



SAFETY DATA SHEET

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

1.1. Product identifier

Trade name or designation of the mixture	EMI 35
Registration number	-
UFI:	MU5X-98DS-W00T-JP0A
Synonyms	None.
Product code	BDS002680BU
Issue date	16-January-2023
Version number	1.0
Revision date	16-January-2023

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

Identified uses	Conduction electric/thermal
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company name	CRC Industries Europe bv
Address	Touwslagerstraat 1 9240 Zele Belgium
Telephone	+32(0)52/45.60.11 hse@crcind.com www.crcind.com
Company name	CRC Industries UK Ltd.
Address	Wylds Road Castlefield Industrial Estate TA6 4DD Bridgwater Somerset United Kingdom
Telephone	+44 1278 727200
Fax	+44 1278 425644
E-mail	hse.uk@crcind.com
Website	www.crcind.com

1.4. Emergency telephone number Tel.:(+44)(0)1278 72 7200 (office hours: 9-17h CET)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

Classification according to Regulation (EC) No 1272/2008 as amended

Physical hazards

Flammable liquids	Category 2	H225 - Highly flammable liquid and vapour.
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Health hazards

Serious eye damage/eye irritation	Category 2	H319 - Causes serious eye irritation.
Specific target organ toxicity - single exposure	Category 3 narcotic effects	H336 - May cause drowsiness or dizziness.

Environmental hazards

Hazardous to the aquatic environment, acute aquatic hazard	Category 1	H400 - Very toxic to aquatic life.
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2.2. Label elements**Label according to Regulation (EC) No. 1272/2008 as amended****Contains:** n-butyl acetate, Propyl acetate**Hazard pictograms****Signal word**

Warning

Hazard statements

H225 Highly flammable liquid and vapour.
 H319 Causes serious eye irritation.
 H336 May cause drowsiness or dizziness.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements**Prevention**

P102 Keep out of reach of children.
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 Avoid breathing mist/vapours.
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.

Response

P370 + P378 In case of fire: Use appropriate media to extinguish.

Storage

Not assigned.

Disposal

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

Supplemental label information

EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
copper	50 - 75	7440-50-8 231-159-6	01-2119480154-42	029-024-00-X	#
Classification: Aquatic Acute 1;H400, Aquatic Chronic 2;H411					
Propyl acetate	25 - 50	109-60-4 203-686-1	01-2119484620-39	607-024-00-6	#
Classification: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336					
n-butyl acetate	5 - 10	123-86-4 204-658-1	01-2119485493-29	607-025-00-1	#
Classification: Flam. Liq. 3;H226, STOT SE 3;H336					
isopentyl acetate	1 - 5	123-92-2 204-662-3	01-2119548408-32	607-130-00-2	#
Classification: Flam. Liq. 3;H226					
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro-	0 - 1	95-38-5 202-414-9	01-2119777867-13	-	
Classification: Acute Tox. 4;H302, Skin Corr. 1;H314, Eye Dam. 1;H318, Aquatic Acute 1;H400(M=10), Aquatic Chronic 1;H410(M=1)					

List of abbreviations and symbols that may be used above

#: This substance has been assigned Union workplace exposure limit(s).

M: M-factor

PBT: persistent, bioaccumulative and toxic substance.

vPvB: very persistent and very bioaccumulative substance.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

Composition comments

The full text for all H-statements is displayed in section 16.

SECTION 4: First aid measures

General information	Take off all contaminated clothing immediately. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.
4.1. Description of first aid measures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison centre or doctor/physician if you feel unwell.
Skin contact	Take off immediately all contaminated clothing. Rinse skin with water/shower. Get medical attention if irritation develops and persists.
Eye contact	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
4.2. Most important symptoms and effects, both acute and delayed	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.
4.3. Indication of any immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Thermal burns: Flush with water immediately. While flushing, remove clothes which do not adhere to affected area. Call an ambulance. Continue flushing during transport to hospital. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards	Flammable liquid and vapour.
5.1. Extinguishing media	
Suitable extinguishing media	Alcohol resistant foam. Dry chemical powder. Carbon dioxide (CO ₂).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
5.2. Special hazards arising from the substance or mixture	Vapours may form explosive mixtures with air. Vapours may travel considerable distance to a source of ignition and flash back. During fire, gases hazardous to health may be formed.
5.3. Advice for firefighters	
Special protective equipment for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Special fire fighting procedures	In case of fire and/or explosion do not breathe fumes. Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Wear appropriate protective equipment and clothing during clean-up. Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
For emergency responders	Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Avoid breathing mist/vapours. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
6.2. Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
6.3. Methods and material for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil etc) away from spilled material. Take precautionary measures against static discharge. Use only non-sparking tools. Prevent entry into waterways, sewer, basements or confined areas. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water. Small Spills: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use.
6.4. Reference to other sections	For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight. When using do not smoke. Explosion-proof general and local exhaust ventilation. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use non-sparking tools and explosion-proof equipment. Avoid breathing mist/vapours. Avoid contact with eyes. Avoid prolonged exposure. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Keep away from heat, sparks and open flame. Prevent electrostatic charge build-up by using common bonding and grounding techniques. Store in a cool, dry place out of direct sunlight. Store in tightly closed container. Store in a well-ventilated place. Keep in an area equipped with sprinklers. Store away from incompatible materials (see Section 10 of the SDS).
Storage class (TRGS 510): 3 (Flammable liquids)

7.3. Specific end use(s)

Not available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value	Form
copper (CAS 7440-50-8)	STEL	2 mg/m ³	Inhalable dusts and mists.
	TWA	1 mg/m ³	Inhalable dusts and mists.
		0.2 mg/m ³	Fume.
isopentyl acetate (CAS 123-92-2)	STEL	541 mg/m ³	
		100 ppm	
	TWA	270 mg/m ³	
n-butyl acetate (CAS 123-86-4)	STEL	50 ppm	
		966 mg/m ³	
	TWA	200 ppm	
Propyl acetate (CAS 109-60-4)	STEL	724 mg/m ³	
		150 ppm	
	TWA	1060 mg/m ³	
		250 ppm	
	TWA	849 mg/m ³	
		200 ppm	

Biological limit values

No biological exposure limits noted for the ingredient(s).

Recommended monitoring procedures

Follow standard monitoring procedures.

Derived no effect levels (DNELs)

General population

Components	Value	Assessment factor	Notes	
copper (CAS 7440-50-8)				
	Short-term, Systemic, Dermal	273 mg/kg bw/day	50	Repeated dose toxicity
isopentyl acetate (CAS 123-92-2)				
	Long-term, Systemic, Dermal	1.47 mg/kg bw/day	200	Repeated dose toxicity
	Long-term, Systemic, Inhalation	5.1 mg/m ³		Repeated dose toxicity
n-butyl acetate (CAS 123-86-4)				
	Long-term, Local, Inhalation	35.7 mg/m ³	12	irritation respiratory tract
	Short-term, Local, Inhalation	300 mg/m ³		irritation respiratory tract
	Short-term, Systemic, Dermal	6 mg/kg bw/day	100	Neurotoxicity
Propyl acetate (CAS 109-60-4)				
	Long-term, Local, Inhalation	210 mg/m ³	2	Skin irritation/corrosion
	Short-term, Local, Inhalation	420 mg/m ³	2	Skin irritation/corrosion

Workers

Components	Value	Assessment factor	Notes
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5)			
Short-term, Systemic, Dermal	2 mg/kg bw/day	10	Repeated dose toxicity
Short-term, Systemic, Inhalation	14 mg/m ³	2.5	Repeated dose toxicity
copper (CAS 7440-50-8)			
Short-term, Systemic, Dermal	273 mg/kg bw/day	50	Repeated dose toxicity
isopentyl acetate (CAS 123-92-2)			
Long-term, Systemic, Dermal	2.95 mg/kg bw/day	100	Repeated dose toxicity
Long-term, Systemic, Inhalation	20.8 mg/m ³	25	Repeated dose toxicity
n-butyl acetate (CAS 123-86-4)			
Long-term, Local, Inhalation	300 mg/m ³	6	irritation respiratory tract
Long-term, Systemic, Dermal	7 mg/kg bw/day	25	Repeated dose toxicity
Short-term, Systemic, Dermal	11 mg/kg bw/day	50	Neurotoxicity
Short-term, Systemic, Inhalation	600 mg/m ³		irritation respiratory tract
Propyl acetate (CAS 109-60-4)			
Long-term, Local, Inhalation	420 mg/m ³	1	Skin irritation/corrosion
Short-term, Local, Inhalation	840 mg/m ³	1	Skin irritation/corrosion

Predicted no effect concentrations (PNECs)

Components	Value	Assessment factor	Notes
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5)			
Freshwater	0 mg/l	1000	
Sediment (freshwater)	0.376 mg/kg		
Soil	0.075 mg/kg		
STP	0.27 mg/l	100	
copper (CAS 7440-50-8)			
Freshwater	7.8 µg/l	1	
Sediment (freshwater)	87 mg/kg	1	
Soil	65 mg/kg	1	
STP	230 µg/l	1	
isopentyl acetate (CAS 123-92-2)			
Freshwater	0.022 mg/l	1000	
STP	100 mg/l	1	
n-butyl acetate (CAS 123-86-4)			
Freshwater	0.18 mg/l	100	
Sediment (freshwater)	0.981 mg/kg		
Soil	0.09 mg/kg		
Propyl acetate (CAS 109-60-4)			
Freshwater	0.06 mg/l	1000	
Sediment (freshwater)	0.16 mg/kg		
Soil	0.021 mg/kg		
STP	1 mg/l	10	

8.2. Exposure controls

Appropriate engineering controls

Explosion-proof general and local exhaust ventilation. Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

Individual protection measures, such as personal protective equipment

General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

Eye/face protection

Wear safety glasses with side shields (or goggles). Use eye protection conforming to EN 166.

Skin protection

- Hand protection

When handling the product wear chemical-resistant gloves (standard EN 374). The breakthrough time of the glove should be longer than the total duration of product use. If work lasts longer than the breakthrough time, gloves should be changed part-way through. Nitrile gloves are recommended. Suitable gloves can be recommended by the glove supplier.

- Other

Wear suitable protective clothing.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapour cartridge and full facepiece.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

Hygiene measures	When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.
Environmental exposure controls	Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state	Liquid.
Form	Not available.
Colour	Copper.
Odour	Characteristic odor.
Odour threshold	Not available.
pH	Not available.
Melting point/freezing point	-93 °C (-135.4 °F) estimated
Initial boiling point and boiling range	102 °C (215.6 °F)
Flash point	11.0 °C (51.8 °F) Closed cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	1 %
Explosive limit – upper (%)	10 %
Vapour pressure	Not available.
Vapour density	Not available.
Relative density	1.65 g/cm ³ at 20°C
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not applicable.
Auto-ignition temperature	> 150 °C (> 302 °F)
Decomposition temperature	Not available.
Viscosity	3000 - 6000 mPa·s at 20°C
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

9.2. Other information

VOC	36.4 %
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SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents. Nitrates.
10.6. Hazardous decomposition products	Not available.

SECTION 11: Toxicological information

General information	Occupational exposure to the substance or mixture may cause adverse effects.
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Information on likely routes of exposure

Inhalation	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Prolonged inhalation may be harmful.
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Skin contact	Based on available data, the classification criteria are not met.
Eye contact	Causes serious eye irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.
Symptoms	May cause drowsiness or dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision.

11.1. Information on toxicological effects

Acute toxicity Based on available data, the classification criteria are not met.

Components	Species	Test Results
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5)		
Acute		
Oral		
LD50	Rat	1265 mg/kg
copper (CAS 7440-50-8)		
Acute		
Dermal		
LD50	Rat	> 2000 mg/kg
Oral		
LD50	Rat	> 2500 mg/kg
isopentyl acetate (CAS 123-92-2)		
Acute		
Dermal		
LD50	Rabbit	> 5000 mg/kg
Oral		
LD50	Rabbit	7400 mg/kg
n-butyl acetate (CAS 123-86-4)		
Acute		
Dermal		
LD50	Rabbit	14122 mg/kg
Inhalation		
LC50	Rat	23.4 mg/l/4h
Oral		
LD50	Rat	14000 mg/kg
Propyl acetate (CAS 109-60-4)		
Acute		
Dermal		
LD50	Rabbit	> 17800 mg/kg
Oral		
LD50	Rat	8700 mg/kg
Skin corrosion/irritation	Based on available data, the classification criteria are not met.	
Serious eye damage/eye irritation	Causes serious eye irritation.	
Respiratory sensitisation	Based on available data, the classification criteria are not met.	
Skin sensitisation	Based on available data, the classification criteria are not met.	
Germ cell mutagenicity	Based on available data, the classification criteria are not met.	
Carcinogenicity	Based on available data, the classification criteria are not met.	
Reproductive toxicity	Based on available data, the classification criteria are not met.	
Specific target organ toxicity - single exposure	May cause drowsiness or dizziness.	
Specific target organ toxicity - repeated exposure	Based on available data, the classification criteria are not met.	
Aspiration hazard	Based on available data, the classification criteria are not met.	
Mixture versus substance information	Not available.	

SECTION 12: Ecological information

12.1. Toxicity Very toxic to aquatic life. Toxic to aquatic life with long lasting effects.

Components		Species	Test Results
1H-Imidazole-1-ethanol, 2-(8-heptadecenyl)-4,5-dihydro- (CAS 95-38-5)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	0.03 mg/l, 72 hours
Crustacea	EC50	Daphnia	0.163 mg/l, 48 hours
Fish	LC50	Fish	0.3 mg/l, 96 hours
copper (CAS 7440-50-8)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	> 0.1 - <= 1 mg/l, 72 hours
Crustacea	EC50	Daphnia	> 0.1 - <= 1 mg/l, 48 hours
Fish	LC50	Fish	0.193 mg/l, 96 hours
<i>Chronic</i>			
Crustacea	NOEC	Daphnia	> 0.1 - <= 1 mg/l, 21 days
Fish	NOEC	Fish	0.188 mg/l, 30 days
isopentyl acetate (CAS 123-92-2)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	450 mg/l, 72 hours
Crustacea	EC50	Daphnia	42 mg/l, 48 hours
Fish	LC50	Fish	> 22 - < 46 mg/l, 96 hours
n-butyl acetate (CAS 123-86-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	675 mg/l, 72 h
Crustacea	EC50	Daphnia	73 mg/l, 24 h
Fish	LC50	Fish	62 mg/l, 96 h
Propyl acetate (CAS 109-60-4)			
Aquatic			
<i>Acute</i>			
Algae	EC50	Algae	450 mg/l, 72 hours
Crustacea	EC50	Daphnia	318 mg/l, 24 hours
Fish	LC50	Fish	56 - 64 mg/l, 96 hours

12.2. Persistence and degradability No data is available on the degradability of any ingredients in the mixture.

12.3. Bioaccumulative potential

Partition coefficient n-octanol/water (log Kow)

isopentyl acetate	2.25
n-butyl acetate	1.78
Propyl acetate	1.24

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

12.5. Results of PBT and vPvB assessment This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

12.6. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Residual waste Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.
EU waste code	The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.
Disposal methods/information	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.
Special precautions	Dispose in accordance with all applicable regulations.

SECTION 14: Transport information

ADR

14.1. UN number	UN1263
14.2. UN proper shipping name	Paint (Copper)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
Hazard No. (ADR)	33
Tunnel restriction code	D/E
ADR/RID - Classification code:	F1
14.4. Packing group	II
14.5. Environmental hazards	yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN1263
14.2. UN proper shipping name	Paint (Copper)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN1263
14.2. UN proper shipping name	Paint (Copper)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
Label(s)	3
14.4. Packing group	II
14.5. Environmental hazards	yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

14.1. UN number	UN1263
14.2. UN proper shipping name	PAINT (Copper)
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	II
14.5. Environmental hazards	yes
ERG Code	3L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

Other information

Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

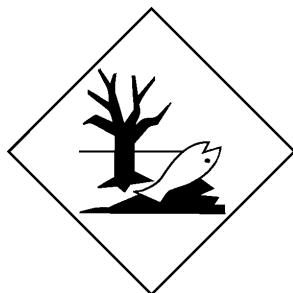
IMDG

14.1. UN number	UN1263
14.2. UN proper shipping name	PAINT (Copper), MARINE POLLUTANT
14.3. Transport hazard class(es)	
Class	3
Subsidiary risk	-
14.4. Packing group	II
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	F-E, S-E
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant



General information

IMDG Regulated Marine Pollutant.

SECTION 15: Regulatory information

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

Retained direct EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended

Not listed.

Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended

Not listed.

Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended

Not listed.

Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended

copper (CAS 7440-50-8)

Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA

Not listed.

Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Propyl acetate (CAS 109-60-4)

Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

copper (CAS 7440-50-8)

isopentyl acetate (CAS 123-92-2)

n-butyl acetate (CAS 123-86-4)

Propyl acetate (CAS 109-60-4)

Other regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADR: European Agreement Concerning the International Carriage of Dangerous Goods by Road.

ATE: Acute Toxicity Estimate according to REGULATION (EC) No 1272/2008 (CLP).

CAS: Chemical Abstract Service.

Ceiling: Short Term Exposure Limit Ceiling value.

CEN: European Committee for Standardization.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

GWP: Global Warming Potential.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAK: Threshold limit values Germany (Maximale Arbeitsplatzkonzentration - DFG).

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

REACH: Registration, Evaluation and Authorization of Chemicals (REGULATION (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals).

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VOC: Volatile organic compounds.

vPvB: Very persistent and very bioaccumulative.

STEL: Short-term Exposure Limit.

References

Not available.

Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

Full text of any statements, which are not written out in full under sections 2 to 15

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

H410 Very toxic to aquatic life with long lasting effects.

H411 Toxic to aquatic life with long lasting effects.

Revision information

None.

Training information

Follow training instructions when handling this material.

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