

1. IDENTIFICATION OF THE SUBSTRATE/PREPARATION AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name/designation: Caltech QC Metal Primer

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

Relevant identified uses: Base coat.

Recommended restrictions: Reserved for industrial and professional use.

1.3 Supplier details

Alumasc Building Products Ltd
White House Works, Bold Road, Sutton, St Helens, Merseyside, United Kingdom, WA9 4JG
Tel: +44 (0)1744 648400
e-mail: technical@alumascroofing.com

1.4 Emergency telephone number

Association / Organisation: National Poisons Information Service
Emergency telephone numbers: 0344 892 0111 (Healthcare professionals only)
Other emergency telephone numbers Alumasc Building Products: +44 17 4464 8400
(Mon-Thurs – 08.30-17.00 Fri – 08.30-16.00)

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP][1]:

Flam. Liq. 2; H225 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H335 STOT SE 3; H336 STOT RE 2; H373.

2.2 Label elements

Hazard pictures:



Signal word:

Danger.

Hazardous component(s) to be indicated on label:

N-Butyl Acetate, Xylene, 2-Methoxy-1-Methylethyl Acetate, Butan-1-OL.

Hazard statements:

H225: Highly flammable liquid and vapour.
H315: Causes skin irritation.
H318: Causes serious eye damage
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.

Precautionary statements prevention:

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Precautionary statements response:

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P314: Get medical advice/attention if you feel unwell.

Precautionary statements disposal: P501: Dispose of contents/container to authorised hazardous or special waste collection point in accordance with any local regulation.

2.3 Other hazards

Not available.

3. COMPOSITION AND INFORMATION ABOUT THE COMPONENTS

3.1 Substances

See 'Composition on ingredients' in Section 3.2.

3.2 Mixtures

Other data:

This mixture contains $\geq 1\%$ titanium dioxide (CAS 13463-67-7) The Annex VI classification of Titanium dioxide does not apply to this mixture according to its Note 10.

Ingredient	Numbers	Classification (EC) 1272/2008	Concentration
N-Butyl Acetate	CAS No: 123-86-4 EC-No: 204-658-1 Index-No: 607-025-00-1 REACH No: 01-2119485493-29-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	45.0 - 50.0 % by weight
Xylene	CAS No: 1330-20-7 EC-No: 215-535-7 Index-No: 601-022-00-9 REACH No: 01-2119488216-32-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H312 Acute Tox. 4; H332 Skin Irrit. 2; H315 Eye Irrit. 2; H319 STOT SE 3; H335 STOT RE 2; H373 Asp. Tox. 1; H304	20.0 - 25.0 % by weight
2-Methoxy-1-Methylethyl Acetate	CAS No: 108-65-6 EC-No: 203-603-9 Index-No: 607-195-00-7 REACH No: 01-2119475794-29-XXXX	Flam. Liq. 3; H226 STOT SE 3; H336	5.0 - 10.0 % by weight
Butan-1-ol	CAS No: 71-36-3 EC-No: 200-751-6 Index-No: 603-004-00-6 REACH No: 01-2119484630-38-XXXX	Flam. Liq. 3; H226 Acute Tox. 4; H302 STOT SE 3; H335 Skin Irrit. 2; H315 Eye Dam. 1; H318 STOT SE 3; H336	5.0 - 10.0 % by weight

4. FIRST AID MEASURES

4.1 Description of first aid measures

General advice: Move out of dangerous area.
Take off all contaminated clothing immediately.
Do not leave the victim unattended.
Show this safety data sheet to the doctor in attendance.

Eye contact: In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Skin contact: Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
If skin irritation occurs, get medical advice/ attention.

Inhalation: Move to fresh air. If symptoms persist, call a physician.
Show this safety data sheet to the doctor in attendance.

Ingestion: Rinse mouth. Do NOT induce vomiting.
Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

See Section 11.

4.3 Indication of any immediate medical attention and special treatment needed.

Immediate medical attention. Treat symptomatically.

5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media:

Carbon dioxide (CO₂), Foam, Water spray, Dry powder.

Extinguishing media which must not be used for safety reasons:

High volume water jet.

5.2 Special hazards arising from the substance or mixture

Special exposure hazards arising from the substance or preparation itself, its combustion products, or released gases:

Violent polymerization may be caused by: Extremes of temperature and direct sunlight.

Fire will produce dense black smoke containing hazardous combustion products (see Section 10).

Exposure to decomposition products may be a hazard to health.

5.3 Advice for fire-fighters

Special protective equipment for firefighting:

In the event of fire, wear self-contained breathing apparatus.

Additional information on firefighting:

Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Do not allow run-off from fire-fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

Pay attention to the spreading of gases especially at ground level (heavier than air) and to the direction of the wind.

Use personal protective equipment.

6.2 Environmental Precautions

Prevent further leakage or spillage if safe to do so.

Do not flush into surface water or sanitary sewer system.

Avoid subsoil penetration.

6.3 Methods and material for containment and cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Clean contaminated surface thoroughly.

Treat recovered material as described in the section "Disposal considerations".

6.4 Reference to other sections

Disposal considerations see also Section 13.

6.5 Additional information

Treat recovered material as described in the section "Disposal considerations".

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Safe handling:

Processing may lead to evolution of flammable volatiles. In case of insufficient ventilation, wear suitable respiratory equipment.

Keep product and empty container away from heat and sources of ignition.
Handle and open container with care.
Avoid contact with skin and eyes.

Precautions:

Smoking, eating and drinking should be prohibited in the application area.
For personal protection see Section 8.
Observe label precautions.

Advice on protection against fire and explosion:

Take precautionary measures against static discharges.
Vapours may form explosive mixture with air.
Use water spray to cool unopened containers.

7.2 Conditions for safe storage, including any incompatibilities

Suitable container:

Keep in properly labelled containers.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Storage incompatibility:

Store in accordance with the particular national regulations.
Keep in a cool, well-ventilated place.
Keep in an area equipped with solvent resistant flooring.

TRGS 510:

3.

Recommended storage temperature:

Keep in a dry, cool place.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

N-Butyl Acetate:

Great Britain				
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Source
150	724	200	966	EH40/2005 Workplace exposure limits (2011)

Europe					
Long-term exposure value/ mg/ m3	Long-term exposure value/ ppm	Short-term exposure value / mg/ m3	Short-term exposure value / ppm	Issuing date	Source
241	50	723	150	2019/1831	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
35,7 mg/m³	Workers	Inhalable fraction	Long term effects systemic	Company data
11 mg/kg	Workers	Dermal exposure	Long term effects systemic	Company data

PNEC	Exposure route	Source
0,18 mg/l	Freshwater	Company data
0,018 mg/l	Marine water	Company data
35,6 mg/l	Waste water treatment	Company data
0,981 mg/kg	Freshwater sediment	Company data
0,0981 mg/kg	Marine sediment	Company data
0,0903 mg/kg	Soil	Company data

Xylene:

Great Britain				
	Parameter	Test material	Sampling time	Source
650 mmol/mol Creatinine	Methyl Hippuric Acid	Urine	End of shift	EH40/2005 Workplace exposure limits (2011)

Great Britain					
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
50	220	100	441	Sk, BMGV	EH40/2005 Workplace exposure limits (2011)

Europe						
Long-term exposure value / mg/m3	Long-term exposure value / ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Note	Issuing date	Source
221	50	442	100	Skin	2000/39	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
77 mg/m³	Workers	Inhalation	Long term effects systemic Local	Company data
289 mg/m³	Workers	Inhalation	Short term effects systemic Local	Company data
174 mg/m³	Workers	Dermal	Short term effects Local	Company data
174 mg/m³	Consumers	Inhalation	Short-term effects Local + systemic	Company data
14,8 mg/m³	Consumers	Inhalation	Long term effects, systemic	Company data
1,6 mg/kg	Consumers	Oral	Long term effects, systemic	Company data
108 mg/kg	Consumers	Dermal	Long term effects systemic	Company data

PNEC	Exposure route	Source
0,327 mg/l	Freshwater	Company data
12,46 mg/kg	Freshwater sediment	Company data
2,31 mg/kg	Soil	Company data
6,58 mg/l	Waste water treatment	Company data

2-Methoxy-1-Methylethyl Acetate:

Great Britain					
Long term exposure value/ ppm	Long term exposure value/ mg/m3	Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
50	274	100	548	Sk	EH40/2005 Workplace exposure limits (2011)

Europe						
Long-term exposure value / mg/m3	Long-term exposure value / ppm	Short-term exposure value / mg/m3	Short-term exposure value / ppm	Note	Issuing date	Source
275	50	550	100	Skin	2000/39	DIRECTIVE 2009/161/EU

DNEL	Target group	Exposure route	Exposure frequency	Source
275 mg/m³	Workers	Inhalable fraction	Long term effects systemic	Company data
796 mg/kg	Workers	Dermal	Long term effects systemic	Company data
33 mg/m³	Consumers	Inhalation	Long term effects systemic	Company data
320 mg/kg	Consumers	Dermal	Long term effects systemic	Company data
36 mg/kg	Consumers	Oral	Long term effects systemic	Company data

PNEC	Exposure route	Source
0,635 mg/l	Freshwater	Company data
0,0064 mg/l	Seawater	Company data
6,35 mg/l	Continuous release	Company data
100 mg/l	Waste water pretreatment	Company data
0,329 mg/kg	Marine sediment	Company data
0,29 mg/kg	Soil	Company data
3,29 mg/kg	Freshwater sediment	Company data

Butan-1-OL:

Great Britain			
Short term exposure value / ppm	Short term exposure value / mg/m3	Note	Source
50	154	Sk	EH40/2005 Workplace Exposure limits (2011)

DNEL	Target group	Exposure route	Exposure frequency	Source
310 mg/m³	Workers	Inhalation	Long term effects local	Company data

PNEC	Exposure route	Source
2,25 mg/l	Continuous release / Freshwater	Company data
8,2 µg/l	Seawater	Company data
2476 g/l	Waste water treatment	Company data
324 µg/kg	Freshwater sediment	Company data
32,4 µg/kg	Marine sediment	Company data

8.2 Exposure controls

8.2.1. Appropriate engineering Controls:	Ensure adequate ventilation, especially in confined areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
8.2.2. Personal protection:	
Eye and face protection:	Tightly fitting safety goggles.
Skin protection:	Wear suitable protective equipment. Long sleeved clothing
Hands/feet protection:	Protective gloves complying with EN 374. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Unsuitable material Woven fabric, leather gloves Suitable material Nitriles Material thickness 0,38 mm Break through time <25 min
Body protection:	Long sleeved clothing
Respiratory protection:	Vapour during processing may be irritating to the respiratory tract and to the eyes. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Remarks:	Recommended Filter type: A2. Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).
General protective and hygiene measures:	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and at the end of workday. Use protective skin cream before handling the product. Avoid contact with the skin and the eyes.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Important health, safety and environmental information

Physical state:	Liquid	Density [g/cm³]	1,15 g/cm3
Form:	Liquid	Explosion limits [Vol-%]	
Colour:	Grey	Lower Explosive Limit (%):	1,1 %
Odour:	Weak like solvent	Upper Explosive Limit (%):	9,4 %
Odour threshold:	Not available	Vapour pressure (kPa):	6,7 hPa
pH (as supplied):	Not available	Vapour density (Air = 1):	>1
Melting point/freezing point (°C):	Not determined	Auto-ignition temperature (°C):	Not auto-flammable
Boiling point (°C):	116°C	Water solubility [g/l]	Not miscible
Flash point (°C):	22,5°C	Viscosity kinematic [mm²/s]	35 s
Evaporation rate [kg/(s m²)]:	0,2	Explosive properties	In use, may form flammable/explosive vapour-air mixture.

9.2 Other information

Flow time[s]: 75-85 sec.
Measuring method: DIN cup 6 mm.

10. STABILITY AND REACTIVITY

10.3 Possibility of hazardous reactions

Risk of violent reaction.

10.4 Conditions to avoid

Heat, flames and sparks.

10.5 Incompatible materials

Strong oxidizing agents, Strong acids and strong bases, Alkali metals.

11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Oral toxicity [mg/kg]:

Hazardous ingredients:

N-Butyl Acetate			
Value	Test criterion	Test species	Source
10760 mg/kg	LD50	Rat	Company data

Xylene			
Value	Test criterion	Test species	Source
4300 mg/kg	LD50	Rat	Company data

2-Methoxy-1-Methylethyl Acetate			
Value	Test criterion	Test species	Source
8532 mg/kg	LD50	Rat	Company data

Butan-1-OL			
Value	Test criterion	Test species	Source
2292 mg/kg	LD50	Rat	Company data

Dermal toxicity [mg/kg]:

Hazardous ingredients:

N-Butyl Acetate				
Value	Test criterion	Test species	Measuring method	Source
14112 mg/kg	LD50	Rabbit	OECD Test Guideline 402	Company data

Xylene			
Value	Test criterion	Test species	Source
12126 mg/kg	LD50	Rabbit	Company data

2-Methoxy-1-Methylethyl Acetate			
Value	Test criterion	Test species	Source
5000 mg/kg	LD50	Rat	Company data

Butan-1-Ol			
Value	Test criterion	Test species	Source
3434 mg/kg	LD50	Rabbit	Company data

Inhalative toxicity [mg/l]:

Hazardous ingredients:

2-ethylhexyl acrylate			
Value	Test species	Exposure duration [h]	Source
1,19 mg/l	Rat	8 hours	Company data

LC50 Inhalation 4h for vapours [mg/l]:

Hazardous ingredients:

2-Methoxy-1-Methylethyl Acetate				
Value	Test criterion	Test species	Exposure duration [h]	Source
23,8 mg/kg	LD50	Rat	6 h	Company data

Butan-1-Ol				
Value	Test criterion	Test species	Exposure duration [h]	Source
17,76 mg/l	LC0	Rat	4 h	Company data

LC50 Inhalation 4h for vapours [mg/l]:

Hazardous ingredients:

Xylene			
Value	Test criterion	Test species	Source
29,901 mg/l	LD50	Rat	Company data

LC50 Inhalation 4h for dusts and sprays [mg/l]:

Hazardous ingredients:

N-Butyl Acetate			
Value	Test criterion	Test species	Source
23,4 mg/kg	LD50	Rat	Company data

2-Methoxy-1-Methylethyl Acetate			
Value	Test criterion	Test species	Source
23,8 mg/l	LD50	Rat	Company data

Irritant effect on skin:

Hazardous ingredients:

N-Butyl Acetate	
Value	Source
No skin Irritation	Company data

Xylene	
Value	Source
Irritation	Company data

2-Methoxy-1-Methylethyl Acetate	
Value	Source
No skin irritation	Company data

Irritant effect on eyes:

Hazardous ingredients:

N-Butyl Acetate	
Value	Source
No eye irritation	Company data

Xylene	
Value	Source
Irritating causes serious eye irritation	Company data

Sensitization:

Hazardous ingredients:

N-Butyl Acetate		
Value	Measuring method	Source
No sensitization responses were observed	OECD Test Guideline 406	Company data

Xylene	
Value	Source
Negative	Company data

Carcinogenic effects:

Hazardous ingredients:

2-Methoxy-1-Methylethyl Acetate	
Value	Source
Did not show carcinogenic effects in animal experiments	Company data

Mutagenicity:

Hazardous ingredients:

N-Butyl Acetate		
Value	Measuring method	Source
Negative	Ames test	Company data

2-Methoxy-1-Methylethyl Acetate	
Value	Source
Did not show mutagenic effects in animal experiments	Company data

Reproduction toxicity:

Hazardous ingredients:

2-Methoxy-1-Methylethyl Acetate	
Value	Source
Did not show teratogenic effects in animal experiments	Company data

ATE (mix):

Oral [mg/kg]: 3873,87.
Dermal [mg/kg]: 3900,26.
Inhalative vapour [mg/l]: 44,00.

Dermal absorption data:

Hazardous ingredients:

Xylene	
Value	Source
Dermal absorption possible	Company data

2-Methoxy-1-Methylethyl Acetate	
Value	Source
Dermal absorption possible	Company data

Specific target organ toxicity (single exposure) [mg/kg]:

Hazardous ingredients:

N-Butyl Acetate	
Value	Source
H336: May cause drowsiness or dizziness	Company data

Xylene	
Value	Source
Causes respiratory tract irritation	Company data

Specific target organ toxicity (repeated exposure) [mg/kg]:

Hazardous ingredients:

N-Butyl Acetate	
Value	Source
No known effect	Company data

11.2 Additional information

Experience in practice:

Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Irritating to eyes, respiratory system and skin. Irritating to mucous membranes.

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish [mg/l]:

Hazardous ingredients:

N-Butyl Acetate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
18 mg/l	LC50	Pimephales promelas (fathead minnow)	OECD Test Guideline 203	96 h	Company data

Xylene				
Value	Test criterion	Test species	Exposure duration [h]	Source
2,6 mg/l	LC50	Oncorhynchus mykiss (rainbow trout))	96 h	Company data

2-Methoxy-1-Methylethyl Acetate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
>100 mg/l	LC50	Orange-red killifish	OECD Test Guideline 203	96 h	Company data

Butan-1-Ol			
Value	Test criterion	Exposure duration [h]	Source
1376 mg/l	LC50	4 day(s)	Company data

Toxicity to daphnia [mg/l]:

Hazardous ingredients:

N-Butyl Acetate				
Value	Test criterion	Test species	Exposure duration [h]	Source
44 mg/l	EC50	Daphnia magna (water flea)	48 h	Company data

Xylene				
Value	Test criterion	Test species	Exposure duration [h]	Source
1,1 mg/l	EC50	Daphnia magna (water flea)	48 h	Company data

2-Methoxy-1-Methylethyl Acetate					
Value	Test criterion	Test species	Exposure duration [h]	Measuring method	Source
>500 mg/l	EC50	Daphnia magna (water flea)	48 h	Directive 67/548/EEC, Annex V, C.2.	Company data

Butan-1-Ol				
Value	Test criterion	Exposure duration [h]	Source	
1328 g/l	EC50	21 day(s)	Company data	

Toxicity to algae [mg/l]:

Hazardous ingredients:

N-Butyl Acetate				
Value	Test criterion	Test species	Exposure duration [h]	Source
647 mg/l	EC50	Desmodesmus subspicatus	72 h	Company data

Xylene				
Value	Test criterion	Test species	Exposure duration [h]	Source
2,2 mg/l	ErC50	Algae (mg/l)	72 h	Company data

2-Methoxy-1-Methylethyl Acetate					
Value	Test criterion	Test species	Measuring method	Exposure duration [h]	Source
>1000 mg/l	EC50	Scenedesmus subspicatus	OECD Test Guideline 201	72 h	Company data

Butan-1-Ol				
Value	Test criterion	Exposure duration [h]	Source	
224 mg/l	EC50	72 h	Company data	

NOEC (algae) [mg/l]:

Hazardous ingredients:

Methyl Methacrylate		
Value	Test species	Source
200 mg/l	Desmodesmus subspicatus	Company data

12.2 Persistence and degradability

Biodegradability:

Hazardous ingredients:

N-Butyl Acetate				
Value	Duration	Measuring method	Remarks	Source
83 %	28 day(s)	OECD 301D/ EEC 92/69/V, C.4-E	Readily biodegradable	Company data

Butan-1-Ol	
Value	Source
Biodegradable	Company data

12.3 Bioaccumulation potential

Bioaccumulation:

Hazardous ingredients:

N-Butyl Acetate	
Value	Source
No data available	Company data

12.5 Results of PBT and vPvB assessment

This preparation contains no substance considered to be persistent, bioaccumulating nor toxic (PBT).

12.6 Other adverse effects

Further information on ecology:

We have no quantitative data concerning the ecological effects of this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal Considerations:	Disposal of this product and its packaging must comply with all applicable environmental protection and waste disposal legislation, including any requirements set by local authorities. Any unwanted or non-recyclable material should be disposed of through a licensed waste disposal contractor. Transportation of such waste may be subject to ADR (International Carriage of Dangerous Goods by Road) regulations and must be managed in accordance with those requirements.
Waste code:	Uncured product: 08 01 11* waste paint and varnish containing organic solvents or other hazardous substances. Cured product inert residue: 17 09 04 mixed construction and demolition wastes other than those mentioned in 17 09 01, 17 09 02 and 17 09 03 Empty metal paint tins with only hardened, inert residue: 15 01 04 metallic packaging.
Special precautions:	This material and its container must be disposed of in a safe way. Caution should be exercised when handling empty containers that have not been properly cleaned or rinsed, as they may retain hazardous residues. Spillage and wash water from cleaning tools must be prevented from entering soil, watercourses, drains, or sewer systems. Empty containers should be directed to authorised waste disposal or appropriate local recycling facilities.
Further information available via:	https://www.alumascroofing.com/downloads/disposal-guides/ 

14. TRANSPORT INFORMATION

Labels required:

	Land transport ADR/RID	Marine transport IMDG	Air transport ICAO/IATA
14.1 UN-No	1263	1263	1263
14.2 Description of the goods	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packaging group	III	III	III
Labels			
Risk No.	33		

Category	2		
Factor	3		
Classification code	F1		
SP 640	640C		
Tunnel restriction code	D/E		
EmS		F-E; S-E	
Stowage category		B	

14.7. Transport in bulk according to Annex II of MARPOL and the IBC code

Not applicable.

15. REGULATORY INFORMATION

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

Decopaint regulation:	Directive 2004/42/EC-IIA/i:500 g/l(2010). < =698 g/l VOC
Additional regulations:	Additionally, observe any national regulations!
Classification in compliance with the Industrial Safety Regulation:	Flammable.
GISCODE:	BSL60.
MAL-Code:	2-3.

16. OTHER INFORMATION

Full text Risk and Hazard codes:

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H302: Harmful if swallowed.
H304: May be fatal if swallowed and enters airways.
H312: Harmful in contact with skin.
H315: Causes skin irritation.
H318: Causes serious eye damage.
H319: Causes serious eye irritation.
H332: Harmful if inhaled.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H373: May cause damage to organs through prolonged or repeated exposure.

Wording of the hazard classes:

Flam. Liq.: Flammable liquid.
STOT SE: Specific target organ toxicity - single exposure.
Acute Tox.: Acute toxicity.
Skin Irrit.: Skin irritation.
Eye Irrit.: Serious eye irritation.
STOT RE: Specific target organ toxicity - repeated exposure.
Asp. Tox.: Aspiration hazard.
Eye Dam.: Serious eye damage.

Classification for mixtures and used evaluation method according to regulation (EC) 1272/2008 [CLP]:

Classification	Evaluation
Flam. Liq. 2; H225	Calculated
Skin Irrit. 2; H315	Calculated
Eye Dam. 1; H318	Calculated
STOT SE 3; H335	Calculated
STOT SE 3; H336	Calculated
STOT SE 2; H373	Calculated

SDS version summary:

Version	Date of Update	Section Updated
1.1	03/04/2023	Template Change
2.0	27/05/2025	Section 13 update

Other information:

The SDS is a Hazard Communication tool and should be used to assist in the Risk Assessment. Many factors determine whether the reported Hazards are Risks in the workplace or other settings. Risks may be determined by reference to Exposures Scenarios.

The contents and format of this SDS are in accordance with EEC Commission Directive 1999/45/EC, 67/548/EC, 1272/2008/EC and EEC Commission Regulation 1907/2006/EC (REACH) Annex II.

DISCLAIMER OF LIABILITY The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.