



acc. to ISO/DIS 11014

Printing date 06/07/2012 Version 5 Reviewed on 06/07/2012

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

· Product identifier

· Trade name:

Mereco CLN-658 Activator

 Application of the substance / the

preparation

Epoxy curing agent

· Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Mereco Division

Metachem Resins Corporation

1505 Main Street

West Warwick, RI 02893

USA

Phone +1 / 401 / 822-9300

· Information department:

Technical department. email = info@mereco.com

· Emergency telephone

number:

Telephone: (800) 424-9300 (Chemtrec)

Call this number in the event of an accident resulting in a spill, leak or fire. Call this number in the event of exposure to the chemicals.

* 2 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture of the substances listed below with non-hazardous

additions.

· Components:	
aliphatic polyamine	C R34; Xn R21/22-48/20-65
Solvent	Xn R20/22; Xi R36/38-43
aliphatic amine	C R34; Xn R21/22; Xi R43 R52/53
aliphatic amine	C R34; Xn R22; Xi R43 R53
Additive	C R34; Xn R22-62-63; N R50/53 Repr. Cat. 3

· Additional information:

This material is a blend of liquid curing agents with metallic filler particles and possible other mineral or ceramic fillers. The solid fillers do not pose airborne hazards to the user of this formulated product because they are completely encapsulated in the liquid mass. If any of the solid fillers are hazardous in accordance with Section 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) they are identified in section 15 of this MSDS (SARA Section 313).

For the wording of the listed risk phrases refer to section 16.

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3 Hazards identification

· Classification of the substance or mixture

· Classification according to Directive 67/548/EEC or Directive 1999/45/EC

C; Corrosive

R34: Causes burns.

Xn; Harmful

R22-48/20-65: Harmful if swallowed. Harmful: danger of serious damage to health by prolonged

exposure through inhalation. Harmful: may cause lung damage if swallowed.

Xi; Irritant

R43: May cause sensitisation by skin contact.

N; Dangerous for the environment

R51/53: Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

 Information concerning particular hazards for

human and environment: The product has to be labelled due to the calculation procedure of

international guidelines.

· Classification system: The classification was made according to the latest editions of

international substances lists, and expanded upon from company

and literature data.

· Label elements

· Labelling according to EU

guidelines:

The product has been classified and marked in accordance with

directives on hazardous materials.

· Code letter and hazard

designation of product:

C Corrosive

N Dangerous for the environment

· Hazard-determining

components of labelling:

polyoxypropylene diamine

Benzyl alcohol

3-aminomethyl-3,5,5-trimethylcyclohexylamine

trimethylhexane-1,6-diamine

· Risk phrases: 22 Harmful if swallowed.

34 Causes burns.

43 May cause sensitisation by skin contact.

48/20 Harmful: danger of serious damage to health by prolonged

exposure through inhalation.

51/53 Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

65 Harmful: may cause lung damage if swallowed.

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· Safety phrases:	1/2 13 20 25	Keep locked up and out of the reach of children. Keep away from food, drink and animal feedingstuffs. When using do not eat or drink. Avoid contact with eyes.
	26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
	27/28	After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water.
	36/37/3	9 Wear suitable protective clothing, gloves and eye/face protection.
	45	In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
	56	Dispose of this material and its container to hazardous or special waste collection point.
	60	This material and its container must be disposed of as hazardous waste.
	64	If swallowed, rinse mouth with water (only if the person is conscious).
· Classification system:		
· NFPA ratings (scale 0 - 4)	Health Fire	= 3 = 1
	Reactiv	•
· HMIS-ratings (scale 0 - 4)	Health	= 3
	Fire Reactiv	= 1 ity = 0

4 First aid measures

· General information: Immediately remove any clothing soiled by the product.

> Symptoms of poisoning may even occur after several hours; therefore medical observation is necessary for at least 48 hours

after the accident.

Supply fresh air. For added safety, call a doctor. · After inhalation:

In case of unconsciousness place patient in a stable side position

for transportation.

· After skin contact: · After eye contact:

Immediately wash with water and soap and rinse thoroughly.

Rinse opened eye for several minutes under running water. Then

consult a doctor.

· After swallowing: Immediately call a doctor.

Drink copious amounts of water and provide fresh air. Immediately

call a doctor.

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5 Firefighting measures

· Suitable extinguishing

agents:

CO2, extinguishing powder or water spray. Fight larger fires with

water spray or alcohol resistant foam.

Special hazards arising from

the substance or mixture · Protective equipment:

No further relevant information available.

No special measures required.

6 Accidental release measures

· Personal precautions. protective equipment and emergency procedures

· Environmental precautions:

Wear protective equipment. Keep unprotected persons away. Inform respective authorities in case of seepage into water course

or sewage system.

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

· Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust). Use neutralizing agent.

Dispose of contaminated material as waste according to item 13.

Ensure adequate ventilation.

See Section 7 for information on safe handling. · Reference to other sections

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions for safe

handling

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

· Information about protection against

explosions and fires:

No special measures required.

· Storage:

· Requirements to be met by

storerooms and

receptacles:

No special requirements.

· Information about storage in one common storage

facility:

Not required.

· Further information about

storage conditions:

Keep receptacle tightly sealed.

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Trade name: Mereco CLN-658 Activator

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· **Specific end use(s)** No further relevant information available.

8 Exposure controls/personal protection

· Additional information about

design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the workplace:

100-51-6 Benzyl alcohol

WEEL 44 mg/m³, 10 ppm

· Additional information:

The lists that were valid during the creation were used as basis.

- · Personal protective equipment:
 - · General protective and

hygienic measures:

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Breathing equipment:

· Protection of hands:

Not required. Protective gloves

The glove material has to be impermeable and resistant to the

product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material is based on consideration of the penetration times, rates of diffusion and the degradation of the

material.

Material of gloves

The selection of suitable gloves depends not only on the material, but also on further marks of quality and varies from manufacturer to

manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the

onlication

application.

· Penetration time of glove

material

The exact penetration time has to be determined by the glove

manufacturer and has to be observed.

· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

· General Information

· Appearance:

· Form:

Pasty

· Color:

Silver-colored

· Odor:

Ammonia-like

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	(**************************************
 Change in condition Melting point/Melting range: Boiling point/Boiling range: 	Undetermined. 205°C
· Flash point:	101°C
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Density at 20°C:	2.7 g/cm ³
· Solubility in / Miscibility with · Water:	Not miscible or difficult to mix.
Solvent content:Organic solvents:Other information	4.3 % No further relevant information available.

* 10 Stability and reactivity

· Thermal decomposition / conditions to be avoided:

· Possibility of hazardous

reactions

Reacts with acids.

Reacts with strong acids.

· Conditions to avoid · Incompatible materials:

Hazardous decomposition

products:

No further relevant information available.

No further relevant information available.

No decomposition if used according to specifications.

Nitrogen oxides Irritant gases/vapors

* 11 Toxicological information

· Acute toxicity:

· LD/L0	· LD/LC50 values that are relevant for classification:		
	100-51-6 Benzyl alcohol		
Oral	LD50	1230 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rabbit)	
2855-13	2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine		
Oral	LD50	1030 mg/kg (rat)	
Dermal	LD50	2.2 mg/kg (rabbit)	
25620-58-0 trimethylhexane-1,6-diamine			
Oral	LD50	900 mg/kg (rat)	
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84852-15-3 4-nonylphenol, branched
Oral LD50 580 mg/kg (rat)

Dermal LD50 2140 mg/kg (rabbit)

Primary irritant effect:

· on the skin:

Caustic effect on skin and mucous membranes.

· on the eye:

Strong caustic effect.

· Sensitization:

Sensitization possible through skin contact.

· Additional toxicological

information:

The product shows the following dangers according to internally

approved calculation methods for preparations:

Harmful Corrosive Irritant

Swallowing will lead to a strong caustic effect on mouth and throat

and to the danger of perforation of esophagus and stomach.

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

* 12 Ecological information

• Aquatic toxicity: No further relevant information available.

· Persistence and degradability No further relevant information available.

· Behavior in environmental systems:

· Bioaccumulative potential No further relevant information available.

· Ecotoxical effects:

· **Remark:** Toxic for fish

· Additional ecological information:

• General notes: Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or

sewage system.

Must not reach bodies of water or drainage ditch undiluted or

unneutralized.

Danger to drinking water if even small quantities leak into the

ground.

Also poisonous for fish and plankton in water bodies.

Toxic for aquatic organisms

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13 Disposal considerations

· Waste treatment methods

· Recommendation: Must not b

Must not be disposed of together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packagings:

· Recommendation:

Disposal must be made according to official regulations.

* 14 Transport information

· UN-Number	
· DOT	UN1760
· DOT · ADR, IMDG, IATA	1760
	1700
· UN proper shipping name	
· DOT, IMDG, IATA	CORROSIVE LIQUID, N.O.S.
	(POLYOXYPROPYLENE DIAMINE, 4-
455	NONYLPHENOL, BRANCHED)
· ADR	1760 CORROSIVE LIQUID, N.O.S.
	(POLYOXYPROPYLENE DIAMINE, 4-
	NONYLPHENOL, BRANCHED)
· Transport hazard class(es)	
· DOT, IMDG, IATA	
Class	8 Corrosive substances.
· Label	8
· ADR	
· Class	8 (C9) Corrosive substances
· Label	8
· Packing group	
· DOT, ADR, IMDG, IATA	III
· Environmental hazards:	Product contains environmentally hazardous
	substances: 4-NONYLPHENOL, BRANCHED
· Marine pollutant:	No
· Special precautions for user	Warning: Corrosive substances
· Danger code (Kemler):	80
EMS Number:	F-A,S-B
· Segregation groups	Alkalis
· Transport in bulk according to Annex	II of
MARPOL73/78 and the IBC Code	Not applicable.

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15 Regulatory information

· Sara

· Section 30	2 (extremely	/ hazardous	s substances):

None of the ingredients is listed.

· Section 313 (Specific toxic chemical listings):

7440-22-4 silver

>60%

· Sections 311/312 (Specific hazard chemical listings):

9046-10-0 polyoxypropylene diamine

2855-13-2 3-aminomethyl-3,5,5-trimethylcyclohexylamine

25620-58-0 trimethylhexane-1,6-diamine

84852-15-3 4-nonylphenol, branched

· Sections 311/312 Hazard Categorizations:

	Cochono Criyotz Mazara Catogorizationo.			
9046-10-0	polyoxypropylene diamine	Category = A (Acute health hazard)	10-20%	
	trimethylcyclohexylamine	A = Acute health hazard	3-10%	
25620-58-0	trimethylhexane-1,6-diamine	A = Acute health hazard	3-10%	
84852-15-3	4-nonylphenol, branched	A = Acute health hazard	1-3%	

· TSCA (Toxic Substances Control Act):

All ingredients are listed.

· Proposition 65

· Chemicals known to cause cancer:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

· Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

· Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

· Carcinogenic categories

· EPA	(Environmental Protection Agency)	į
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7440-22-4 silver

D

· TLV (Threshold Limit Value established by ACGIH)

None of the ingredients is listed.

· MAK (German Maximum Workplace Concentration)

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

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· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

16 Other information

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

• Relevant phrases R20/22 Harmful by inhalation and if swallowed.

R21/22 Harmful in contact with skin and if swallowed.

R22 Harmful if swallowed.

R34 Causes burns.

R36/38 Irritating to eyes and skin.

R43 May cause sensitisation by skin contact.

R48/20 Harmful: danger of serious damage to health by prolonged

exposure through inhalation.

R50/53 Very toxic to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

R52/53 Harmful to aquatic organisms, may cause long-term

adverse effects in the aquatic environment.

R53 May cause long-term adverse effects in the aquatic

environment.

R62 Possible risk of impaired fertility.

R63 Possible risk of harm to the unborn child.

R65 Harmful: may cause lung damage if swallowed.

· Department issuing MSDS:

· Contact:

Technical department Dr. John F. Plummer

· * Data compared to the previous version altered.

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

· Product identifier

· Trade name:

Mereco CLN-658 Base

 Application of the substance / the

preparation

Epoxy resin

· Details of the supplier of the safety data sheet

Manufacturer/Supplier:

Mereco Division

Metachem Resins Corporation

1505 Main Street

West Warwick, RI 02893

USA

Phone +1 / 401 / 822-9300

· Information department:

Technical department. email = info@mereco.com

· Emergency telephone

number:

Telephone: (401) 822-9300

2 Composition/information on ingredients

· Chemical characterization: Mixtures

· Description:

Mixture of the substances listed below with non-hazardous

additions.

· Components:	
Diglycidyl Ether Bisphenol-A epoxy resin	Xi R36/38-43; N R51/53
Polyglycol diepoxide resin	Xi R36/38

· Additional information:

This material is a blend of liquid resins with metallic filler particles and possible other mineral or ceramic fillers. The solid fillers do not pose airborne hazards to the user of this formulated product because they are encapsulated in the resin mass. If any of the solid fillers are hazardous in accordance with Section 313 of the Emergency Planning and Community Right-to-know Act (EPCRA) they are identified in Section 15 of this MSDS (SARA Section 313).

For the wording of the listed risk phrases refer to section 16.

* 3 Hazards identification

- · Classification of the substance or mixture
 - · Classification according to Directive 67/548/EEC or Directive 1999/45/EC

Xi; Irritant

R36/38-43:

Irritating to eyes and skin. May cause sensitisation by skin contact.

R52/53:

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic

environment.

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Trade name: Mereco CLN-658 Base

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· Information concerning particular hazards for human and environment:

The product has to be labelled due to the calculation procedure of

international guidelines.

· Classification system: The classification was made according to the latest editions of

international substances lists, and expanded upon from company

and literature data.

· Label elements

· Labelling according to EU

guidelines:

The product has been classified and marked in accordance with

directives on hazardous materials.

· Code letter and hazard

designation of product:

Xi Irritant

· Hazard-determining

components of labelling:

Diglycidyl ether Bisphenol-A epoxy resin

· Risk phrases:

36/38 Irritating to eyes and skin.

May cause sensitisation by skin contact.

52/53 Harmful to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

· Safety phrases:

2 Keep out of the reach of children.

28 After contact with skin, wash immediately with plenty of soap

and water.

37/39 Wear suitable gloves and eye/face protection. Avoid release to the environment. Refer to special

instructions/safety data sheets.

Special labelling of certain

preparations:

Contains epoxy constituents. See information supplied by the

manufacturer.

· Classification system:

· NFPA ratings (scale 0 - 4)

Health = 2Fire = 1

Reactivity = 0

· HMIS-ratings (scale 0 - 4)

Health = 2

Fire = 1 Reactivity = 0

4 First aid measures

· After inhalation: Supply fresh air. For added safety, call a doctor.

In case of unconsciousness place patient in a stable side position

for transportation.

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

Rinse opened eye for several minutes under running water. If · After eye contact:

symptoms persist, consult a doctor.

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· After swallowing: If symptoms persist consult doctor.

5 Firefighting measures

· Suitable extinguishing

agents:

CO2, extinguishing powder or water spray. Fight larger fires with

water spray or alcohol resistant foam.

Special hazards arising from

the substance or mixture · Protective equipment:

No further relevant information available.

No special measures required.

6 Accidental release measures

· Personal precautions, protective equipment and

emergency procedures

Not required.

· Environmental precautions:

Inform respective authorities in case of seepage into water course

or sewage system.

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

· Methods and material for

containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders,

universal binders, sawdust).

· Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

7 Handling and storage

· Handling:

· Precautions for safe

handling

Store in cool, dry place in tightly closed receptacles.

Use only in well ventilated areas.

· Information about protection against

explosions and fires:

No special measures required.

· Storage:

· Requirements to be met by

storerooms and

receptacles:

No special requirements.

· Information about storage in

one common storage

facility:

Not required.

· Further information about

storage conditions:

Keep receptacle tightly sealed.

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· Specific end use(s) No further relevant information available.

8 Exposure controls/personal protection

· Additional information about

design of technical systems: No further data; see item 7.

· Components with limit values that require monitoring at the

workplace: The product does not contain any relevant quantities of materials

with critical values that have to be monitored at the workplace. The lists that were valid during the creation were used as basis.

· Personal protective equipment:

· General protective and

· Additional information:

hygienic measures: Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· Breathing equipment: · Protection of hands:

Not required. Protective gloves

The glove material has to be impermeable and resistant to the

product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material is based on consideration of the penetration times, rates of diffusion and the degradation of the

material.

· Material of gloves The selection of suitable gloves depends not only on the material,

but also on further marks of quality and varies from manufacturer to

manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be

calculated in advance and has therefore to be checked prior to the

application.

· Penetration time of glove

material

The exact penetration time has to be determined by the glove

manufacturer and has to be observed.

· Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

· General Information

· Appearance:

· Form:

Pasty

· Color:

Silver-colored

· Odor:

Mild

· Odour threshold:

Not determined.

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· pH-value:	Not determined.
· Change in condition	
Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	201°C
· Flash point:	154°C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
· Decomposition temperature:	Not determined.
· Auto igniting:	Product is not self-igniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
· Lower:	Not determined.
· Upper:	Not determined.
· Vapor pressure:	Not determined.
· Density at 20°C:	2.6 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	
· Water:	Not miscible or difficult to mix.
· Segregation coefficient (n-octonol/v	water): Not determined.
· Viscosity:	
Dynamic:	Not determined.
· Kinematic:	Not determined.
· Solvent content:	
· Organic solvents:	0.0 %
· Other information	No further relevant information available.

* 10 Stability and reactivity

 Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

· Possibility of hazardous reactions

Reacts with amines.

Conditions to avoidIncompatible materials:

No further relevant information available.

No further relevant information available.

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· Hazardous decomposition

products:

Irritant gases/vapors

* 11 Toxicological information

· Acute toxicity:

· LD/LC	· LD/LC50 values that are relevant for classification:		
polygly	polyglycol diepoxide resin		
Oral	LD50	4000 mg/kg (rat)	
Dermal	LD50	2000 mg/kg (rat)	

Primary irritant effect:

· on the skin:

Irritant to skin and mucous membranes.

· on the eye:

Irritating effect.

· Sensitization:

Sensitization possible through skin contact.

· Additional toxicological

information:

The product shows the following dangers according to internally

approved calculation methods for preparations:

Irritant

Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

* 12 Ecological information

· Aquatic toxicity: No further relevant information available.

- · Persistence and degradability No further relevant information available.
- Behavior in environmental systems:
 - Bioaccumulative potential No further relevant information available.

· Ecotoxical effects:

· Remark: Harmful to fish

· Additional ecological information:

• General notes: Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or

sewage system.

Danger to drinking water if even small quantities leak into the

ground.

Harmful to aquatic organisms

USA —

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Trade name: Mereco CLN-658 Base

(Contd. from page 6)

13 Disposal considerations

· Waste treatment methods

• **Recommendation:** Must not be disposed of toget

Must not be disposed of together with household garbage. Do not

allow product to reach sewage system.

· Uncleaned packagings:

• Recommendation: Disposal must be made according to official regulations.

* 14 Transport information

· UN-Number · DOT, ADR, ADN, IMDG, IATA	Not Applicable
UN proper shipping name DOT ADR, ADN, IMDG, IATA	Not Regulated Not Applicable
· Transport hazard class(es)	
· DOT, ADR, ADN, IMDG, IATA · Class	Not Applicable
· Packing group · DOT, ADR, IMDG, IATA	Not Applicable
· Environmental hazards: · Marine pollutant:	Product contains environmentally hazardous substances: Diglycidyl ether Bisphenol-A epoxy resin No
Special precautions for user	Not applicable.
· Transport in bulk according to Annex MARPOL73/78 and the IBC Code	Not applicable.

* 15 Regulatory information

· Sara

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· Section 302 (extremely hazardous substances):	
None of the ingredients is listed.	
· Section 313 (Specific toxic chemical listings):	
7440-22-4 silver	>60%
· Sections 311/312 (Specific hazard chemical listings):	
None of the ingredients is listed.	
· Sections 311/312 Hazard Categorizations:	
None of the ingredients is listed.	

(Contd. on page 8)

acc. to ISO/DIS 11014

Printing date 06/08/2012 Version 5 Reviewed on 06/08/2012 Trade name: Mereco CLN-658 Base (Contd. from page 7) · TSCA (Toxic Substances Control Act): All ingredients are listed. · Proposition 65 · Chemicals known to cause cancer: None of the ingredients is listed. · Chemicals known to cause reproductive toxicity for females: None of the ingredients is listed. · Chemicals known to cause reproductive toxicity for males: None of the ingredients is listed. · Chemicals known to cause developmental toxicity: None of the ingredients is listed. · Carcinogenic categories · EPA (Environmental Protection Agency) 7440-22-4 silver D · TLV (Threshold Limit Value established by ACGIH) None of the ingredients is listed. · MAK (German Maximum Workplace Concentration) None of the ingredients is listed. · NIOSH-Ca (National Institute for Occupational Safety and Health) None of the ingredients is listed. · OSHA-Ca (Occupational Safety & Health Administration) None of the ingredients is listed. 16 Other information This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. · Relevant phrases R36/38 Irritating to eyes and skin.

May cause sensitisation by skin contact.

R51/53 Toxic to aquatic organisms, may cause long-term adverse

effects in the aquatic environment.

· Department issuing MSDS:

· Contact:

Technical department Dr. John F. Plummer

· * Data compared to the previous version altered.

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