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Tel.: +44 (0)1782 454499 (Office Hours)

Safety data sheet according to 1907/2006/EC, Article 31

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

- · 1.1 Product identifier
- · Trade name: Fantom Clear CX Satin UFI: 5TER-CXWW-G109-1VAW
- · 1.2 Relevant identified uses of the substance or mixture and uses advised against
- · Sector of Use

SU3 Industrial uses: Uses of substances as such or in preparations at industrial sites

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)

· Application of the substance / the mixture:

painting

FOR PROFESSIONAL USE ONLY

- · Uses advised against Consumer uses: Private households / general public / consumers
- · 1.3 Details of the supplier of the safety data sheet
- · Manufacturer/Supplier:

Easy Composites Ltd

Unit 39, Park Hall Business Village

Stoke-on-Trent ST3 5XA

United Kingdom E-mail: sales@easycomposites.com

- · Further information obtainable from: Product safety department
- · 1.4 Emergency telephone number: +44 (0)1782 454499 (Office Hours)
- · national:

National Poisons Information Service, Birmingham

Tel.: 844 892 0111

· K-Nr. 0001

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008



4 11 11222

Aerosol 1 H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.



Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction. STOT SE 3 H336 May cause drowsiness or dizziness.

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

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· 2.2 Label elements

· Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the GB CLP regulation.

· Hazard pictograms



GHS02



· **Signal word** Danger

· Hazard-determining components of labelling:

Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate)

ace to ne

n-butyl acetate

Solvent naphtha (petroleum), light arom. Benzene < 0.1~% Reaktionsgemisch von Pentamethyl-piperidyl-sebacat

2,3-epoxypropyl neodecanoate

· Hazard statements

H222 Extremely flammable aerosol.

H229 Pressurised container: May burst if heated.

H319 Causes serious eye irritation.

H317 May cause an allergic skin reaction.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P103 Read carefully and follow all instructions.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment. P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P312 Call a POISON CENTER/doctor if you feel unwell.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

P501 Dispose of contents/container in accordance with local/regional/national/international

regulations.

$\cdot \textit{Additional information:}$

Without adequate ventilation, explosive atmosphere/gas mix may be created.

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. EUH204 Contains isocyanates. May produce an allergic reaction.

· 2.3 Other hazards

· Results of PBT and vPvB assessment

- · **PBT**: Not applicable.
- · vPvB: Not applicable.

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SECTION 3: Composition/information on ingredients

- · 3.2 Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 115-10-6 EINECS: 204-065-8 Reg.nr.: 01-2119472128-37-xxxx	dimethyl ether Flam. Gas 1A, H220; Press. Gas (Comp.), H280, EUH018	25-<50%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49-xxxx	acetone	10-<25%
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29-xxxx	n-butyl acetate Flam. Liq. 3, H226; STOT SE 3, H336, EUH066	10-<25%
CAS: 28182-81-2 NLP: 500-060-2 Reg.nr.: 01-2119485796-17-xxxx	Aliphatisches Polyisocyanat (HDI oligomers, isocyanurate) Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Sens. 1, H317; STOT SE 3, H335, EUH204	5-<10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35-xxxx	Solvent naphtha (petroleum), light arom. Benzene < 0,1 % Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335; STOT SE 3, H336	1-<2.5%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119488216-32-xxxx	xylene, mixture of isomers ♠ Flam. Liq. 3, H226; ♠ STOT RE 2, H373; Asp. Tox. 1, H304; ♠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	1-<2.5%
EC number: 915-687-0 Reg.nr.: 01-2119491304-40-xxxx	Reaktionsgemisch von Pentamethyl-piperidyl-sebacat Repr. 2, H361; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	≥0.1-<0.25
CAS: 26761-45-5 EINECS: 247-979-2 Reg.nr.: 01-2119431597-33-xxxx	2,3-epoxypropyl neodecanoate ♦ Muta. 2, H341; ♦ Aquatic Chronic 2, H411; ♦ Skin Sens. 1, H317	≥0.1-<0.25

· Additional information: For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation:

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- · After skin contact: Immediately wash with water and soap and rinse thoroughly.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- · After swallowing: If symptoms persist consult doctor.
- · 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- · 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media -
- · Suitable extinguishing agents: Cool container whit water

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- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Wear protective equipment. Keep unprotected persons away.

· 6.2 Environmental precautions:

Do not allow product to reach sewage system or any water course.

Inform respective authorities in case of seepage into water course or sewage system.

Do not allow to enter sewers/ surface or ground water.

· 6.3 Methods and material for containment and cleaning up:

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

· 6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage

· 7.1 Precautions for safe handling

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

· Information about fire - and explosion protection:

Do not spray onto a naked flame or any incandescent material.

Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles:

Observe official regulations on storing packagings with pressurised containers.

- · Information about storage in one common storage facility: Not required.
- · Further information about storage conditions: None.
- · 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

· 8.1 C	ontrol parameters
· Ingre	dients with limit values that require monitoring at the workplace:
115-1	0-6 dimethyl ether
WEL	Short-term value: 958 mg/m³, 500 ppm
	Long-term value: 766 mg/m³, 400 ppm
67-64	i-1 acetone

WEL	Short-term value: 3620 mg/m³, 1500 ppm
	Long-term value: 1210 mg/m³, 500 ppm

123-86-4 n-butyl acetate

WEL Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm

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1330-20-7 xylene, mixture of isomers

WEL Short-term value: 441 mg/m³, 100 ppm Long-term value: 220 mg/m³, 50 ppm

Sk; BMGV

· Ingredients with biological limit values:

1330-20-7 xylene, mixture of isomers

BMGV 650 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: methyl hippuric acid

- · Additional information: The lists valid during the making were used as basis.
- · 8.2 Exposure controls
- · Appropriate engineering controls No further data; see item 7.
- · Individual protection measures, such as personal protective equipment
- · General protective and hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes.

Avoid contact with the eyes and skin.

· Respiratory protection:



When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Half mask with combination filter, class A1P2 minimum, or breathing mask with outer air supply.

· Hand protection

Protective gloves



The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- · Material of gloves Nitrile rubber, NBR
- · Penetration time of glove material

Gloves must be changed after every contamination.

The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:

butyl rubber, 0,7mm

· Eye/face protection

Safety glasses



Tightly sealed goggles

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SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

· Colour: According to product specification

· Odour: Characteristic · Odour threshold: Not determined. · Melting point/freezing point: Undetermined.

· Boiling point or initial boiling point and boiling

-24.9 °C · Flammability Not applicable.

· Lower and upper explosion limit

1.2 Vol % (123-86-4 n-butyl acetate) · Lower: 18.6 Vol % (115-10-6 dimethyl ether) · Upper:

<0 °C · Flash point: 235 °C · Ignition temperature:

Not determined. · Decomposition temperature: $\cdot pH$ Not determined.

· Viscosity:

· Kinematic viscosity Not determined. · Dynamic: Not determined.

· Solubility

· water: Not miscible or difficult to mix.

· Partition coefficient n-octanol/water (log value) Not determined.

· Vapour pressure at 20 °C: 3,400 hPa (115-10-6 dimethyl ether)

· Density and/or relative density

· Relative density Not determined. · Vapour density Not determined.

· 9.2 Other information

· Appearance:

· Form: Aerosol

· Important information on protection of health and environment, and on safety.

· Auto-ignition temperature: Product is not selfigniting.

· Explosive properties: Product is not explosive. However, formation of

explosive air/vapour mixtures are possible.

Not determined.

· Solvent content:

78.8 % · Organic solvents:

With propellant gas. Content given by weight.

 \cdot VOC (EU) 78.76 % 20.3 % · Solids content:

· Change in condition

Not applicable. · Evaporation rate

· Information with regard to physical hazard classes

Void · Explosives · Flammable gases Void

Extremely flammable aerosol. Pressurised container: · Aerosols

May burst if heated.

Void · Oxidising gases Void · Gases under pressure Void · Flammable liquids · Flammable solids Void · Self-reactive substances and mixtures Void

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· Pyrophoric liquids	Void	
· Pyrophoric solids	Void	
· Self-heating substances and mixtures	Void	
· Substances and mixtures, which emit flamm	able	
gases in contact with water	Void	
· Oxidising liquids	Void	
· Oxidising solids	Void	
· Organic peroxides	Void	
· Corrosive to metals	Void	
· Desensitised explosives	Void	

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- · 10.5 Incompatible materials: No further relevant information available.
- · 10.6 Hazardous decomposition products: No dangerous decomposition products known.

SECTION 11: Toxicological information

- · 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- · Acute toxicity

· LD/LC50) values	relevant	for cl	lassification:
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ATE (Acute Toxicity Estimates)

 Dermal
 LD50
 34,087 mg/kg (rabbit)

 Inhalative
 LC50/4 h
 25.6 mg/l

- · Serious eye damage/irritation Causes serious eye irritation.
- · Respiratory or skin sensitisation May cause an allergic skin reaction.
- · STOT-single exposure May cause drowsiness or dizziness.
- · 11.2 Information on other hazards
- · Endocrine disrupting properties

None of the ingredients is listed.

SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- · 12.5 Results of PBT and vPvB assessment
- · **PBT**: Not applicable.
- · vPvB: Ikke relevant.
- · 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

- · 12.7 Other adverse effects
- · Remark: Harmful to fish

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- · Additional ecological information:
- · General notes:

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water Harmful to aquatic organisms

SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

CHOMICA	1 4 70		
SECTION	14. Trans	nort intorn	าสรากท
DECITOR	TI. TI COLOD		

· 14.1 UN number or ID number

· ADR, IMDG, IATA UN1950

· 14.2 UN proper shipping name

· ADR 1950 AEROSOLS · IMDG AEROSOLS

· IATA AEROSOLS, flammable

- · 14.3 Transport hazard class(es)
- $\cdot ADR$



· Class 2 5F Gases.

· Label 2

· IMDG, IATA



· Class
 · Label
 2.1 Gases.
 2.1

· 14.4 Packing group

· ADR, IMDG, IATA Void

not classified

· 14.5 Environmental hazards:

· Marine pollutant: No

· 14.6 Special precautions for user Warning: Gases.

Hazard identification number (Kemler code):

not classified F-D,S-U

EMS Number: F-D,S-U
 Stowage Code SW1 Protected from sources of heat.

SW2 Clear of living quarters.

• Segregation Code SG69 For AEROSOLS with a maximum capacity of 1

litre:

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FANTOM CLEAR

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	Segregation as for class 9. Stow "separated from" class except for division 1.4. For AEROSOLS with a capacity above 1 litre:
	Segregation as for the appropriate subdivision of class 2 For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of class 2
· 14.7 Maritime transport in bulk according	to IMO
instruments	Not applicable.
· Transport/Additional information:	
$\cdot ADR$	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0
· · ·	Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	IL
· Excepted quantities (EQ)	Code: E0
	Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1

SECTION 15: Regulatory information

- · 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture VOC: <840g/l
- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P3a FLAMMABLE AEROSOLS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t
- $\cdot \textit{Qualifying quantity (tonnes) for the application of upper-tier requirements} \ 500 \ t$
- · National regulations:
- · Technical instructions (air):

Class	Share in %
NK	50-100

- · Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.
- · 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H312 Harmful in contact with skin.

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	~	(Conta. of page))
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H332	Harmful if inhaled.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H341	Suspected of causing genetic defects.	
H361		
	Suspected of damaging fertility or the unborn child.	
H373	May cause damage to organs through prolonged or repeated exposur	re.
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
EUH0.	18 In use may form flammable/explosive vapour-air mixture.	
	66 Repeated exposure may cause skin dryness or cracking.	
	04 Contains isocyanates. May produce an allergic reaction.	
LUIIZ	04 Contains isocyanaies. May produce an altergic reaction.	
· Depart	tment issuing SDS: Product safety department	
	viations and acronyms:	
	ccord relatif au transport international des marchandises dangereuses par route (1	European Agreement Concerning the
	ional Carriage of Dangerous Goods by Road)	
IMDG: I	International Maritime Code for Dangerous Goods	
	nternational Air Transport Association	
	lobally Harmonised System of Classification and Labelling of Chemicals	
	E European Inventory of Existing Commercial Chemical Substances	
	: European List of Notified Chemical Substances	
	nemical Abstracts Service (division of the American Chemical Society) ethal concentration, 50 percent	
	ethal dose, 50 percent	
	ersistent, Bioaccumulative and Toxic	
	ery Persistent and very Bioaccumulative	
	as 1A: Flammable gases – Category 1A	
Aerosol	1: Aerosols – Category 1	
	ols – Category 3	
	Gas (Comp.): Gases under pressure – Compressed gas	
	iq. 2: Flammable liquids – Category 2	
	iq. 3: Flammable liquids – Category 3 ox. 4: Acute toxicity – Category 4	
	it. 2: Skin corrosion/irritation – Category 2	
	t. 2: Serious eye damage/eye irritation – Category 2	
	is. 1: Skin sensitisation – Category 1	
	ns. 1A: Skin sensitisation – Category 1A	
Muta. 2:	: Germ cell mutagenicity – Category 2	
	Reproductive toxicity – Category 2	
	E 3: Specific target organ toxicity (single exposure) – Category 3	
	E 2: Specific target organ toxicity (repeated exposure) – Category 2	
	x. 1: Aspiration hazard – Category 1 Acute 1: Hazardous to the aquatic environment, acute aquatic hazard. Category 1	
	Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1 Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Categor	v. 1
	Chronic 1. Hazardous to the aquatic environment - long-term aquatic hazard – Categor Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Categor	
	Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Categor	
	compared to the previous version altered.	•
	A	