

SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2022 and Safe Work Australia

Revision date: 12 July 2024 Date of previous issue: 4 November 2021 SDS No. 479-1

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

1.1. Product identifier

ARC EG-1 FC (Part B)

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

Relevant identified uses: ARC Polymer Composite. Repair damage caused by impact, abrasion, erosion or corrosion.

Rebuild worn areas. Fill holes and cracks.

Uses advised against: No information available
Reason why uses advised against: Not applicable
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

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

E-mail (SDS questions): ProductSDSs@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

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 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS

Acute toxicity, Category 4, H302, H332 Acute toxicity, Category 5, H313 Skin corrosion, Category 1B, H314 Serious eye damage, Category, H318 Skin sensitization, Category 1, H317

Germ cell mutagenicity, Category 2, H341

Specific target organ toxicity - repeated exposure, Category 2, H373 (kidneys, liver, skin, nervous system)

Hazardous to the aquatic environment, Chronic, Category 3, H412

2.1.2. Additional information

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

2.2. Label elements

Labeling according to 29 CFR 1910.1200 / WHMIS 2022 / Safe Work Australia / GHS

Hazard pictograms:



Signal word: Danger

Hazard statements: H302/332 Harmful if swallowed or if inhaled. H313 May be harmful in contact with skin. H314 Causes severe skin burns and eye damage. May cause an allergic skin reaction. H317 Suspected of causing genetic defects. H341 May cause damage to organs (liver, kidneys, skin, nervous system) through H373 prolonged or repeated exposure. Harmful to aquatic life with long lasting effects. H412 **Precautionary statements:** P201 Obtain special instructions before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe vapours. P264 Wash skin thoroughly after handling.

P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P271 Use only outdoors or in a well-ventilated area.
 P272 Contaminated work clothing must not be allowed out of the workplace.

P272 Contaminated work clothing must not be allowed out of the workplace 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.

P363 Wash contaminated clothing before reuse.

P304/340 IF INHALED: Remove person to fresh air and keep comfortable for breathing. P310 Immediately call a POISON CENTER or doctor.

P310 Immediately call a POISON CENTER or doctor.
P305/351/338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.
P308/313 IF exposed or concerned: Get medical advice/attention.

P405 Store locked up.

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

Supplemental information: None

2.3. Other hazards

Date: 12 July 2024

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, Part B and Part C.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

| 3.2. Mixtures | | | |
|--|---------|-------------|---|
| Hazardous Ingredients ¹ | % Wt. | CAS No. | GHS Classification |
| Benzyl alcohol | 10 - 30 | 100-51-6 | Acute Tox. 4, H302, H332 Eye Irrit. 2 ^a , H319 |
| Methyleneoxide, polymer with benzenamine, hydrogenated | 10 - 30 | 135108-88-2 | Acute Tox. 3, H301 Skin Corr. 1C, H314 Skin Sens. 1, H317 STOT RE, H373 (oral, kidneys) Aquatic Chronic 3, H412 |
| Phenol | 4 - 12 | 108-95-2 | Acute Tox. 3, H301, H331 (dust/mist) Skin Corr. 1C, H314 (C ≥ 3 %) Muta. 2, H341 STOT RE, H373 (kidneys, liver, skin, nervous system) |
| m-Phenylenebis(methylamine) (Synonym: m-Xylene-alpha, alpha'-Diamine) | 3 - 10 | 1477-55-0 | Acute Tox. 4, H302, H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1B, H317 Aquatic Chronic 3, H412 |
| N,N'-bis(3-aminopropyl)ethylenediamine | 1-7 | 10563-26-5 | Acute Tox. 4, H302 Acute Tox. 3, H311 Skin Corr. 1B, H314 Eye Dam. 1, H318 Skin Sens. 1, H317 Aquatic Chronic 3, H412 |
| 2,4,6-Tris(dimethylaminomethyl)phenol | 1 - 7 | 90-72-2 | Acute Tox. 4, H302/312 Skin Corr. 1C, H314 Eye Dam. 1, H318 |

SDS No. 479-1

Date: 12 July 2024 SDS No. 479-1

For full text of H-statements: see SECTION 16.

¹ Classified according to: 29 CFR 1910.1200, 1915, 1916, 1917, Mass. Right-to-Know Law (ch. 40, M.G.L..O. 111F), WHMIS 2022, Safe Work

Australia, GHS

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. Consult physician.

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

Ingestion: Never give anything by mouth to an unconscious person. Do not induce vomiting without medical advice.

Prevent aspiration of vomit. Turn victim's head to the side.

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. Provide adequate ventilation. Avoid breathing vapors.

See section 8.2.2 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 skin sensitization as evidenced by rashes or hives. Repeated and/or prolonged exposure to low concentrations of vapors may cause: sore throat.

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

Treat symptoms.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, dry sand, limestone powder, alcohol-resistant foam, water fog

Unsuitable extinguishing media: No data available

5.2. Special hazards arising from the substance or mixture

Hazardous combustion products: Burning produces noxious and toxic fumes. May generate: ammonia gas, toxic nitrogen

oxide gases. Incomplete combustion may form carbon monoxide.

Other hazards: 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.

5.3. Advice for firefighters

Cool exposed containers with water. Use personal protective equipment. Recommend Firefighters wear self-contained breathing apparatus.

Australian HAZCHEM Emergency Action Code: 2 Y

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate area. Use self-contained breathing apparatus and chemically protective clothing. Utilize exposure controls and personal protection as specified in Section 8.

6.2. Environmental Precautions

Contain spill to a small area. 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

Avoid all direct contact. Avoid breathing vapors. Utilize exposure controls and personal protection as specified in Section 8. Remove contaminated clothing immediately. Wash clothing before reuse. Contaminated leather including shoes cannot be decontaminated and should be discarded. Do not contaminate with sodium nitrite or other nitrosating agents, which could cause the formation of cancer-causing nitrosamine. Do not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

Do not store near acids. Store in a cool, dry and well-ventilated area. Keep container tightly closed.

Date: 12 July 2024 SDS No. 479-1

7.3. Specific end use(s)

No special precautions.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Occupational exposure limit values

| Ingredients | OSHA | PEL ¹ | ACGIH | TLV^2 | AUSTR | ALIA ES ³ |
|--|----------|------------------|---------------------------|---------|----------|----------------------|
| | ppm | mg/m³ | ppm | mg/m³ | ppm | mg/m³ |
| Benzyl alcohol | N/A | N/A | N/A | N/A | N/A | N/A |
| Methyleneoxide, polymer with benzenamine, hydrogenated | N/A | N/A | N/A | N/A | N/A | N/A |
| Phenol | 5 (skin) | 19 | 5 (skin) | N/A | 1 (skin) | 4 |
| m-Phenylenebis(methylamine)* | N/A | N/A | 0.018 (skin) (Ceiling) | N/A | (skin) | 0.1 (Peak) |
| N,N'-bis(3- aminopropyl)ethylenediamine | N/A | N/A | N/A | N/A | N/A | N/A |
| 2,4,6- Tris(dimethylaminomethyl)phenol | N/A | N/A | N/A | N/A | N/A | N/A |

^{*} U.S. National Institute for Occupational Safety and Health (NIOSH) REL: 0.1 mg/m³ (Ceiling)

Biological limit values

Phenol:

| Control parameter | Biological specimen | Sampling Time | Limit value | Basis | Notes |
|-------------------|---------------------|---------------|------------------------|-------|----------------------------|
| Phenol | Urine | End of shift | 250 mg/g creatinine | ACGIH | Background, Nonspecific |

8.2. Exposure controls

8.2.1. Engineering measures

Provide sufficient ventilation to keep the concentrations below the exposure limits. Provide readily accessible eye wash stations and safety showers.

8.2.2. Individual protection measures

Respiratory protection: In case of insufficient ventilation, utilize an approved organic vapor respirator (e.g., EN filter type A-

P2).

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

Eye and face protection: Full face shield with goggles underneath.

Other: Impervious clothing as necessary to prevent skin contact.

8.2.3. Environmental exposure controls

Refer to sections 6 and 12.

¹ United States Occupational Health & Safety Administration permissible exposure limits

² American Conference of Governmental Industrial Hygienists threshold limit values

³ Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

Date: 12 July 2024 SDS No. 479-1

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

not applicable

Physical state liquid pH alkaline

 Colour
 amber
 Kinematic viscosity
 1,600 cPs @ 25°C (77°F)

 Odour
 solubility in water
 not determined

OdourammoniacalSolubility in waternot determinedOdour thresholdnot applicablePartition coefficientnot applicable

n-octanol/water (log value)

Rate of evaporation (ether=1)

< 1

Boiling point or range not applicable Vapour pressure @ 20°C not determined Melting point/freezing point Density and/or relative density not applicable 1.09 kg/l % Volatile (by volume) not applicable Weight per volume 8.35 lbs/gal. **Flammability** Vapour density (air=1) not determined not determined

Lower/upper flammability or

explosion limits

> 100°C (> 212°F) Flash point % Aromatics by weight not applicable Method Closed Cup Particle characteristics not applicable **Autoignition temperature** not applicable **Explosive properties** not applicable **Decomposition temperature** not applicable **Oxidising properties** not applicable

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

No data available

10.5. Incompatible materials

Strong oxidizing agents. Mineral and organic acids. Reactive metals (e.g. sodium, calcium, zinc, etc.) Materials reactive with hydroxyl compounds. Product slowly corrodes copper, aluminum, zinc and galvanized surfaces. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.

10.6. Hazardous decomposition products

Nitric acid, NOx, Ammonia, Carbon Monoxide, Carbon Dioxide, aldehydes, flammable hydrocarbon fragments and other toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Primary route of exposure under normal use:
Acute toxicity -

Inhalation, skin and eye contact. Personnel with pre-existing skin or lung allergies may be

aggravated by exposure.

Oral: Harmful if swallowed. ATE-mix = 671.9 mg/kg.

| Substance | Test | Result |
|---------------------------------------|------------|-------------|
| Benzyl alcohol | LD50, rat | 1,620 mg/kg |
| Methyleneoxide, polymer with | LD50, rat | 300 mg/kg |
| benzenamine, hydrogenated | | |
| Phenol | LDLo human | 140 mg/kg |
| m-Phenylenebis(methylamine) | LD50, rat | 930 mg/kg |
| N,N'-bis(3- | LD50, rat | 1200 mg/kg |
| aminopropyl)ethylenediamine | | |
| 2,4,6-Tris(dimethylaminomethyl)phenol | LD50, rat | 1200 mg/kg |

Date: 12 July 2024 **SDS No.** 479-1

Dermal: May be harmful in contact with skin. ATE-mix = 2,243.2 mg/kg.

| Substance | Test | Result |
|---------------------------------------|--------------|---------------|
| Benzyl alcohol | LD50, rabbit | > 2,000 mg/kg |
| Methyleneoxide, polymer with | LD50, rabbit | 2,673 mg/kg |
| benzenamine, hydrogenated | | (estimated) |
| Phenol | LD50, rat | 525 mg/kg |
| m-Phenylenebis(methylamine) | LD50, rabbit | > 2,000 mg/kg |
| N,N'-bis(3- | LD50, rabbit | 300 mg/kg |
| aminopropyl)ethylenediamine | | |
| 2,4,6-Tris(dimethylaminomethyl)phenol | LD50, rat | 1,280 mg/kg |

Inhalation: Harmful if inhaled. ATE-mix = 16.41 mg/l (vapour); 2.31 mg/l (mist).

| Substance | Test | Result |
|-----------------------------|-----------|----------------------|
| Benzyl alcohol | LC50, rat | > 4.178 mg/l (mist) |
| | | ≈ 8.8 mg/l (vapour) |
| Phenol | LC50, rat | 0.5 mg/l (dust/mist, |
| | | cATpE) |
| m-Phenylenebis(methylamine) | LC50, rat | 1.34 mg/l (mist) |

Skin corrosion/irritation: Causes burns.

| Substance | Test | Result |
|--|------------------------------------|----------------|
| Benzyl alcohol | Skin irritation, rabbit (OECD 404) | Not irritating |
| Methyleneoxide, polymer with benzenamine, hydrogenated | In vitro test | Corrosive |
| m-Phenylenebis(methylamine) | Skin irritation, rabbit (OECD 404) | Corrosive |
| 2,4,6-Tris(dimethylaminomethyl)phenol | Skin irritation, rabbit (OECD 404) | Corrosive |

Serious eye damage/ irritation:

Causes serious eye damage.

| Substance | Test | Result |
|---------------------------------------|------------------------|-------------------|
| 2,4,6-Tris(dimethylaminomethyl)phenol | Eye irritation, rabbit | Severe irritation |

Respiratory or skin sensitisation:

May cause skin sensitization as evidenced by rashes or hives.

Germ cell mutagenicity:

Suspected of causing genetic defects. Phenol: micronucleus test (OECD 474) mouse, male and female, positive. Methyleneoxide, polymer with benzenamine, hydrogenated: OECD 471 (Ames test) 473, negative. (chromosomal aberration). Benzyl alcohol, m-Phenylenebis(methylamine): 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 the European Chemicals Agency (ECHA).

Reproductive toxicity: Benzyl alcohol, N,N'-bis(3-aminopropyl)ethylenediamine: based on available data, the

classification criteria are not met.

Benzyl alcohol, N,N'-bis(3-aminopropyl)ethylenediamine: based on available data, the STOT – single exposure:

classification criteria are not met.

STOT - repeated exposure: Phenol: may cause damage to the nervous system, liver, kidneys and skin through prolonged or

repeated exposure. Methyleneoxide, polymer with benzenamine, hydrogenated: may cause damage to the kidneys through prolonged or repeated exposure. Benzyl alcohol, N,N'-bis(3aminopropyl)ethylenediamine: based on available data, the classification criteria are not met.

Aspiration hazard: Not classified as an aspiration toxicant.

Other information: None known

Date: 12 July 2024 SDS No. 479-1

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

Harmful to aquatic life with long lasting effects. Benzyl alcohol: 96 h LC50 (fish) 10 mg/l; 72 h lC50 (for algae) 700 mg/l. Methyleneoxide, polymer with benzenamine, hydrogenated: 48 h EC50 (for daphnia) = 15.4 mg/l. m-Phenylenebis(methylamine): 72 h EC50 (for algae): 12 mg/l.

12.2. Persistence and degradability

Unreacted components (Parts A and B), improperly released to the environment, can cause ground and water pollution. Benzyl alcohol: expected to biodegrade relatively quickly. m-Phenylenebis(methylamine), biodegradation, OECD 301B (28 days): 49%, not readily biodegradable.

12.3. Bioaccumulative potential

Benzyl alcohol: low potential for bioaccumulation. Methyleneoxide, polymer with benzenamine, hydrogenated: does not bioaccumulate. m-Phenylenebis(methylamine): low potential for bioaccumulation (BCF < 100).

12.4. Mobility in soil

Liquid. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). m-Phenylenebis(methylamine), log Kow (QSAR): 3.11.

12.5. Endocrine disrupting properties

None known

12.6. Other adverse effects

None known

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Combine resin and curative. The final cured material is considered nonhazardous. Landfill sealed containers with a properly licensed facility. Unreacted components are a special waste. Check local, state and national/federal regulations and comply with the most stringent requirement.

SECTION 14: TRANSPORT INFORMATION

14.1. UN number or ID number

 ADG/ADR/RID/ADN/IMDG/ICAO:
 UN2735

 TDG:
 UN2735

 US DOT:
 UN2735

14.2. UN proper shipping name

ADG/ADR/RID/ADN/IMDG/ICAO: AMINES, LIQUID, CORROSIVE, N.O.S.

(M-PHENYLENEBIS(METHYLAMINE) / TERTIARY AMINE)

TDG: AMINES, LIQUID, CORROSIVE, N.O.S.

(M-PHENYLENEBIS(METHYLAMINE) / TERTIARY AMINE)

US DOT: AMINES, LIQUID, CORROSIVE, N.O.S.

(M-PHENYLENEBIS(METHYLAMINE) / TERTIARY AMINE)

14.3. Transport hazard class(es)

ADG/ADR/RID/ADN/IMDG/ICAO: 8
TDG: 8
US DOT: 8
14.4. Packing group

ADG/ADR/RID/ADN/IMDG/ICAO: II
TDG: II
US DOT: II

14.5. Environmental hazards

NC

14.6. Special precautions for user

NO SPECIAL PRECAUTIONS FOR USER

14.7. Maritime transport in bulk according to IMO instruments

NOT APPLICABLE

14.8. Other information

US DOT: ERG NO. 153

MAY BE SHIPPED AS LIMITED QUANTITIES IN PACKAGING HAVING A RATED CAPACITY GROSS WEIGHT OF 66 LB. OR LESS AND IN INNER PACKAGES NOT OVER 1 LITER (49 CFR 173.154 (B),(1))

Date: 12 July 2024 SDS No. 479-1

IMDG: EMS F-A, S-B, IMDG SEGREGATION GROUP 18-ALKALIS ADR: CLASSIFICATION CODE C7, TUNNEL RESTRICTION CODE (E)

ADG HAZCHEM CODE: 2X HIN: 88/80

SECTION 15: REGULATORY INFORMATION

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

15.1.1. National regulations

US EPA SARA TITLE III

312 Hazards:

Chemicals subject to reporting requirements of Section 313 of

108-95-2

4 - 12%

EPCRA and of 40 CFR 372:

Acute toxicity

Skin corrosion Serious eye damage

Skin sensitization

Germ cell mutagenicity

TSCA: All components are listed or exempted.

Other national regulations: None

SECTION 16: OTHER INFORMATION

Abbreviations ADG: Australian Dangerous Goods Code

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

Phenol

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

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

(Q)SAR: Quantitative Structure-Activity Relationship

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)

TDG. Transportation of Dangerous Goods (

TWA: Time Weighted Average

US DOT: United States Department of Transportation WHMIS: Workplace Hazardous Materials Information System

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

Key literature references and sources for data:

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

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)

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

Date: 12 July 2024 SDS No. 479-1

Procedure used to derive the classification for mixtures according to GHS:

| Classification | Classification procedure |
|--------------------------|--------------------------|
| Acute Tox. 4, H302, H332 | Calculation method |
| Acute Tox. 5, H313 | Calculation method |
| Skin Corr. 1B, H314 | Calculation method |
| Eye Dam, H318 | Calculation method |
| Skin Sens. 1, H317 | Calculation method |
| Muta. 2, H341 | Calculation method |
| STOT RE 2, H373 | Calculation method |
| Aquatic Chronic 3, H412 | Calculation method |

Relevant H-statements: H301: Toxic if swallowed.

> H302: Harmful if swallowed. H311: Toxic in contact with skin. H312: Harmful in contact with skin.

H313: May be harmful in contact with skin.

H314: Causes severe skin burns and eye damage.

H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation.

H332: Harmful if inhaled.

H341: Suspected of causing genetic defects.

H373: May cause damage to organs through prolonged or repeated exposure.

H412: Harmful to aquatic life with long lasting effects.

Hazard pictogram names: Corrosion, health hazard, exclamation mark

Further information: None

12 July 2024

Date of last revision:

Sections 1.2, 1.3, 3, 4.2, 5.2, 6.2, 8.1, 9.1, 11, 12.5, 15.1, 16. Changes to the SDS in this revision:

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.