleaning agents to surfaces with potential exposure arising from splashes. This PROC can also be assigned to tasks such as cleaning of surfaces using long-handle tools.
PROC11	Non industrial spraying	Air dispersive techniques i.e. dispersion into air (= atomization) by e.g. pressurized air, hydraulic pressure or centrifugation, applicable for liquids and powders. Includes spraying of substances/mixtures for surface coating, The reference to 'non-industrial' is to differentiate where conditions mentioned in PROC7 cannot be met. It is not meant that the activity can only take place at non-industrial sites.

Descriptor list for Environmental Release Categories (ERC)

ERC5	Use at industrial site leading to inclusion into/onto article	The substance or its transformation products are included into or onto article Examples: • Use of binding agent and process regulators in paints and coatings or adhesives Covers also uses where the substance remains in the article after having previously been used as processing aid (e.g. heat stabilisers in plastic processing).
ERC8c	Widespread use leading to inclusion into/onto article (indoor)	Applies to uses by the public at large or by professional workers; substance or its transformation products will be physically or chemically bound into or onto article Examples: • Use of binding agent or process regulators in paints and coatings.
ERC8f	Widespread use leading to inclusion into/onto article (outdoor)	Applies to uses by the public at large or by professional workers; substance or its transformation products will be physically or chemically bound into or onto article Example: • Use of binding agent or process regulators in paints and coatings.

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Section 8.0. Exposure Controls /Personal Protection.**8.1. Control parameters****Limits for occupational exposure and / or biological limit values**

Substance name	8 Hours ppm	TWA (1) mg/m ³	STEL (2) ppm	mg/m ³	notes(3)	Monitoring procedures (4)
Xylene (Mixed Isomers)	50	220	100	441	Sk WEL	Air Sampling & BMGV
Hydrocarbons,C9 Aromatics	25	150			Sup	Air sampling
2-methyl propan-1-ol	50	154	75	231		Air sampling

(1) Eight hours Time Weighted Average (2) Short Term Exposure Limits

Source: EH40/2005 : List of approved workplace exposure limits (4th edition published 2020).

(3) Notes:

Sk –substance may be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to system toxicity.**IOELV** – Indicative Occupational Exposure Limit Values.**Skin** – The possibility of significant uptake through the skin.**Sup** – Suppliers data. **WEL** Workplace Exposure Limit

(4) Monitoring procedure by air sampling unless otherwise given in the raw materials supplier's substance exposure scenario.

Bmgv – Biological monitoring guidance values – listed in table below.

Substance	CAS:	Sampling	Tissue	Control Parameter	Biological monitoring Guidance Value	Comment
Xylene. Mixed isomers	1330- 20-7	650mmol of methyl hippuric acid / mol creatinine in urine	Post shift	xxx	xxx	xxx

DNEL information for: Hydrocarbons. C9. Aromatic.

Exposure	Route	Time	Value	Unit
Industrial	Dermal	Long Term	25	mg/kg/day
Industrial	Inhalation	Long Term	150	mg/m ³ /day
Data source: Supplier SDS (March 2013).				

8.2. Exposure controls**Appropriate engineering controls:**

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

Occupational exposure controls:**Respiratory protection:**

If workers are exposed to concentrations above the exposure limit they must use appropriate, certified respirators.

Disposable Respirators conforming to EN149 'FFP2' and Half Face Respirators conforming to EN 140, 141 & 143 with 'A-1' and/or 'P-3' filters cannot provide adequate protection in environments where vapour and particulate concentrations are at or above the workplace exposure limits. See section 7.1.

Dry sanding, flame cutting and/or welding of the dry paint film will give rise to dust and/or hazardous fumes. Wet sanding should be used wherever possible. If exposure cannot be avoided by the provision of local exhaust ventilation, suitable respiratory protective equipment should be used.

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Hand protection:

There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals.

For prolonged or repeated handling, use PVC, Neoprene or Nitrile gloves.

The breakthrough time must be greater than the end use time of the product.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. Gloves should be replaced regularly and if there is any sign of damage to the glove material. Always ensure that gloves are free from defects and that they are stored and used correctly.

The performance or effectiveness of the glove may be reduced by physical/ chemical damage and poor maintenance.

Barrier creams may help to protect the exposed areas of the skin, they should however not be applied once exposure has occurred.

Additional advice may be gained from: the HSE's publication 'HSG 206-Selection of Gloves. And from the European Solvent Industries Group(ESIG)-Best Practice Guideline 5 "Safe Use of Gloves" available at:

<http://www.esig.org/en/library/publications/best-practice-guides>

Eye protection:

Use safety eyewear designed to protect against splash of liquids.

Skin protection:

Personnel should wear anti-static clothing made of natural fibre or high temperature resistant synthetic fibre.

Environmental exposure controls:

Do not allow to enter drains or water courses. See Section 15.

The REACH regulation (article 37) places an obligation on suppliers of hazardous mixtures to identify the processes in which the mixtures are used and to provide a simplified yet appropriate guide to the safe use of the mixture(s).

The following table gives the identified **Sector-specific Worker Exposure Description(s) – SWED**.

The appropriate **Safe Use of Mixture Information sheet – SUMI** is appended within Section 16 of this SDS.

SWED Reference:	Applicable:	Use Group	SUMI Ref:
CEPE-IS-01		Industrial spray painting, enclosed.	CEPE-IS-01
CEPE-IS-02		Industrial spray painting, walk-in booth.	CEPE-IS-02
CEPE-IS-03		Industrial spray painting, no booth.	CEPE-IS-03
CEPE-IS-04		Industrial non-spray painting, enclosed.	CEPE-IS-04
CEPE-IS-05	X	Industrial non-spray painting, no booth.	CEPE-IS-05
CEPE-PW-01	X	Professional spray painting, near-industrial setting.	CEPE-PW-01
CEPE-PW-02	X	Professional non-spray painting, near industrial setting.	CEPE-PW-02
CEPE-PW-03a		Professional spray painting, indoor (level 1).	CEPE-PW-03a
CEPE-PW-03b		Professional spray painting, indoor (level 2).	CEPE-PW-03b
CEPE-PW-04	X	Professional painting, indoor, brush/roller.	CEPE-PW-04
CEPE-PW-05a		Professional spray painting, outdoor (level 1).	CEPE-PW-05a
CEPE-PW-05b	X	Professional spray painting, outdoor (level 2).	CEPE-PW-05b
CEPE-PW-06	X	Professional painting, outdoor, brush/roller.	CEPE-PW-06

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Section 9. Physical and Chemical Properties.

9.1. Information on basic physical and chemical properties

Property	Value / Range	Method
Appearance:	Transparent amber or variously coloured as described on product label.	
Physical state:	Liquid	
Odour:	Characteristic odour.	(Supplier data for Xylene)
Odour threshold:	n/d	
pH :	Not applicable, non-aqueous mixture	
Melting Pt /Freezing Pt:	Not possible to determine	
Initial Boiling Pt / Boiling range:	137 deg C	(Supplier data for Xylene)
Flash Pt:	24 deg C (Closed Cup)	(Supplier data for Xylene)
Evaporation rate:	n/a	
Flammability (solid, gas)	n/d	
Upper / lower flammability or explosive limits:	Upper 7.0 Lower 1.0	(Supplier data for Xylene)
Vapour pressure:	8.2 hPa @ 20 deg C	(Supplier data for Xylene)
Vapour density, or Relative density to air:	Heavier than air.	(Supplier data for Xylene)
Relative Density	Range 0.98 – 1.20 gm/ml	Estimated. Values will vary with product composition
Solubility in water	nil	
Partition coefficient – n-octanol/water.	n/d	
Auto ignition temp.	460 deg C	(Supplier data for Xylene)
Decomposition temp.		
Viscosity:	Range 80-240 sec Din4	Estimated value range. Product displays anomalous (thixotropic) flow.
Explosive properties:	Not explosive. May form explosive mixture with air.	
Oxidising properties:	Not oxidizing.	

n/d = no data n/a = not applicable for this product

9.2. Other information

No information.

Section 10. Stability and Reactivity.**10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

Stable under recommended storage and handling conditions (see section 7).

10.3. Possibility of hazardous reactions

Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials;

Organic peroxides. Oxidising Acids and strong oxidizing agents.

10.6. Hazardous decomposition products:**Does not decompose when used for intended uses.**

During combustion and in addition to oxides of carbon and nitrogen, unspecific partial oxides and combination products of carbon and nitrogen may be produced.

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Section 11, Toxicological information.

There is no data available on the mixture itself.

The mixture has been assessed following the conventional method within Regulation EC No.1272/2008 classified for toxicological hazards accordingly.

For Xylol paints:

ATE (Acute Toxicity Estimate) range values:

ATE (mix) (Oral) = 300<ATE<2000 mg/kg

ATEmix (Dermal) =1000<ATE<2000 mg/kg

ATEmix(Inhalation) =10<ATE<20 mg/l/4hr (vapours)

See Sections 2 and 3 for details.

11.1. Information on toxicological effects:

Data for the individual substances in the mixture, identified in section 3.2. is taken from supplier's data sheets and given here:

Substance:	Xylene
Acute Toxicity:	Oral LD50 4300mg/kg Rat Dermal LD50 >1700mg/kg Rabbit
Skin Irritation/Corrosivity	See general information 11.1.1.
Eye Irritation/Damage	Not corrosive
Sensitivity	Not sensitizing
Repeated dose toxicity	No information given
Carcinogenicity	Not carcinogenic
Mutagenicity	No information given
Toxicity for reproduction	No information given
STOT– single exposure	
STOT– repeated exposure	
Aspiration hazard	

Substance:	Hydrocarbons. C9, Aromatics
Acute Toxicity:	Oral LD50 >2000mg/kg Rat Dermal LD50 > 2000mg/kg Rabbit.
Irritation	See general information 11.1.1
Corrosivity	Not corrosive
Sensitivity	Not sensitizing
Repeated dose toxicity	No information
Carcinogenicity	Not carcinogenic
Mutagenicity	No information
Toxicity for reproduction	No information

11.1.1 General information.

Exposure to component 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 kidney, liver and central nervous system.

Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Solvents may cause some of the above effects by absorption through the skin.

Repeated or prolonged contact with the mixture may cause removal of natural fat from the skin resulting in non-allergic contact dermatitis and absorption through the skin.

The liquid splashed in the eyes may cause irritation and reversible damage.

Ingestion may cause nausea, diarrhoea and vomiting.

This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation and dermal routes of exposure and eye contact.

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Section 12. Ecological information.

There are no data available on the mixture itself.

Do not allow to enter drains or water courses

The mixture has been assessed following the conventional method within the CLP Regulation EC No.1272/2008 and is not classified as dangerous for the environment, but contains substance(s) hazardous to the aquatic environment. See section 3 for details.

Substance:	Hydrocarbons. C9, Aromatics.
12.1. Toxicity.	Acute Toxicity, Fish LC50 <10mg/l. Acute Toxicity, Aquatic invertebrates LC50 <10mg/l Acute Toxicity, Aquatic plants EC50 <10mg/l
12.2. Persistence and degradability.	Expected to be readily biodegradable. Undergoes rapid photochemical oxidation in air.
12.3. Bioaccumulation potential.	Does not significantly bioaccumulate.
12.4. Mobility in soil.	Mobile, may contaminate ground water.
12.5. Result of PBT and vPvB assessment.	Not classified as PBT or vPvB
12.6. Other adverse effects.	Contains voc's which have an ozone creation potential

Section 13. Disposal considerations.**13.1. Waste treatment methods**

Waste and emptied containers are controlled wastes and should be disposed of in accordance with the Environmental Protection(Duty of Care) Regulations (in England, Scotland and Wales or The Controlled Waste (Duty of Care) Regulations in Northern Ireland).

The European Waste Catalogue classification for this product, when disposed of as waste is given in Directive 2000/532/EC) (SI 2005 No. 895) as:

Waste Code: 08-01-11* Waste paint and varnish containing organic solvents or other dangerous substances.

08-01-15* Aqueous sludge from paint and varnish containing organic solvents and dangerous substances.

15-01-10* Packaging containing residue of, or contaminated by dangerous substances.

15-02-02* Absorbents / Filters / Cloths contaminated by dangerous substances.

13.1.2.

If this product is mixed with other wastes, the original waste product code may no longer apply and the appropriate code should be assigned

13.1.3.

Do not Allow into drains or water courses or dispose of where ground or surface waters may be affected.

13.1.4.

For further information contact your local waste authority.

Using information provided in this safety data sheet, advice should be obtained from the local waste authority on the classification of empty containers.

Empty containers must be scrapped or reconditioned.

Dispose of containers contaminated by the product in accordance with local or national legal provisions.

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Section 14. Transport information.**Transport within the user's premises:**

Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of a spillage or accident.

Transport in accordance with ADR/ RID, IMDG and for air, IATA/ICAO.

UN Number	UN1263
UN Proper Shipping Name	Paint Product
Transport Class	3
Subsidiary Risk	Flammable Liquid.
Label Number	3
Packing Group:	III
Environmental Hazard:	No
Special Provision Tunnel code Packing Provision	(D/E)
IMDG Code – additional information.	
Marine Pollutant Substance	
Emergency Schedule No:	F-E, S-E
ADR/RID – additional information.	
Viscous Substance up to 30Litre packs	None exempt material [IMDG 2.3.2.5]
Viscous substance up to 450 litre pack	None exempt material [ADR 2.2.3.1.5]
Transport in Bulk	Not applicable

Section 15. Regulatory information.**15.1**

Safety, health and environment regulation and, or legislation specific for the mixture:

The information contained in this safety data sheet does not constitute the users own assessment of workplace risk as required by other health and safety legislation.

The provisions of the Health and Safety at Work Act apply to the use of this product at work through the following (this is not an exhaustive listing):

Management of Health and Safety at Work Regulations 1999 (SI1999:3242) and

The Control of Substances Hazardous to Health Regs. 2002 [SI 2002:2677]

The Personal Protective Equipment at Work Regulations 1992 (SI 1992: 2966)

The Reporting of Injuries, Diseases and Dangerous Occurrences Regulations 1995 (SI 1995: 3163)

The Provision and Use of Work Equipment Regulations 1998 (SI1998:2306)

Control of Major Accidents Hazards Regulations 2015 (SI2015:483).

Dangerous Substances and Explosive Atmospheres Regulations2002 [SI 2002:2776]

The Environmental Permitting (England and Wales) Regulations 2016 [SI 2016: PG6/15 & PG 6/25

The Carriage of Dangerous Goods and Use of Transportable Pressure Receptacles Regulations 2007 (SI2007:1573)

Environmental Permitting (England and Wales) Regulations 2010(SI 2010:675)

The Solvent Emission (England and Wales) Regulations 2004 SI2004:107

The Environmental Protection (Duty of Care) Regs. 1992 (S I 1992: 2839),

The Manual Handling Operations Regs 1992 (S I 1992 : 2793),

The Hazardous Waste (England and Wales) Regulations 2005 [SI 2005 : 894]

The Hazardous Waste (England and Wales) Regulations 2005 (SI2005:894)

15.2

Chemical Safety Assessment:

No Chemical Safety Assessment has been carried out for this mixture by the supplier.

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Section 16, other information.**16.1****Text of H-phrase referred to but, not reproduced in full in Sections 2 and 3:**

H304: May be fatal if swallowed and enters airways.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H336: May cause drowsiness and dizziness.

H351: Suspected of causing cancer.

H411: Toxic to aquatic life with long lasting effects'

16.2**Other information.**

The mixture(s) referred to in this SDS have been classified according to the CLP regulations by the conventional (calculation) method through the use of (commercially available) Gobar Haz-Mix software program.

The SDS layout and wording is derived from the CEPE Guideline on Safety Data Sheets for the paint industry –Edition 10, Issued 18th Dec.2014 and the CEPE basic phrase catalogue for SDS-01-CEPE model safety data sheet. Amendment and additions have been taken from ECHA – SDS Guide version 3.1. and Regulation (EC) 2015/830

Section 1 information regarding National Poison Centre codes and descriptions is taken from ECHA publication European product categorization system (EuPCS) v.1.0.

Section 7 information is taken from ECHA publication: Guidance on Information Requirements and Chemical Safety Assessment Chapter R.12: Use description Version 3.0 - December 2015.

Section 8 information regarding SWED & SUMI is taken from CEPE Guidance Note-Downstream Communication of Safe Use Information for Mixtures Edn.1, April 2017.

This data sheet format constitutes H.S.R - Version 4.0

The information contained herein is based upon the present state of our knowledge.

The product should not be used for purposes other than in Sec 1, without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use are outside the suppliers control, the user is responsible for ensuring that the relevant legislative requirements are complied with.

The information given herewith is based on the present state of knowledge and current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for particular applications.

Further information can be found in:

COSHH Essentials; easy steps to control chemicals, (HSG 193)

ACoP – DSEAR [L138]

A Guide to Working with solvents. (INDG 272)

Chemical Warehousing: The Storage of Packaged Dangerous Substances. (HSG 71)

Chemical Warehousing: Storage of Flammable Liquids in Containers, (HSG 51)

HSE website www.hse.gov.uk

Obtained from H S E Books and / or the Stationery Office (HMSO).

16.3**Record of Change.**

SDS Format 4./Issue 2/ June 2020 replaces all previous issues.

Includes changes to Section: 1.2;1.3; 3.0; 5.1; 5.3; 6.1; 6.3; 7.3; 8.1; 8.2; 11.2; 16.3; 16.4

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16.4**Annex-1****Safe Use of Mixture Information sheet (SUMI)**

Applicable	SUMI – Doc. Ref:	Short Title	Application description	Notes.
	CEPE-IS-01	Industrial spray painting, enclosed.	Paint application on an industrial line with fully-enclosed spraying.	
	CEPE-IS-02	Industrial spray painting, walk-in booth.	Paint application on an industrial line with walk-in spray booth.	
	CEPE-IS-03	Industrial spray painting, no booth.	Paint application on an industrial line with no enclosure (only local exhaust ventilation).	
	CEPE-IS-04	Industrial low-energy painting, enclosed.	Paint application on an industrial scale by brush, roller, dipping, spreading, coil, fluidised bed or curtain coating (enclosed application).	
X	CEPE-IS-05	Industrial low-energy painting, no booth.	Paint application on an industrial line by brush, roller, dipping, spreading, coil, fluidised bed or curtain coating (Local exhaust ventilation only).	
X	CEPE-PW-01	Professional spray painting, near-industrial setting.	Indoor spray painting by professionals with efficient ventilation such as spray booth or local exhaust ventilation.	Indoor
X	CEPE-PW-02	Professional low-energy painting, near industrial setting	Indoor painting by professionals with brush, roller, putty-knife, etc. with enhanced ventilation or local exhaust ventilation.	Indoor
	CEPE-PW-03a	Professional spray painting, indoor (level-1)	Indoor spray painting by professionals for general applications (e.g. decorative) with general room ventilation only (open doors/windows).	Indoor
	CEPE-PW-03b	Professional spray painting, indoor (level-2)	Indoor spray painting by professionals for specialist applications with good general room ventilation plus respiratory protection.	Indoor
X	CEPE-PW-04	Professional painting, indoor brush/roller	Indoor painting by professionals with brush or roller with good general room ventilation (open doors/windows).	Indoor
	CEPE-PW-05a	Professional spray painting, outdoor (level-1).	Outdoor spray painting by professionals for general applications (e.g. decorative).	Outdoor
X	CEPE-PW-05b	Professional spray painting, outdoor (level-2).	Outdoor spray painting by professionals for specialist applications with respiratory protection.	Outdoor
X	CEPE-PW-06	Professional painting, outdoor brush / roller.	Outdoor painting by professionals with brush / roller.	Outdoor

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd Catherine Street. Birmingham, West Midlands. B6 5RS.
Title: Industrial low-energy painting, no booth.	Document Ref: Kolorklad 01 - 01

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Paint application on an industrial line by brush, roller, dipping, spreading, coil, fluidised bed or curtain coating (Local exhaust ventilation only).

This safe use information is linked to SWED Ref: CEPE-IS-05.

Operational Conditions (OC)

Indoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Enhanced (mechanical) room ventilation	5-10
Loading of application equipment and handling of coated parts before cure	Enhanced (mechanical) room ventilation	5-10
Application	Local exhaust ventilation	Refer to relevant technical standards,
Drying / curing	Enhanced (mechanical) room ventilation	5-10
Application equipment cleaning	Enhanced (mechanical) room ventilation	5-10
Waste management	Enhanced (mechanical) room ventilation	5-10

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

See chapter 8 of the Safety Data Sheet for specifications.



Disclaimer.

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd., Catherine Street. Birmingham, West Midlands. B6 5RS
Title: Professional spray painting, near-industrial setting.	Document Ref: Kolorklad-01 -02

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Indoor spray painting by professionals with efficient ventilation such as spray booth or local exhaust ventilation.

This safe use information is linked to SWED Ref: CEPE-PW-05.

Operational Conditions (OC)

Indoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Enhanced (mechanical) room ventilation	5-10
Loading of application equipment and handling of coated parts before cure	Enhanced (mechanical) room ventilation	5-10
Application	Local exhaust ventilation spray booth or equivalent	Refer to relevant technical standards,
Drying / curing	Enhanced (mechanical) room ventilation	5-10
Application equipment cleaning	Enhanced (mechanical) room ventilation	5-10
Waste management	Enhanced (mechanical) room ventilation	5-10

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	Wear a respirator conforming to EN140with an assigned protection factor of at least 10	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd Catherine Street Birmingham West Midlands	B6 5RS
Title: Professional low-energy painting, near industrial setting		Document Ref: Kolorklad-01-03

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Indoor painting by professionals with brush, roller, etc. with enhanced ventilation or local exhaust ventilation.

This safe use information is linked to SWED Ref: Kolorklad-01.

Operational Conditions (OC)

Indoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Enhanced (mechanical) room ventilation	5-10
Loading of application equipment and handling of coated parts before cure	Enhanced (mechanical) room ventilation	5-10
Application	Local exhaust ventilation	Refer to relevant technical standards,
Drying / curing	Enhanced (mechanical) room ventilation	5-10
Application equipment cleaning	Enhanced (mechanical) room ventilation	5-10
Waste management	Enhanced (mechanical) room ventilation	5-10

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	Wear a respirator to EN140 with an assigned protection factor of at least 10	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd Catherine Street Birmingham West Midlands. B6 5RS.
Title: Professional painting, indoor brush/roller	Document Ref: Kolorklad 01 - 04

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Indoor painting by professionals with brush or roller with good general room ventilation (open doors/windows).

This safe use information is linked to SWED Ref: Kolorklad 01

Operational Conditions (OC)

Indoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Good general room ventilation (e.g. open windows)	3-5
Loading of application equipment and handling of coated parts before cure	Good general room ventilation (e.g. open windows)	3-5
Application	Good general room ventilation (e.g. open windows)	3-5
Drying / curing	Good general room ventilation (e.g. open windows)	3-5
Application equipment cleaning	Good general room ventilation (e.g. open windows)	3-5
Waste management	Good general room ventilation (e.g. open windows)	3-5

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd Catherine Street. Birmingham West Midlands. B6 5RS.
Title: Professional spray painting, outdoor (level-2).	Document Ref: Kolorklad 01 - 05

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Outdoor spray painting by professionals for specialist applications with respiratory protection.

This safe use information is linked to SWED Ref: Kolorklad 01

Operational Conditions (OC)

Outdoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Outdoors	3-5
Loading of application equipment and handling of coated parts before cure	Outdoors	3-5
Application	Outdoors	3-5
Drying / curing	Outdoors	3-5
Application equipment cleaning	Outdoors	3-5
Waste management	Outdoors	3-5

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	Wear a respirator conforming to EN140 with an assigned protection factor of at least 10	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

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SUMI Safe Use of Mixtures Information for end-users.	Technispray Paints Ltd, Catherine Street. Birmingham West Midlands. B6 5RS.
Title: Professional painting, outdoor brush / roller.	Document Ref: Kolorklad 01 -06

This document is intended to communicate the conditions of safe use for the product and should always be read in combination with the product's Safety Data Sheet and Labels.

General description of the process covered.

Outdoor painting by professionals with brush / roller.

This safe use information is linked to SWED Ref: CEPE-PW-06

Operational Conditions (OC)

Outdoor use.

Maximum duration of individual exposure: covers daily use up to 8 hrs per day, 225 days per year.

Risk Management Measures (RMM)

Contributing Activity	Ventilation	Ventilation-air changes/hr
Preparation of material for application	Outdoors	3-5
Loading of application equipment and handling of coated parts before cure	Outdoors	3-5
Application	Outdoors	3-5
Drying / curing	Outdoors	3-5
Application equipment cleaning	Outdoors	3-5
Waste management	Outdoors	3-5

Contributing activity	Respiratory	Eye	Hands
Preparation of material for application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Loading of application equipment and handling of coated parts before curing	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Application	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Drying /curing	None	None	None
Application equipment cleaning	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374
Waste management	None	Use eye protection according to EN 166	Wear suitable gloves tested to EN 374

See chapter 8 of the Safety Data Sheet for specifications.



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