

#### SAFETY DATA SHEET

in accordance with REACH (1907/2006/EC, as amended by 2015/830/EU) 29 CFR 1910.1200 and WHMIS 2015

Revision date: 26 September 2018 Initial date of issue: 6 July 2007 SDS No. 227B-15

#### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

ARC 5 (Part B)

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

ARC Polymer Composite. Repair damage caused by impact, abrasion, erosion or corrosion; rebuild worn areas; fill holes and cracks; provide abrasion resistant surfaces.

### 1.3. Details of the supplier of the safety data sheet

Company: Supplier:

A.W. CHESTERTON COMPANY 860 Salem Street Groveland, MA 01834-1507, USA

Tel. +1 978-469-6446 Fax: +1 978-469-6785

(Mon. - Fri. 8:30 - 5:00 PM EST) SDS requests: www.chesterton.com

E-mail (SDS questions): ProductMSDSs@chesterton.com

E-mail: customer.service@chesterton.com

Canada: A.W. Chesterton Company Ltd., 889 Fraser Drive, Unit 105, Burlington, Ontario L7L 4X8 – Tel. 905-335-5055 EU: Chesterton International GmbH, Am Lenzenfleck 23, D85737 Ismaning, Germany – Tel. +49-89-996-5460

# 1.4. Emergency telephone number

24 hours per day, 7 days per week Call Infotrac: 1-800-535-5053

Outside N. America: +1 352-323-3500 (collect)
NSW Poisons Information Centre (Australia): 13 11 26

## **SECTION 2: HAZARDS IDENTIFICATION**

#### 2.1. Classification of the substance or mixture

## 2.1.1. Classification according to Regulation (EC) No 1272/2008 [CLP]

Skin corrosion, Category 1B, H314 Serious eye damage, Category 1, H318 Skin sensitization, Category 1, H317

Hazardous to the aquatic environment, Acute, Category 1, H400 Hazardous to the aquatic environment, Chronic, Category 1, H410

Additional non-CLP classification: Flammable liquid, Category 4, H227

#### 2.1.2. Classification according to 29 CFR 1910.1200 / WHMIS 2015

Flammable liquid, Category 4, H227 Skin corrosion, Category 1B, H314 Serious eye damage, Category 1, H318 Skin sensitization, Category 1, H317 Hazardous to the aquatic environment, Acute, Category 1, H400 Hazardous to the aquatic environment, Chronic, Category 1, H410

## 2.1.3. Australian statement of hazardous nature

Hazardous according to criteria of Safe Work Australia.

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#### 2.1.4. Additional information

For full text of H-statements: see SECTIONS 2.2 and 16.

#### 2.2. Label elements

# 2.2.1. Labelling according to Regulation (EC) No 1272/2008 [CLP]

Hazard pictograms:





Signal word: Danger

**Hazard statements:** H227 Combustible liquid.\*

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.

H410 Very toxic to aquatic life with long lasting effects.

\*Additional non-CLP labelling.

**Precautionary statements:** P210 Keep away from flames and hot surfaces. – No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing and eye/face protection.

P301/330/331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician. P333/313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

Supplemental information: None

#### 2.2.2. Labelling according to 29 CFR 1910.1200 / WHMIS 2015

Hazard pictograms: Same as section 2.2.1.

Signal word: Same as section 2.2.1.

Hazard statements: Same as section 2.2.1.

**Precautionary statements:** P210 Keep away from flames and hot surfaces. – No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves/clothing and eye/face protection. P301/330/331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P303/361/353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/physician.
P333/313 If skin irritation or rash occurs: Get medical advice/attention.

P363 Wash contaminated clothing before reuse.

P391 Collect spillage.

P403/235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

P501 Dispose of contents/container to an approved waste disposal plant.

Supplemental information: None

### 2.3. Other hazards

The safety and health hazards are detailed separately for Part A and Part B. The final cured material is considered nonhazardous. Upon machining, refer to the precautions in the safety data sheets for Part A and Part B.

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS				
3.2. Mixtures				
Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No./ EC No.	REACH Reg. No.	CLP/GHS Classification
Formaldehyde polymer with 1,3- benzenedimethanamine and phenol	25-40	57214-10-5 500-137-0	NA	Aquatic Acute 1, H400 Aquatic Chronic 1, H410 (M-factor acute/chronic: 1)
m-Phenylenebis(methylamine) (Synonym: m-Xylene-alpha, alpha'- Diamine)	20-30	1477-55-0 216-032-5	NA	Acute Tox. 4, H332 Acute Tox. 4, H302 Skin Corr. 1B, H314 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 EUH071
Nitric acid, ammonium calcium salt	5-10	15245-12-2 239-289-5	NA	Acute Tox. 4, H302 Eye Dam. 1, H318
Ethanol	1-5	64-17-5 200-578-6	NA	Flam. Liq. 2, H225
Iron oxide	1-5	1317-61-9 215-277-5	NA	Self-Heat. 2, H252
N-(3- (trimethoxysilyl)propyl)ethylenediamine	0.1-0.2	1760-24-3 217-164-6	01-211997 0215-39	Acute Tox. 4, H332 Eye Dam. 1, H318 Skin Sens. 1, H317
Other ingredients:		_		
Silicon carbide	5-10	409-21-2 206-991-8	NA	Not classified*

<sup>\*</sup>Substance with a workplace exposure limit. For full text of H-statements: see SECTION 16.

• 1272/2008/EC, GHS, REACH

#### **SECTION 4: FIRST AID MEASURES**

# 4.1. Description of first aid measures

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin contact: Flood area with water while removing contaminated clothing. Wash clothing before reuse. Wash skin with soap

and water. Contact physician.

**Eye contact:** Flush eyes for at least 15 minutes with large amounts of water. Contact physician.

Ingestion: Do not induce vomiting. If conscious, dilute stomach contents with large quantities of milk or water. Contact

physician immediately.

Protection of first-aiders: No action shall be taken involving any personal risk or without suitable training. Avoid contact with

the product while providing aid to the victim. See section 8 for recommendations on personal

protective equipment.

### 4.2. Most important symptoms and effects, both acute and delayed

Direct contact will cause burns to skin, eyes and mucous membranes. May cause an allergic skin reaction. Excessive inhalation of vapors or mists can cause coughing, chest tightness and difficulty breathing.

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

Treat symptoms.

#### **SECTION 5: FIREFIGHTING MEASURES**

## 5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, alcohol-resistant foam, water spray.

Unsuitable extinguishing media: No data available

#### 5.2. Special hazards arising from the substance or mixture

May generate: ammonia gas, toxic nitrogen oxide gases. Incomplete combustion may form carbon monoxide. Use of water may result in the formation of very toxic aqueous solutions. Do not allow runoff from firefighting to enter drains or water courses.

<sup>&</sup>lt;sup>1</sup> Classified according to: • 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F)

<sup>•</sup> WHMIS 2015

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# 5.3. Advice for firefighters

Recommend Firefighters wear self-contained breathing apparatus.

Flammability Classification: -

**HAZCHEM Emergency Action Code:** 3 Z

### **SECTION 6: ACCIDENTAL RELEASE MEASURES**

## 6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Provide adequate ventilation. Utilize exposure controls and personal protection as specified in Section 8. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water.

#### 6.2. Environmental Precautions

Keep out of sewers, streams and waterways.

#### 6.3. Methods and material for containment and cleaning up

Scoop up and transfer to a suitable container for disposal.

#### 6.4. Reference to other sections

Refer to section 13 for disposal advice.

#### **SECTION 7: HANDLING AND STORAGE**

## 7.1. Precautions for safe handling

Utilize exposure controls and personal protection as specified in Section 8. Wash hands thoroughly after handling. Remove contaminated clothing immediately. Wash clothing before reuse. Contaminated work clothing must not be allowed out of the workplace. Contaminated leather including shoes cannot be decontaminated and should be discarded.

### 7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry area.

### 7.3. Specific end use(s)

No special precautions.

### **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

### 8.1. Control parameters

### Occupational exposure limit values

Ingredients	OSH <i>A</i> ppm	N PEL <sup>1</sup> mg/m <sup>3</sup>	ACGII ppm	H TLV <sup>2</sup> mg/m <sup>3</sup>	UK V ppm	VEL <sup>3</sup> mg/m <sup>3</sup>	AUSTR <i>A</i> ppm	NLIA ES <sup>4</sup> mg/m <sup>3</sup>
Formaldehyde polymer with 1,3-benzenedimethanamine and phenol	-	-	-	-	-	-	-	-
m-Phenylenebis(methylamine)	_	_	(skin)	0.1 (Ceiling)	_	-	(Peak)	0.1
Nitric acid, ammonium calcium salt	_	-	_	-	-	-	-	_
Ethanol	1000	1900	STEL: 1000	-	1000	1920	1000	1880
Iron oxide	(total) (resp.)	15 5	(total) (resp.)	10 3	_	-	-	_
N-(3- (trimethoxysilyl)propyl)ethylene diamine		_	_	_	_	-	-	_
Silicon carbide	(total) (resp.)	15 5	(total) (resp.)	10 3	(total) (resp.)	10 4	-	10

<sup>&</sup>lt;sup>1</sup> United States Occupational Health & Safety Administration permissible exposure limits

<sup>&</sup>lt;sup>2</sup> American Conference of Governmental Industrial Hygienists threshold limit values

<sup>&</sup>lt;sup>3</sup> EH40 Workplace exposure limits, Health & Safety Executive

<sup>&</sup>lt;sup>4</sup> Adopted National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003]

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## Derived No Effect Level (DNEL) according to Regulation (EC) No 1907/2006:

#### Workers

Substance	Route of exposure	Potential health effects	DNEL
Nitric acid, ammonium calcium salt	Inhalation	Chronic effects, systemic	98 mg/m <sup>3</sup>
	Dermal	Chronic effects, systemic	13.9 mg/kg bw/day
N-(3- (trimethoxysilyl)propyl)ethylenediamine	Inhalation	Chronic effects, systemic	35.3 mg/m <sup>3</sup>
		Chronic effects, local / Acute effects, local	No hazard identified
	Dermal	Chronic effects, systemic	5 mg/kg bw/day
		Acute effects, systemic	5 mg/kg bw/day

# Predicted No Effect Concentration (PNEC) according to Regulation (EC) No 1907/2006:

Substance	Environmental protection target	PNEC
Nitric acid, ammonium calcium salt	Fresh water	0.45 mg/l
	Marine water	0.045 mg/l
	Water, intermittent release	4.5 mg/l
	Microorganisms in sewage treatment	18 mg/l
N-(3-	Fresh water	0.062 mg/l
(trimethoxysilyl)propyl)ethylenediamine		
	Freshwater sediments	0.048 mg/kg
	Water, intermittent release	0.62 mg/l
	Marine water	0.0062 mg/l
	Marine sediments	0.0048 mg/kg
	Microorganisms in sewage treatment	25 mg/l
	Soil (agricultural)	0.0075 mg/kg

## 8.2. Exposure controls

### 8.2.1. Engineering measures

Provide sufficient ventilation to keep the vapor concentrations below the exposure limits.

### 8.2.2. Individual protection measures

Respiratory protection: Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator

(e.g., EN filter type A/P).

Protective gloves: Chemical resistant gloves (e.g., nitrile rubber, butyl rubber, neoprene, PVC)

Eye and face protection: Safety goggles.

**Other:** Impervious clothing as necessary to prevent skin contact.

## 8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

# 9.1. Information on basic physical and chemical properties

• •		
paste	Odour	ammonia/alcohol
black	Odour threshold	not determined
not determined	Vapour pressure @ 20°C	not determined
not determined	% Aromatics by weight	none
6.05%	pH	not applicable
70°C (170°F)	Relative density	1.478 kg/l
PM Closed Cup	Weight per volume	12.3 lbs/gal.
not determined	Coefficient (water/oil)	> 1
not determined	Vapour density (air=1)	> 1
not determined	Rate of evaporation (ether=1)	< 1
not determined	Solubility in water	insoluble
not applicable	Oxidising properties	not determined
not determined		
	black not determined not determined 6.05% 70°C (170°F) PM Closed Cup not determined not determined not determined not determined not determined	black not determined vapour pressure @ 20°C not determined 6.05% 70°C (170°F) PM Closed Cup not determined Napour density (air=1) not determined Solubility in water  Not applicable Oxidising properties

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#### 9.2. Other information

None

#### **SECTION 10: STABILITY AND REACTIVITY**

### 10.1. Reactivity

Refer to sections 10.3 and 10.5.

### 10.2. Chemical stability

Stable

## 10.3. Possibility of hazardous reactions

No dangerous reactions known under conditions of normal use.

#### 10.4. Conditions to avoid

None

## 10.5. Incompatible materials

Strong acids and strong oxidizers like liquid Chlorine and concentrated Oxygen.

### 10.6. Hazardous decomposition products

Carbon Monoxide, Carbon Dioxide, NOx, Ammonia and other toxic fumes (by combustion).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### 11.1. Information on toxicological effects

Primary route of exposure under normal use:

Inhalation, skin and eye contact. Personnel with pre-existing allergies and skin and eye disorders

may be aggravated by exposure.

Acute toxicity -

Oral: ATE-mix > 3243 mg/kg

Substance	Test	Result
Formaldehyde polymer with 1,3-	LD50, rat	> 2000 mg/kg
benzenedimethanamine and phenol		
m-Phenylenebis(methylamine)	LD50, rat	930 mg/kg
Nitric acid, ammonium calcium salt	cATpE	500 mg/kg
Ethanol	LD50, rat	6200 mg/kg
N-(3-(trimethoxysilyl)propyl)ethylenediamine	LD50, rat	2413 mg/kg
Silicon carbide	NOAEL, rat	2000 mg/kg

**Dermal:** Based on available data on components, the classification criteria are not met.

Substance	Test	Result
Formaldehyde polymer with 1,3-	LD50, rabbit	2020 mg/kg
benzenedimethanamine and phenol		
m-Phenylenebis(methylamine)	LD50, rabbit	≈ 2000 mg/kg
Nitric acid, ammonium calcium salt	LD50, rat	> 2000 mg/kg
Ethanol	LDLo, rabbit	20000 mg/kg
N-(3-(trimethoxysilyl)propyl)ethylenediamine	LD50, rabbit	2009 mg/kg
Silicon carbide	NOAEL, rat	2000 mg/kg

**Inhalation:** Excessive inhalation of vapors or mists can cause coughing, chest tightness and difficulty

breathing.

Substance	Test	Result
m-Phenylenebis(methylamine)	LC50, rat, 4 h	95.6 mg/l
Ethanol	LC50, rat, 4 h	95.6 mg/l
N-(3-(trimethoxysilyl)propyl)ethylenediamine	LC50 rat, mist	> 1.49 mg/l

**Skin corrosion/irritation:** May cause burns.

Substance	Test	Result
ARC 5 (Part B)	OECD 435	Non-corrosive

Serious eye damage/

irritation:

Risk of serious damage to eyes.

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Respiratory or skin

sensitisation:

May cause an allergic skin reaction.

Germ cell mutagenicity:

Hazardous ingredients: based on available data, the classification criteria are not met.

Carcinogenicity:

This product contains no carcinogens as listed by the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC), the Occupational Safety and Health

Administration (OSHA) or Regulation (EC) No 1272/2008. None known

Reproductive toxicity:

Ethanol: based on available data, the classification criteria are not met. Other ingredients: data

lacking.

STOT – single exposure:

Excessive inhalation of vapors or mists can cause coughing, chest tightness and difficulty

breathing.

STOT - repeated exposure:

Ethanol, Silicon carbide, Nitric acid, ammonium calcium salt: based on available data, the

classification criteria are not met. m-Phenylenebis(methylamine): data lacking.

Aspiration hazard:

Not expected to be an aspiration toxicant based on viscosity.

Other information:

None known

#### **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

### 12.1. Toxicity

Very toxic to aquatic life with long lasting effects.

### 12.2. Persistence and degradability

Unreacted components (Parts A and B), improperly released to the environment, can cause ground and water pollution. m-Phenylenebis(methylamine): biodegradation, OECD 301B (28 days) = 49%, not readily biodegradable. Ethanol: readily biodegradable; oxidizes rapidly by photochemical reactions in air.

### 12.3. Bioaccumulative potential

m-Phenylenebis (methylamine): low potential for bioaccumulation (BCF < 100). Ethanol: low potential for bioaccumulation (log Kow = -0.31).

#### 12.4. Mobility in soil

Paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Nitric acid, ammonium calcium salt: expected to be highly mobile in soil. Ethanol: expected to have very high mobility in soils (Koc = 2.75).

#### 12.5. Results of PBT and vPvB assessment

Not available

### 12.6. Other adverse effects

None known

## **SECTION 13: DISPOSAL CONSIDERATIONS**

#### 13.1. Waste treatment methods

Unreacted components are a special waste (classified as hazardous according to 2008/98/EC). Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with a properly licensed facility. May be incinerated at an appropriate facility. Check local, state and national/federal regulations and comply with the most stringent requirement.

#### **SECTION 14: TRANSPORT INFORMATION**

# 14.1. UN number

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE TDG: NOT APPLICABLE US DOT: NOT APPLICABLE

14.2. UN proper shipping name

ADR/RID/ADN/IMDG/ICAO:

TDG:

NON-HAZARDOUS, NON REGULATED
NON-HAZARDOUS, NON REGULATED
NON-HAZARDOUS, NON REGULATED

14.3. Transport hazard class(es)

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE NOT APPLICABLE US DOT: NOT APPLICABLE

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14.4. Packing group

ADR/RID/ADN/IMDG/ICAO: NOT APPLICABLE TDG: NOT APPLICABLE US DOT: NOT APPLICABLE

14.5. Environmental hazards

NOT APPLICABLE

14.6. Special precautions for user

NOT APPLICABLE

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

NOT APPLICABLE

14.8. Other information

**NOT APPLICABLE** 

#### **SECTION 15: REGULATORY INFORMATION**

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

15.1.1. EU regulations

Authorisations under Title VII: Not applicable

Restrictions under Title VIII: None

Other EU regulations: Directive 94/33/EC on the protection of young people at work.

15.1.2. National regulations

US EPA SARA TITLE III

312 Hazards: 313 Chemicals:

See section 2.1.2 None

Other national regulations: National implementation of the EC Directive referred to in section 15.1.1.

15.2. Chemical safety assessment

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

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#### **SECTION 16: OTHER INFORMATION**

Abbreviations ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

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

ATE: Acute Toxicity Estimate BCF: Bioconcentration Factor

cATpE: Converted Acute Toxicity point Estimate

CLP: Classification Labelling Packaging Regulation (1272/2008/EC)

ES: Exposure Standard

GHS: Globally Harmonized System

ICAO: International Civil Aviation Organization IMDG: International Maritime Dangerous Goods LC50: Lethal Concentration to 50 % of a test population

LD50: Lethal Dose to 50% of a test population

LOEL: Lowest Observed Effect Level

N/A: Not Applicable

NA: Not Available

NOEC: No Observed Effect Concentration

NOEL: No Observed Effect Level

OECD: Organization for Economic Co-operation and Development

PBT: Persistent, Bioaccumulative and Toxic substance (Q)SAR: Quantitative Structure-Activity Relationship

REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (1907/2006/EC)

**REL**: Recommended Exposure Limit

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

SDS: Safety Data Sheet

STEL: Short Term Exposure Limit

STOT RE: Specific Target Organ Toxicity, Repeated Exposure STOT SE: Specific Target Organ Toxicity, Single Exposure

TDG: Transportation of Dangerous Goods (Canada)

TWA: Time Weighted Average

US DOT: United States Department of Transportation vPvB: very Persistent and very Bioaccumulative substance

WEL: Workplace Exposure Limit

WHMIS: Workplace Hazardous Materials Information System

Other abbreviations and acronyms can be looked up at www.wikipedia.org.

Key literature references

Commission des normes, de l'équité, de la santé et de la sécurité du travail (CNESST)

and sources for data: Chemical Classification and Information Database (CCID)

European Chemicals Agency (ECHA) - Information on Chemicals

Hazardous Chemical Information System (HCIS)
National Institute of Technology and Evaluation (NITE)

Swedish Chemicals Agency (KEMI)

U.S. National Library of Medicine Toxicology Data Network (TOXNET)

## Procedure used to derive the classification for mixtures according to Regulation (EC) No 1272/2008 [CLP]:

Classification	Classification procedure
Skin Corr. 1B, H314	Calculation method
Eye Dam, H318	Calculation method
Skin Sens. 1, H317	Calculation method
Aquatic Acute 1, H400	Calculation method
Aquatic Chronic 1, H410	Calculation method

Relevant H-statements: EUH071: Corrosive to the respiratory tract.

H225: Highly flammable liquid and vapour.

H252: Self-heating in large quantities; may catch fire.

H302: Harmful if swallowed.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H332: Harmful if inhaled.

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.

Hazard pictogram names: Corrosion, exclamation mark, environment

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Changes to the SDS in this revision: Sections 2.1, 2.2, 3, 4.1, 5.1, 5.2, 6.1, 7.1, 8.1, 8.2.2, 11, 12.4, 15.1.2, 16.

Date of last revision: 26 September 2018

Further information: None

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the suitability of the product for the user's particular purpose. The user must make their own determination as to suitability.

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