

**CHUGOKU**
MARINE PAINTS
WWW.CHUGOKUPAINTS.COM**SEAJET 031 SAMURAI****SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Product code: 667VR - Version 3 - Revision Date: 09-02-2011

1.2. Relevant identified uses of the substance or mixture and uses advised against: Paint and/or related product**1.3. Details of the supplier of the safety data sheet**Chugoku Paints B.V., Sluisweg 12, 4794 SW Heijningen - Po Box 73, 4793 ZH Fijnaart, The Netherlands
Tel.+31-167-526100 - Fax +31-167-522059 - E-mail: msdsregistration@cmpeurope.eu**1.4. Emergency telephone number**

National Poisons Information Service: +44 870 600 6266

SECTION 2: Hazards identification**2.1. Classification of the substance or mixture**

The product is labelled as follows in accordance with Directive 67/548/EC, Directive 1999/45/EC and its amendments.

Harmful	R10	R50/53	S02	S29/56
Dangerous for the environment	R20/21/22	P92	S51	
	R38		S45	
	R43		S36/37	

See Section 16 for the full text of the R-phrases or S-phrases declared above.

Extended details regarding health and environment, see section 11 & 12.

The mixture may be a skin sensitiser. It may also be a skin irritant and repeated contact may increase this effect.

2.2. Label elements

Contains epoxy constituents. See information supplied by the manufacturer. - This information is supplied in the present Safety Data Sheet.

2.3 Other hazards: Not available**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

Substances presenting a health or environmental hazard within the meaning of the Dangerous Substances Directive 67/548/EEC or Regulation (EC) No. 1272/2008 or assigned a Community workplace exposure limit. (*) See Section 16 for full text.

Substance name	Reg.nr's	Conc.range	Symbol	R-phrases / H-statement codes (*)
Cuprous(I)Oxide	EG-nr: 215-270-7 CAS-nr: 1317-39-1	25-50		22-50/53- H302-H400-H410
Reach #: 01-2119513794-36	Index: 029-002-00-X			
Xylene	EG-nr: 215-535-7 CAS-nr: 1330-20-7	25-50		10-20/21-38- H226-H332-H312-H315
Reach #: 01-2119463881-32	Index: 601-022-00-9			
Rosin Gum	EG-nr: 232-475-7 CAS-nr: 8050-09-7	5-10		43- H317
Reach #: 01-2119463881-32	Index: 650-015-00-7			
Zinc Oxide	EG-nr: 215-222-5 CAS-nr: 1314-13-2	5-10		50/53- H400-H410
Reach #: 01-2119463881-32	Index: 030-013-00-7			
Butyl Cellosolve	EG-nr: 203-905-0 CAS-nr: 111-76-2	1-5		20/21/22-36/38- H332-H312-H302-H319-H315
Reach #: 01-2119475108-36	Index: 603-014-00-0			
Epoxy Resin Mwt<700	EG-nr: 500-033-5 CAS-nr: 25068-38-6	0-1		43-36/38-51/53- H319-H315-H317-H411
Reach #: 02-2119871391-37	Index: 603-074-00-8			
Tricresyl Phosphate	EG-nr: 201-105-6 CAS-nr: 78-32-0	0-1		21/22-51/53- H312-H302-H411
Reach #: 02-2119871391-37	Index: 015-016-00-3			
Chlorinated Paraffins, C14-17 (52%)	EG-nr: 287-477-0 CAS-nr: 85535-85-9	0-1		50/53-64-66- H362-H400-H410
Reach #: 01-2119519269-33	Index: 602-095-00-X			

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SECTION 4: First aid measure

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 recognised 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

Potential acute symptoms and effects

Inhalation

Exposure to vapors may cause a health hazard.
Serious effects may be delayed following exposure.

Skin contact

Irritating to skin. May cause sensitisation by skin contact.

Eye contact

Irritating to eyes.

Ingestion

Harmful if swallowed.

Potential delayed symptoms and effects

Inhalation

No specific data.

Skin contact

Adverse symptoms may include the following: irritation, redness

Eye contact

Adverse symptoms may include the following: irritation, watering, redness

Ingestion

No specific data.

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

Notes to physician

In case of inhalation of decomposition products in a fire, symptoms may be delayed.
The exposed person may need to be kept under medical surveillance for 48 hours.

Specific treatments

No specific treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media:



Recommended: alcohol resistant foam, CO₂, powders, water spray/mist

Extinguishing media which must not be used for safety reasons:

Water jet. Zinc dust containing products should not be extinguished with water.

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. See Section 10.
Appropriate breathing apparatus may be required.



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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.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area. Avoid breathing vapours.
Refer to protective measures listed in sections 7 and 8.

6.2. Environmental precautions

Do not allow to enter drains or watercourses.
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 and collect 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

See Section 1 for emergency contact information.
See Section 8 for information on appropriate personal protective equipment.
See Section 13 for additional waste treatment information.

SECTION 7: 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. No sparking tools should be used.

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.

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.

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.

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 limits.

Information on fire and explosion protection

Vapours are heavier than air and may spread along floors.

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities

Store in accordance with local regulations.

Notes on joint storage

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

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Additional information on storage conditions

Observe label precautions.
Store between 0°C and 40°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 unauthorised access.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

Application: Airless spray, brush, roller (See also the Technical Datasheet)

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limit values / Substance name									
	TWA8-ppm-mg/m ³ STEL15-ppm-mg/m ³	TGG8-ppm-mg/m ³ TGG15-ppm-mg/m ³	TWA8-ppm-mg/m ³ STEL15-ppm-mg/m ³	VLA8-ppm-mg/m ³ VLA15-ppm-mg/m ³	VME8-ppm-mg/m ³ VLE15-ppm-mg/m ³	MAK8-ppm-mg/m ³ MAK15-ppm-mg/m ³	NGV8-ppm-mg/m ³ KTV15-ppm-mg/m ³	TLV8-ppm-mg/m ³ TLV15-ppm-mg/m ³	TLV8-ppm-mg/m ³ Stel15-ppm-mg/m ³
Cuprous(I)Oxide	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/1	-/1
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Xylene	50/221 100/442 Skin	-/210 -/442 H	50/220 100/441 -	50/221 100/442 -	50/221 100/442 -	100/440 200/880 H	50/200 100/450 -	100/- 150/- A4	50/221 100/442 D
	-/-	-/-	-/0,05 -/0,15	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Zinc Oxide	-/-	-/-	-/-	-/10	-/10	-/-	-/5	-/2	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/10	-/-
	-	-	-	-	-	-	-	-	-
Butyl Cellosolve	20/98 50/246 Skin	-/100 -/246 H	25/123 50/246 -	20/98 50/245 Skin	2/9,8 30/147,6 -	20/98 80/392 H, Y	10/50 20/100 -	-/ -/ -	20/98 50/246 D
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Tricresyl Phosphate	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Chlorinated Paraffins, C14-17 (52%)	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-

Europe - TWA=Time Weight Average (8hr) - STEL=Short Time Exposure Limit (15m) - SCOEL// The Netherlands - TGG=Tijd Gewogen Gemiddelde - SZW// U.K. - TWA=Time Weighted Average (8hr) - STEL=Short Time Exposure Limit (15m) - H.S.E. Health and Safety Commission // España - VLA=Valores de Exposición Diaria (ED-8hr) & Exposición de Corta Duración (EC-15m) - La Comisión de Higiene y Seguridad // France - VME=Valeurs limites de moyenne d'exposition (8hr) & VLE=Valeurs limites d'exposition à court terme (15m) - Ministère de l'Emploi et de la Solidarité // Deutschland - MAK=Maximale Arbeitsplatz-Konzentration - 8 Std/15 min. - TRGS 900 // Sverige - NGV=Nivågränsvärde (8t) & KTV=Korttidsvärde (15m) - Arbetsmiljöverket // ACGIH (American Conference of Governmental Industrial Hygienist) - TLV=Threshold Limit Value - 8 hr/15 min. - (Italia, Portugal) // België - TLV=Threshold Limit Value (8u) - STEL=Short Time Exposure Limit (15m) - Grenswaarden voor Beroepsmatige Blootstelling (GWBB)

Notations:

A1: Confirmed Human Carcinogen.
A2: Suspected Human Carcinogen.
A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.
A4: Not Classifiable as a Human Carcinogen.
A5: Not Suspected as a Human Carcinogen.
C: The substance falls within the scope "protection against risks of exposure to carcinogens and mutagens at work"
D: Absorption of the substance through the skin, mucous membranes or the eyes is an important part of the total exposure.
The absorption can result from both direct contact and by presence in the air.

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H (Huid/Skin): Indicates a risk of absorption through the skin.

Inh.dust: Inhalable dust.

M: When exposed above the OEL, irritation occurs or there is a risk of acute poisoning.

Therefore, the work has to be organized in a way that exposure above the OEL never occurs.

Sen: The substance may, at susceptible people, arouse a hypersensitivity reaction, even at exposures below the OEL.

Y: Substances that show a negligible risk of damaging the unborn child as long as the threshold values are maintained.

Z: Substances where risk of damaging the unborn child can't be ruled out even when mentioned threshold values are maintained.

DNEL

DNEL - Not available

PNEC

PNEC - Not available

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.

This can be done by e.g. compressed air or half-mask with appropriate filters, A2 for organic vapours (combined with dustfilter P3).

Dry sanding, flame cutting and/or welding of the dry 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.

Hand protection:



There is no one glove material or combination of materials that will give unlimited resistance to any individual or combination of chemicals. At repeated or prolonged contact; gloves.

Viton-gloves offer good protection for intense contact with most solvents, e.g. complete immersion in solvent.

Nitrile gloves offer good protection during spray application.

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed. The breakthrough time must be greater than the end use time of the product.

Breakthrough time nitrile gloves: Methyl ethyl ketone 7 min, Toluene 25 min, Xylene 53 min, White Spirit >480 min, Isobutyl Methyl Ketone 4 min and Isopropyl alcohol >480 min.

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.

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 of high temperature resistant synthetic fibre.

Environmental exposure controls:

Do not allow to enter drains or water courses.

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SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Appearance:**

* Physical state	: Liquid	
* Odour	: Typical	
* Odour threshold	: Not available	
* pH	: Not available	
* Melting point/freezing point	: Not applicable	
* Initial boiling point and boiling range	: Not available	
* Flash point	: 35°C	Method: ASTM D3278-96 (Re-appr.2004)
* Flammability (solid, gas)	: Not applicable	
* Relative density	: 1,62 g/cm ³	Method: ASTM D1475-98
* Solubility(ies)	: Not Soluble	
* Partition coefficient: n-octanol/water	: Not available	
* Auto-ignition temperature / Decomposition temperature	: Not available	
* Viscosity	: ISO (2431:1993) 6mm: >60s - FC4 (ASTM D-1200-10): >200s	
* Oxidising properties	: Not available	

Substance name	Explosive limits	Evaporation rate	Vapour pressure
Cuprous(I)Oxide	Not applicable	Not available	Not available
Xylene	1.0-7.0%	Not available	8.0 mbar
Rosin Gum	Not applicable	Not available	Not available
Zinc Oxide	Not applicable	Not available	Not available
Butyl Cellosolve	1.1-10.6%	Not available	1.0 mbar
Epoxy Resin Mwt<700	Not applicable	Not available	< 0.01 mbar
Tricresyl Phosphate	Not applicable	Not available	Not available
Chlorinated Paraffins, C14-17 (52%)	Not available	Not available	Not available

9.2. Other information

No additional information

SECTION 10: Stability and reactivity**10.1. Reactivity**

No specific test data related to reactivity available for this product or its ingredients.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

In combination with oxidizing agents, strongly alkaline and strongly acid materials, exothermic reactions and/or explosive reactions may occur or toxic vapours may arise.

10.4. Conditions to avoid

When exposed to high temperatures may produce hazardous decomposition products.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Carbon monoxide and dioxide, smoke, oxides of nitrogen, hydrochloric acid etc.

SECTION 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and classified for toxicological hazards accordingly.

See Sections 2 and 15 for details.

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11.1. Information on toxicological effects

Exposure to component solvents vapours concentration 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.

Contains Rosin Gum, Epoxy Resin Mwt<700. May produce an allergic reaction.

Based on the properties of the epoxy constituent(s) and considering toxicological data on similar mixtures, this mixture may be a skin sensitiser and an irritant. It contains low molecular weight epoxy constituents which are irritating to eyes, mucous membrane and skin. Repeated skin contact may lead to irritation and to sensitisation, possibly with cross-sensitisation to other epoxies. Skin contact with the mixture and exposure to spray mist and vapour should be avoided.

Substance name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Cuprous(I)Oxide	1340 mg/kg bw,Rat	Not available.	5.0 mg/l,Rat
Xylene	>2000 mg/kg,Rat	>2000 mg/kg,Rat	>20 mg/l,Rat
Rosin Gum	Not available.	Not available.	Not available.
Zinc Oxide	>5000 mg/kg,Rat	Not available.	>5700 mg/m3,Rat
Butyl Cellosolve	>200-2000 mg/kg,Rat	>400-2000 mg/kg,Rabbit	2-20 mg/l,Rat
Epoxy Resin Mwt<700	>2000 mg/kg,Rabbit,4h	Not available.	Not available.
Tricresyl Phosphate	>5000 mg/kg,Rat	>10000 mg/kg,Rabbit	Not available.
Chlorinated Paraffins, C14-17 (52%)	>2g/kg,Rat	Not available.	Not available.

Conclusion/Summary : Not available

Irritation/Corrosion

Conclusion/Summary : Not available

Sensitiser

Conclusion/Summary : Not available

Mutagenicity

Conclusion/Summary : Not available

Carcinogenicity

Conclusion/Summary : Not available

Reproductive toxicity

Conclusion/Summary : Not available

Teratogenicity

Conclusion/Summary : Not available



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Information on the likely routes of exposure : Not available

Potential acute health effects

Inhalation : Exposure to vapours may cause a health hazard.
 Serious effects may be delayed following exposure.
 Ingestion : Harmful if swallowed.
 Skin contact : May cause skin irritation.
 May cause sensitisation by skin contact.
 Eye contact : Irritating to eyes.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation : No specific data
 Ingestion : No specific data
 Skin contact : Adverse symptoms may include the following: irritation, redness
 Eye contact : Adverse symptoms may include the following: irritation, watering, redness

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential immediate effects : Not available
 Potential delayed effects : Not available

Long term exposure

Potential immediate effects : Not available
 Potential delayed effects : Not available

Potential chronic health effects

Conclusion/Summary : Not available
 General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels
 Carcinogenicity : No known significant effects or critical hazards
 Mutagenicity : No known significant effects or critical hazards
 Teratogenicity : No known significant effects or critical hazards
 Developmental effects : No known significant effects or critical hazards
 Fertility effects : No known significant effects or critical hazards
 Other information : Not available

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 of the Dangerous Preparations Directive 1999/45/EC and is classified for eco-toxicological properties accordingly. See Sections 2 and 3 for details.

12.1. Toxicity

Substance name	Results - Species - Exposure
Cuprous(I)Oxide	EC50/48h - 9.8 - 41.2 ppb (Daphnia Magna), LC50 - Not available, IC50 - Not available
Xylene	EC50 - Not available, LC50/96h - 13.4 mg/l Fathead minnow, IC50 - Not available
Rosin Gum	EC50 - Not available, LC50 - Not available, IC50 - Not available
Zinc Oxide	Ac. EC50/72h - 0,17 mg/l (Algae - Selenastrum Capricornutum), Ac. LC50/48h - 98 ug/l Daphnia magna/Neonate <24u ; Ac. LC50/96h - 1,1 tot 2,5 ppm Oncorhynchus mykiss ; Chr. NOEC/48h - 0,4 mg/L Daphnia magna/Neonate, IC50 - Not available

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Substance name	Results - Species - Exposure
Butyl Cellosolve	EC50 - Not available, LC50 - Not available, IC50 - Not available
Epoxy Resin Mwt<700	EC50 - Not available, LC50 - Not available, IC50 - Not available
Tricresyl Phosphate	EC50 - Not available, LC50 - Not available, IC50 - Not available
Chlorinated Paraffins, C14-17 (52%)	EC50/48h - 0,006 mg/l (Daphnia magna) ; EC50/96h >3,2 mg/l (Selenastrum capricornutum), LC50/96h >1,0 mg/l (Gammarus pulex) ; LC/96h >5000 mg/l (Alburnus alburnus), IC50 - Not available

12.2. Persistence and degradability

Conclusion/Summary : Not available

12.3. Bioaccumulative potential

Substance name	LogPow	BCF	Potential
Cuprous(I)Oxide	Not available	Not available	Not available
Xylene	Not available	-	Not available
Rosin Gum	Not available	Not available	Not available
Zinc Oxide	Not available	Not available	Not available
Butyl Cellosolve	0,8	-	Not available
Epoxy Resin Mwt<700	>3	-	Not available
Tricresyl Phosphate	Not available	Not available	Not available
Chlorinated Paraffins, C14-17 (52%)	Not available	<2000 L/kg	Not available

12.4. Mobility in soil

Soil/water partition coefficient (KOC) : Not available

Mobility : Not available

12.5. Results of PBT and vPvB assessment

Not available

12.6. Other adverse effects

Not available

SECTION 13: Disposal considerations**13.1. Waste treatment methods**

Waste and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act or consult EC disposal guide.

The European Waste Catalogue classification of this product, when disposed of as waste is 08 01 11.

If this product is mixed with other wastes, this code may no longer apply. If mixed with other wastes, the appropriate code should be assigned. For further information contact your local waste authority.

Do not allow to enter drains or water courses.

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

Containers which are not properly cleaned may contain (highly) flammable or explosive vapours.

Special precautions:

Use appropriate protective equipment for the removal and / or disposal of this product.

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 an accident or spillage.

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

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14.1. UN number	ADR/RID UN 1263	IMDG UN 1263	IATA UN 1263
14.2. UN proper shipping name	Paint	Paint	Paint
14.3. Transport hazard class(es)	3	3	3
Hazard labels			
14.4. Packing group	III	III	III
14.5. Environmental hazards	Yes	Yes	No
14.6. Special precautions for user	Hazard Identification Number: 30 Environmental Risk	EmS: F-E, S-E Marine Pollutant: Yes Marine Pollutant Substance(S): Zinc Oxide, Tricresyl Phosphate	

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code
This subsection does not apply.

SECTION 15: Regulatory information

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

The information in this Safety Data Sheet is required pursuant to

* Annex II to regulation (EC) No 1907/2006 and its amendments.

* Directive 1999/45/EC

* Active ingredients: Cuprous(I)Oxide / CAS 1317-39-1

15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

SECTION 16: Other information

The product is classified and labelled for supply in accordance with the Dangerous Preparations Directive (DPD) 1999/45/EC.

Full text of R-phrases appearing in Section 2.1.

- R10 Flammable.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- P92 Contains epoxy constituents. See information supplied by the manufacturer.



- S23 Do not breath vapour/spray.
- S38 In case of insufficient ventilating, wear suitable respiratory equipment.



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Full text of S-phrases appearing in Section 2.1.

- S02 Keep out of the reach of children.
- S51 Use only in well-ventilated areas.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S36/37 Wear suitable protective clothing and gloves.
- S29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

Full text of R-phrases appearing in Section 3.2.

- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
- R21/22 Harmful in contact with skin and if swallowed.
- R22 Harmful if swallowed.
- R36/38 Irritating to eyes and skin.
- R38 Irritating to skin.
- R43 May cause sensitisation by skin contact.
- R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R64 May cause harm to breastfed babies.

Full text of Hazard Statements appearing in Section 3.2:

- EUH066 Repeated exposure may cause skin dryness or cracking.
- H226 Flammable liquid and vapour.
- H302 Harmful if swallowed.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H362 May cause harm to breast-fed children.
- 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.

Amendments: 09-02-2011, §14&16

This product does not contain organotin compounds acting as biocides and complies with the "International convention on the control of harmful Anti-fouling systems on ships as adopted by IMO in october 2001 (IMO document AFS/CONF/26)".

The information of this SDS is based on the present state of our knowledge and on current legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with. The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks, as required by other health and safety legislation.