

SEAJET PELLERCLEAN PRIMER BASE



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

1.1. Product identifier

Product code: 210EE - Version 1 - Revision Date: 09-07-2015

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

Classification according Regulation (EC) No 1272/2008.

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No 1272/2008.



GHS02



GHS05



GHS07

Signalword: Danger

Hazard Statements:

H226	Flammable liquid and vapour.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves / protective clothing / eye protection / face protection.



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Response:

P305+P351+P338
P310

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.

Storage & Disposal:

Dangerous components:

N-Butanol.

Epoxy Resin Mwt<700.

Epoxy Resin Mwt 700-1100.

[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane.

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

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

Supplemental hazard information:

EUH205 Contains epoxy constituents. May produce an allergic reaction.

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









2.3 Other hazards: Not available

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

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

(*) See Section 16 for full text.

Substance Name	Reg.nr's	Conc.range	Symbol	H-statement codes (*)	
Xylene. Reach #: 01-2119488216-32	EG-nr: 215-535-7	10-25		H226 - Flam.Liq. 3	H304 - Asp. Tox. 1
	CAS-nr: 1330-20-7			H332 - Acute Tox. 4	-
	Index: 601-022-00-9			H312 - Acute Tox. 4	-
N-Butanol. Reach #: 01-2119484630-38	EG-nr: 200-751-6	5-10		H226 - Flam.Liq. 3	H318 - Eye Dam. 1
	CAS-nr: 71-36-3			H302 - Acute Tox. 4	H336 - STOT SE 3
	Index: 603-004-00-6			H335 - STOT SE 3	-
Epoxy Resin Mwt<700. Reach #: 01-2119456619-26	EG-nr: 500-033-5	5-10		H319 - Eye Irrit. 2	-
	CAS-nr: 25068-38-6			H315 - Skin Irrit. 2	-
	Index: 603-074-00-8			H317 - Skin Sens. 1	-
Epoxy Resin Mwt 700-1100. Reach #: -	EG-nr: -	5-10		H411 - Aquatic Chronic 2	-
	CAS-nr: 25036-25-3			H317 - Skin Sens. 1	-
	Index: -			H319 - Eye Irrit. 2	-
Isobutyl Methyl Ketone. Reach #: 01-2119473980-30	EG-nr: 203-550-1	1-5		H225 - Flam.Liq. 2	EUH066
	CAS-nr: 108-10-1			H332 - Acute Tox. 4	-
	Index: 606-004-00-4			H319 - Eye Irrit. 2	-
[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane. Reach #: 01-2119513212-58	EG-nr: 219-784-2	1-5		H335 - STOT SE 3	-
	CAS-nr: 2530-83-8			-	-
	Index: -			-	-
2-Propenoic Acid, Reaction Products With Pentaerythritol. Reach #: 01-2119490003-49	EG-nr: 629-850-6	1-5		H302 - Acute Tox. 4	H411 - Aquatic Chronic 2
	CAS-nr: 1245638-61-2 / 13048-33-4 / 4986-89-4 / 3524-68-3			H315 - Skin Irrit. 2	-
	Index: -			H317 - Skin Sens. 1	-
Ad1500. Reach #: Nons	EG-nr: 484-050-2	0-1		H318 - Eye Dam. 1	-
	CAS-nr: 7030-71-5			H400 - Aquatic Acute 1	-
	Index: -			H410 - Aquatic Chronic 1	-

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 15 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.

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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. Zincdust 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.

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.

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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.

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

Limits for occupational exposure and / or biological limit values									
	TWA8-ppm-mg/m ³	TGG8-ppm-mg/m ³	TWA8-ppm-mg/m ³	VLA8-ppm-mg/m ³	VME8-ppm-mg/m ³	MAK8-ppm-mg/m ³	NGV8-ppm-mg/m ³	TLV8-ppm-mg/m ³	TLV8-ppm-mg/m ³
	STEL15-ppm-mg/m ³	TGG15-ppm-mg/m ³	STEL15-ppm-mg/m ³	VLA15-ppm-mg/m ³	VLE15-ppm-mg/m ³	MAK15-ppm-mg/m ³	KTV15-ppm-mg/m ³	TLV15-ppm-mg/m ³	Stel15-ppm-mg/m ³
Xylene.	50/221	47/210	50/220	50/221	50/221	100/440	50/200	100/-	50/221
	100/442	100/442	100/441	100/442	100/442	200/880	100/450	150/-	100/442
	Skin	H	H	Skin	-	H	-	A4	D
N-Butanol.	-/-	-/-	50/154	-/-	-/-	100/310	15/45	20/-	20/62
	-/-	-/-	-/-	50/154	50/150	100/310	30/90	-/-	-/-
	-	-	H	Skin	-	Y	H	-	D
Epoxy Resin Mwt<700.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Epoxy Resin Mwt 700-1100.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Isobutyl Methyl Ketone.	20/83	25/104	50/208	20/83	20/83	20/83	25/100	50/-	20/83
	50/208	50/208	100/416	50/208	50/208	40/166	50/200	75/-	50/208
	-	-	H	-	-	H, Y	-	-	-
[3-(2,3-Epoxypropoxy)Propyl]Tri methoxysilane.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
2-Propenoic Acid, Reaction Products With Pentaerythritol.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Ad1500.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-

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) - Límites de Exposición Profesional para Agentes Químicos en España, Ministerio de Trabajo e Inmigración, INSHT // France - VME=Valeurs limites de moyenne d'exposition (8hr) & VLE=Valeurs limites d'exposition à court terme (15m) - Valeurs limites d'exposition professionnelle aux agents chimiques en France; INRS // Deutschland - AGS - 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)

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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.

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.

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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.

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

(a) Physical state	: Liquid
(b) Odour	: Typical
(c) Odour threshold	: Testing not feasible due to nature of the product.
(d) pH	: Not applicable due to nature of the product.
(e) Melting point/freezing point	: Not applicable due to nature of the product.
(f) Initial boiling point and boiling range	: Not applicable due to nature of the product.
(g) Flash point	: 30°C Method: ASTM D3278-96 (Re-appr.2004)
(h) Flammability (solid, gas)	: Not applicable due to nature of the product.
(i) Vapour density	: Heavier than air
(j) Relative density	: 1,43 g/cm ³ Method: ASTM D1475-98
(k) Solubility(ies)	: Not Soluble
(l) Partition coefficient: n-octanol/water	: Not applicable due to nature of the product.
(m) Auto-ignition temperature / Decomposition temperature	: Testing not feasible due to nature of the product.
(n) Viscosity	: ISO (2431:1993) 6mm: >60s - FC4 (ASTM D-1200-10): >200s
(o) Explosive properties	: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
(p) Oxidising properties	: Not applicable due to nature of the product.

Substance name	(q) Explosive limits	(r) Evaporation rate	(s) Vapour pressure
Xylene.	1.0-7.0%	Not available	8.0 mbar
N-Butanol.	1,4 - 11,3 %	Not available	5,6 mbar
Epoxy Resin Mwt<700.	Not applicable	Not available	< 0.01 mbar
Epoxy Resin Mwt 700-1100.	Not available	Not available	<0,1Pa
isobutyl Methyl Ketone.	1,2-8,0%	1,6	25 mbar
[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane.	0,7 - 13,6	Not available	<1 hPa
2-Propenoic Acid, Reaction Products With Pentaerythritol.	Not available	Not available	< 0.000000133 Pa
Ad1500.	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.

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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 etc.

SECTION 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

See Sections 2 and 3 for details.

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 Epoxy Resin Mwt<700., Epoxy Resin Mwt 700-1100., 2-Propenoic Acid, Reaction Products With Pentaerythritol. 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 sensitizer 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
Xylene.	>2000 mg/kg,Rat	>2000 mg/kg,Rat	29 mg/l,Rat
N-Butanol.	>2000 mg/kg,Rat	>2000 mg/kg,Rabbit	>17,76 mg/l,Rat
Epoxy Resin Mwt<700.	>15000 mg/kg,Rabbit	23000 mg/kg,Rabbit	Not available.
Epoxy Resin Mwt 700-1100.	>2000 mg/kg,Rat	>2000 mg/kg,Rat	Not available.
Isobutyl Methyl Ketone.	2080 mg/kg,Rat	>2000 mg/kg,Rabbit	8,2-16,4 mg/l,Rat
[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane.	8025 mg/kg,Rat	4250 mg/kg,Rabbit	>5,3 mg/l,Rat
2-Propenoic Acid, Reaction Products With Pentaerythritol.	540 mg/kg,Rat	>2000 mg/kg,Rat	Not available.
Ad1500.	>2000 mg/kg,Rat	>2000 mg/kg,Rat	Not available.

Conclusion/Summary

Acute Toxicity

ATEmix (oral) : No specific data.

ATEmix (Dermal) : No specific data.

ATEmix (Inhalation) : No specific data.

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Skin corrosion/irritation:

Conclusion/Summary on mixture : Causes skin irritation.
: Method: Additivity approach, no testdata available.

Serious eye damage/irritation:

Conclusion/Summary on mixture : Causes serious eye damage.
: Method: Additivity approach, no testdata available.

Respiratory or skin sensitization:

Conclusion/Summary on mixture : May cause an allergic skin reaction.
: Method: Concentration Limit, no testdata available.
: No specific data on Respiratory sensitization.

Germ cell mutagenicity:

Conclusion/Summary on mixture : No specific data.

Carcinogenicity:

Conclusion/Summary on mixture : No specific data.

Reproductive toxicity:

Conclusion/Summary on mixture : No specific data.

STOT - single exposure:

Conclusion/Summary on mixture : No specific data.

STOT - repeated exposure:

Conclusion/Summary on mixture : No specific data.

Aspiration hazard:

Conclusion/Summary on mixture : No specific data.

Information on likely routes of exposure

Inhalation : Exposure to vapours may cause a health hazard.
: Serious effects may be delayed following exposure.

Ingestion : May be 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 : No specific data

Potential delayed effects : No specific data

Long term exposure

Potential immediate effects : No specific data

Potential delayed effects : No specific data

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

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SECTION 12: Ecological information

There are no data available on the mixture itself.

Do not allow to enter drains or water courses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and is not classified for eco-toxicological hazards.

12.1. Toxicity

Substance name	Results - Species - Exposure
Xylene.	EC50/48h 1-10 mg/l (Daphnia magna), LC50/96h - 13.4 mg/l Fathead minnow, IC50/72h
N-Butanol.	EC50/48h 1328 mg/l (Daphnia magna), LC50/96h 1376 mg/l (Pimephales promelas), IC50 - Not available
Epoxy Resin Mwt<700.	EC50/48h 1,8 mg/l (Daphnia magna), LC50/96h 2 mg/l (Oncorhynchus mykiss), IC50/8h >42,6 mg/l (Bacteria)
Epoxy Resin Mwt 700-1100.	EC50/48h >100 mg/l (Daphnia magna), LC50/96h >100 mg/l (Leuciscus idus), IC50 - Not available
Isobutyl Methyl Ketone.	EC50/48h 170 mg/l (Daphnia magna), LC50/96h 505 mg/l (Pimephales promelas), IC50/16h >100 mg/l (Scenedesmus subspicatus)
[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane.	EC50/48h 324mg/l (Daphnia), LC50/96h 55 mg/l (Cyprinus carpio), 237 mg/l (Oncorhynchus mykiss), IC50 - Not available
2-Propenoic Acid, Reaction Products With Pentaerythritol.	EC50 - Not available, LC50/96h 3,2 mg/l (fish), IC50 - Not available
Ad1500.	EC50/48h >0,024mg/l (Daphnia magna), LC50/96h >0,024mg/l (Cyprinus carpio), IC50 - Not available

12.2. Persistence and degradability

Conclusion/Summary : Not available

12.3. Bioaccumulative potential

Substance name	LogPow	BCF	Potential
Xylene.	3,1	-	Low
N-Butanol.	0,88	3,16	Not available
Epoxy Resin Mwt<700.	3,242	3 - 31	Low
Epoxy Resin Mwt 700-1100.	Not available	Not available	Not available
Isobutyl Methyl Ketone.	1,31	Not available	Not available
[3-(2,3-Epoxypropoxy)Propyl]Trimethoxysilane.	Not available	37% 28d	Not available
2-Propenoic Acid, Reaction Products With Pentaerythritol.	Not available	Not available	Not available
Ad1500.	Not available	Not available	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

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SECTION 13: Disposal considerations

13.1. Waste treatment methods

Dispose of containers contaminated by the product in accordance with local or national legal provisions. 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 into drains or water courses or dispose of where ground or surface waters may be affected. 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.

	ADR/RID	IMDG	IATA
14.1. UN number	UN 1263	UN 1263	UN 1263
14.2. UN proper shipping name	Paint	Paint	Paint
14.3. Transport hazard class(es)	Carriage in accordance with 2.2.3.1.5	Transport in accordance with 2.3.2.5 of the IMDG Code (<30L)	3
Hazard labels			
14.4. Packing group	III	III	III
14.5. Environmental hazards	No	No	No
14.6. Special precautions for user	Hazard Identification Number: -	EmS: F-E, S-E Marine Pollutant: No	The "viscosity exemption" provision does not apply to air transport.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.



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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.

* the provisions of the Health and Safety at Work etc. Act [and the Control of Substances Hazardous to Health Regulations] apply to the use of this product at work.

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.

15.2. Chemical safety assessment

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

SECTION 16: Other information

The product is classified and labelled for supply in accordance with Regulation (EC) No 1272/2008.

Rationale:

H226	Measured
H315	Additivity approach
H318	Additivity approach
H317	Concentration limit
H412	Summation method

Full text of Hazard Statements appearing in Section 3.2:

EUH066	Repeated exposure may cause skin dryness or cracking.
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.
H317	May cause an allergic skin reaction.
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.
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.

SEAJET PELLERCLEAN PRIMER HARDENER



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

1.1. Product identifier

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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

Classification according Regulation (EC) No 1272/2008.

H226	Flammable liquid and vapour.
H302+H312	Harmful if swallowed or in contact with skin
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H341	Suspected of causing genetic defects.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No 1272/2008.



GHS02



GHS05



GHS07



GHS08



GHS09

Signalword:

Danger

Hazard Statements:

H226	Flammable liquid and vapour.
H302+H312	Harmful if swallowed or in contact with skin
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H304	May be fatal if swallowed and enters airways.
H341	Suspected of causing genetic defects.
H361	Suspected of damaging fertility or the unborn child.
H411	Toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P280	Wear protective gloves / protective clothing / eye protection / face protection.

SEAJET PELLERCLEAN PRIMER HARDENER



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Response:

P305+P351+P338
P310
P370+P378

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER or doctor/physician.
In case of fire: Use alcohol resistant foam to extinguish.

Storage & Disposal:

P403+P235

Store in a well-ventilated place. Keep cool.

Dangerous components:

Xylene.
Toluene.
Phenol.
Nonylphenol.
M-Phenylenebis(Methylamine).

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

Supplemental hazard information: None

2.3 Other hazards: Not available









SEAJET PELLERCLEAN PRIMER HARDENER

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

Substances presenting a health or environmental hazard within the meaning of Regulation (EC) No. 1272/2008, assigned a Community workplace exposure limit, classified as PBT/vPvB or included in the Candidate List.

(*) See Section 16 for full text.

Substance Name	Reg.nr's	Conc.range	Symbol	H-statement codes (*)	
Xylene. Reach #: 01-2119488216-32	EG-nr: 215-535-7	25-50		H226 - Flam.Liq. 3	H304 - Asp. Tox. 1
	CAS-nr: 1330-20-7			H332 - Acute Tox. 4	-
	Index: 601-022-00-9			H312 - Acute Tox. 4	-
N-Butanol. Reach #: 01-2119484630-38	EG-nr: 200-751-6	10-25		H226 - Flam.Liq. 3	H318 - Eye Dam. 1
	CAS-nr: 71-36-3			H302 - Acute Tox. 4	H336 - STOT SE 3
	Index: 603-004-00-6			H335 - STOT SE 3	-
Modified Aliphatic Polyamine. Reach #: -	EG-nr: -	10-25		H302 - Acute Tox. 4	-
	CAS-nr: 57214-10-5			H314 - Skin Corr. 1	-
	Index: -			H318 - Eye Dam. 1	-
Toluene. Reach #: 01-2119471310-51	EG-nr: 203-625-9	1-5		H225 - Flam.Liq. 2	H315 - Skin Irrit. 2
	CAS-nr: 108-88-3			H361d - Repr.2	H336 - STOT SE 3
	Index: 601-021-00-3			H304 - Asp. Tox. 1	-
Phenol. Reach #: 01-2119471329-32	EG-nr: 203-632-7	1-5		H341 - Muta. 2	H373** - STOT RE 2
	CAS-nr: 108-95-2			H331 - Acute Tox. 3	H314-(1B) - Skin Corr. 1B
	Index: 604-001-00-2			H311 - Acute Tox. 3	-
Nonylphenol. Reach #: 01-2119510715-45	EG-nr: 246-672-0	1-5		H361fd	H410 - Aquatic Chronic 1
	CAS-nr: 25154-52-3			H302 - Acute Tox. 4	-
	Index: 601-053-00-8			H314-(1B) - Skin Corr. 1B	-
Benzyl Alcohol. Reach #: 01-2119492630-38	EG-nr: 202-859-9	1-5		H332 - Acute Tox. 4	-
	CAS-nr: 100-51-6			H302 - Acute Tox. 4	-
	Index: 603-057-00-5			-	-
M-Phenylenebis(Methylamine). Reach #: 01-2119480150-50	EG-nr: 216-032-5	1-5		H302 - Acute Tox. 4	H317 - Skin Sens. 1
	CAS-nr: 1477-55-0			H332 - Acute Tox. 4	H412 - Aquatic Chronic 3
	Index: -			H314 - Skin Corr. 1	-
				H318 - Eye Dam. 1	-

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 15 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. Zincdust 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.

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.

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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.

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

Limits for occupational exposure and / or biological limit values									
	TWA8-ppm-mg/m³	TGG8-ppm-mg/m³	TWA8-ppm-mg/m³	VLA8-ppm-mg/m³	VME8-ppm-mg/m³	MAK8-ppm-mg/m³	NGV8-ppm-mg/m³	TLV8-ppm-mg/m³	TLV8-ppm-mg/m³
	STEL15-ppm-mg/m³	TGG15-ppm-mg/m³	STEL15-ppm-mg/m³	VLA15-ppm-mg/m³	VLE15-ppm-mg/m³	MAK15-ppm-mg/m³	KTV15-ppm-mg/m³	TLV15-ppm-mg/m³	Stel15-ppm-mg/m³
Xylene.	50/221	47/210	50/220	50/221	50/221	100/440	50/200	100/-	50/221
	100/442	100/442	100/441	100/442	100/442	200/880	100/450	150/-	100/442
	Skin	H	H	Skin	-	H	-	A4	D
N-Butanol.	-/-	-/-	50/154	-/-	-/-	100/310	15/45	20/-	20/62
	-/-	-/-	-/-	50/154	50/150	100/310	30/90	-/-	-/-
	-	-	H	Skin	-	Y	H	-	D
Modified Aliphatic Polyamine.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Toluene.	50/192	39/150	50/191	50/192	20/76,8	50/190	50/200	20/-	20/77
	100/384	100/384	100/384	100/384	100/384	200/760	100/400	-/-	100/384
	Skin	-	H	Skin	-	H, Y	H	A4	D
Phenol.	2/8	2/8	2/7,8	2/8	2/7,8	2/8	1/4	5/-	2/8
	4/16	-/-	4/16	-/-	4/15,6	4/16	2/8	-/-	4/16
	Skin	H	H	Skin	-	H	H	A4	D
Nonylphenol.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
Benzyl Alcohol.	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-	-	-	-	-	-	-	-	-
M-Phenylenebis(Methylamine).	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-	-/-
	-/-	-/-	-/-	-/-	-/0,1	-/-	-/-	-/0,1	-/0,1
	-	-	-	-	-	-	-	Huid	D, M

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) - Límites de Exposición Profesional para Agentes Químicos en España, Ministerio de Trabajo e Inmigración, INSHT // France - VME=Valeurs limites de moyenne d'exposition (8hr) & VLE=Valeurs limites d'exposition à court terme (15m) - Valeurs limites d'exposition professionnelle aux agents chimiques en France; INRS // Deutschland - AGS - 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)

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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.

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.

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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.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance:

(a) Physical state	: Liquid
(b) Odour	: Typical
(c) Odour threshold	: Testing not feasible due to nature of the product.
(d) pH	: Not applicable due to nature of the product.
(e) Melting point/freezing point	: Not applicable due to nature of the product.
(f) Initial boiling point and boiling range	: Not applicable due to nature of the product.
(g) Flash point	: 26°C Method: ASTM D3278-96 (Re-appr.2004)
(h) Flammability (solid, gas)	: Not applicable due to nature of the product.
(i) Vapour density	: Heavier than air
(j) Relative density	: 0,93 g/cm ³ Method: ASTM D1475-98
(k) Solubility(ies)	: Not Soluble
(l) Partition coefficient: n-octanol/water	: Not applicable due to nature of the product.
(m) Auto-ignition temperature / Decomposition temperature	: Testing not feasible due to nature of the product.
(n) Viscosity	: ISO (2431:1993) 6mm: 6s - FC4 (ASTM D-1200-10): 20s
(o) Explosive properties	: The product itself is not explosive, but the formation of an explosible mixture of vapour or dust with air is possible.
(p) Oxidising properties	: Not applicable due to nature of the product.

Substance name	(q) Explosive limits	(r) Evaporation rate	(s) Vapour pressure
Xylene.	1.0-7.0%	Not available	8.0 mbar
N-Butanol.	1,4 - 11,3 %	Not available	5,6 mbar
Modified Aliphatic Polyamine.	Not available	Not available	Not available
Toluene.	1,2-7%	6	29mbar
Phenol.	1,3 - 9,5 %	Not available	0,3
Nonylphenol.	Not applicable	Not available	1.0 mbar
Benzyl Alcohol.	1,3 - 13 %	Not available	0.13 mbar
M-Phenylenebis(Methylamine).	Not available	Not available	0,04 mbar

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.

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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 etc.

SECTION 11: Toxicological information

There are no data available on the mixture itself.

The mixture has been assessed following the additivity method of the CLP Regulation (EC) No 1272/2008 and classified for toxicological hazards accordingly.

See Sections 2 and 3 for details.

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 M-Phenylenebis(Methylamine). May produce an allergic reaction.

Substance name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylene.	>2000 mg/kg,Rat	>2000 mg/kg,Rat	29 mg/l,Rat
N-Butanol.	>2000 mg/kg,Rat	>2000 mg/kg,Rabbit	>17,76 mg/l,Rat
Modified Aliphatic Polyamine.	>2000mg/kg,Rat	>2020mg/kg,Rat	Not available.
Toluene.	>2000 mg/kg,Rat	>5000 mg/kg,Rabbit	28,1 mg/l,Rat
Phenol.	282 mg/kg,Mouse	660 mg/kg,Rat	>900 mg/m3,Rat
Nonylphenol.	1900 mg/kg,Rat	2031 mg/kg,Rabbit	Not available.
Benzyl Alcohol.	1230 mg/kg,Rat	>2000 mg/kg,Rabbit	8,8mg/l,Rat
M-Phenylenebis(Methylamine).	980 mg/kg,Rat	2000 mg/kg,Rabbit	Not available.

Conclusion/Summary

Acute Toxicity

ATEmix (oral) : 900 mg/kg.
 ATEmix (Dermal) : 1982 mg/kg.
 ATEmix (Inhalation) : No specific data.

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Skin corrosion/irritation:

Conclusion/Summary on mixture : Causes severe skin burns and eye damage.
: Method: Additivity approach, no testdata available.

Serious eye damage/irritation:

Conclusion/Summary on mixture : Causes serious eye damage.
: Method: Additivity approach, no testdata available.

Respiratory or skin sensitization:

Conclusion/Summary on mixture : May cause an allergic skin reaction.
: Method: Concentration Limit, no testdata available.
: No specific data on Respiratory sensitization.

Germ cell mutagenicity:

Conclusion/Summary on mixture : No specific data.

Carcinogenicity:

Conclusion/Summary on mixture : No specific data.

Reproductive toxicity:

Conclusion/Summary on mixture : No specific data.

STOT - single exposure:

Conclusion/Summary on mixture : No specific data.

STOT - repeated exposure:

Conclusion/Summary on mixture : No specific data.

Aspiration hazard:

Conclusion/Summary on mixture : May be fatal if swallowed and enters airways.
: Method: Additivity approach, no testdata available.

Information on likely routes of exposure

Inhalation : Exposure to vapours may cause a health hazard.
: Serious effects may be delayed following exposure.

Ingestion : May be 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 : No specific data

Potential delayed effects : No specific data

Long term exposure

Potential immediate effects : No specific data

Potential delayed effects : No specific data

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

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SECTION 12: Ecological information

There are no data available on the mixture itself.

Do not allow to enter drains or water courses.

The mixture has been assessed following the summation method of the CLP Regulation (EC) No 1272/2008 and classified for eco-toxicological hazards accordingly.

12.1. Toxicity

Substance name	Results - Species - Exposure
Xylene.	EC50/48h 1-10 mg/l (Daphnia magna), LC50/96h - 13.4 mg/l Fathead minnow, IC50/72h
N-Butanol.	EC50/48h 1328 mg/l (Daphnia magna), LC50/96h 1376 mg/l (Pimephales promelas), IC50 - Not available
Modified Aliphatic Polyamine.	EC50/48h 29,8mg/l (Daphnia magna), LC50/96h 25,9 mg/l (Oncorhynchus mykiss), IC50 - Not available
Toluene.	EC50/48h 11,5 mg/l (Daphnia magna), LC50/96h 13 mg/l (Carassius auratus), IC50/72h 12 mg/l (Pseudo kirchnerella)
Phenol.	EC50/48h 4-7mg/l (Daphnia magna), LC50 - Not available, IC50 - Not available
Nonylphenol.	EC50/48h 0,085 mg/l (Daphnia magna), LC50/96 0,209 mg/l (Lepomis macrochirus), IC50 - Not available
Benzyl Alcohol.	EC50/48h 360 mg/l (Daphnia magna), LC50/96h 10 mg/l (Lepomis macrochirus), IC50 - Not available
M-Phenylenebis(Methylamine).	EC50/48h 15,2 mg/l (Daphnia magna), LC50/96h 87,6 mg/l (Oryzias latipes), IC50 - Not available

12.2. Persistence and degradability

Conclusion/Summary : Not available

12.3. Bioaccumulative potential

Substance name	LogPow	BCF	Potential
Xylene.	3,1	-	Low
N-Butanol.	0,88	3,16	Not available
Modified Aliphatic Polyamine.	Not available	Not available	Not available
Toluene.	2,65	90	Not available
Phenol.	1,5	Not available	Low
Nonylphenol.	Not available	Not available	Not available
Benzyl Alcohol.	1,1	-	Not available
M-Phenylenebis(Methylamine).	Not available	Not available	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

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

Dispose of containers contaminated by the product in accordance with local or national legal provisions. 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 into drains or water courses or dispose of where ground or surface waters may be affected. 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.

	ADR/RID UN 2733	IMDG UN 2733	IATA UN 2733
14.1. UN number	UN 2733	UN 2733	UN 2733
14.2. UN proper shipping name	Amines, flammable, corrosive, n.o.s. (Xylene., Toluene.)	Amines, flammable, corrosive, n.o.s. (Xylene., Toluene.)	Amines, flammable, corrosive, n.o.s. (Xylene., Toluene.)
14.3. Transport hazard class(es)	3 & 8	3 & 8	3 & 8
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: 38 Environmental Risk	EmS: F-E, S-C Marine Pollutant: Yes Marine Pollutant Substance(S): Nonylphenol.	

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.

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.

* the provisions of the Health and Safety at Work etc. Act [and the Control of Substances Hazardous to Health Regulations] apply to the use of this product at work.

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.

15.2. Chemical safety assessment

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

SECTION 16: Other information

The product is classified and labelled for supply in accordance with Regulation (EC) No 1272/2008.

Rationale:

H226 Measured
 H302+H312 Additivity approach
 H314 Additivity approach
 H317 Concentration limit
 H304 Additivity approach
 H341 Concentration limit
 H361 Concentration limit
 H411 Summation method

Full text of Hazard Statements appearing in Section 3.2:

H226 Flammable liquid and vapour.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H304 May be fatal if swallowed and enters airways.
 H311 Toxic in contact with skin.
 H312 Harmful in contact with skin.
 H314 Causes severe skin burns and eye damage.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H331 Toxic if inhaled.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H341 Suspected of causing genetic defects.
 H361d Suspected of damaging the unborn child.
 H361fd Suspected of damaging fertility or the unborn child.
 H373** May cause damage to organs through prolonged or repeated exposure.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.
 H412 Harmful to aquatic life with long lasting effects.

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.