

## SAFETY DATA SHEET

in accordance with 29 CFR 1910.1200, WHMIS 2015 and Safe Work Australia

**Revision date:** 27 July 2023

**Date of previous issue:** 8 January 2018

**SDS No.** 374A-11

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

#### 1.1. Product identifier

ARC CS2 (Part A) (LTGY)

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

**Relevant identified uses:** For use as a coating on properly prepared surfaces where mild chemical and abrasion exposures are anticipated.

**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:**

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](http://www.chesterton.com)

E-mail (SDS questions): [ProductSDSs@chesterton.com](mailto:ProductSDSs@chesterton.com)

E-mail: [customer.service@chesterton.com](mailto:customer.service@chesterton.com)

**Supplier:**

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 2015 / Safe Work Australia / GHS

Flammable liquid, Category 4, H227

Skin irritation, Category 2, H315

Eye irritation, Category 2, H319

Skin sensitization, Category 1, H317

Reproductive toxicity, Category 1B, H360D

Hazardous to the aquatic environment, Chronic, Category 2, H411

##### 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 2015 / Safe Work Australia / GHS**

**Hazard pictograms:**



**Signal word:**

Danger

<b>Hazard statements:</b>	H227	Combustible liquid.
	H315	Causes skin irritation.
	H319	Causes serious eye irritation.
	H317	May cause an allergic skin reaction.
	H360D	May damage the unborn child.
	H411	Toxic to aquatic life with long lasting effects.
<b>Precautionary statements:</b>	P201	Obtain special instructions before use.
	P202	Do not handle until all safety precautions have been read and understood.
	P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P261	Avoid breathing mist.
	P264	Wash skin thoroughly after handling.
	P272	Contaminated work clothing must not be allowed out of the workplace.
	P273	Avoid release to the environment.
	P280	Wear protective gloves and eye/face protection.
	P302/352	IF ON SKIN: Wash with plenty of soap and water.
	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.
	P362/364	Take off contaminated clothing and wash it 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.	
<b>Supplemental information:</b>	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.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2. Mixtures**

Hazardous Ingredients <sup>1</sup>	% Wt.	CAS No.	GHS Classification
Epoxy resin (number average molecular weight <= 700)	55 - 65	1675-54-3 *	Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Irrit. 2, H319 Aquatic Chronic 2, H411
[[[2-Ethylhexyl]oxy]methyl]oxirane (Synonym: Ethyl Hexyl Glycidyl Ether)	7 - 13	2461-15-6	Skin Irrit. 2, H315 Skin Sens. 1A, H317
N-methyl-2-pyrrolidone	0.1 - 0.5	872-50-4	Flam. Liq. 4, H227 Repr. 1B, H360D Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335

**Other ingredients:**

Titanium dioxide	3 - 6	13463-67-7	Not classified*** <sup>a</sup>
Silica (Quartz)	1 - 3	14808-60-7	Not classified***

\* Alternative CAS No: 25068-38-6. \*\* Alternative CAS No: 28064-14-4.

\*\*\* Substance with a workplace exposure limit.

<sup>a</sup> Contains less than 1 % of particles with aerodynamic diameter ≤ 10 µm.

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

<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), WHMIS 2015, 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:** Remove 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 if irritation persists.
- Ingestion:** Wash out mouth with water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. 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. In case of insufficient ventilation, wear suitable respiratory equipment. See section 8.2.2 for recommendations on personal protective equipment.

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

Moderate eye and skin irritant. Moderate sensitizer as evidenced by rashes, hives and other allergic reactions.

**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, foam or water fog

**Unsuitable extinguishing media:** No data available

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

**Hazardous combustion products:** Carbon monoxide, carbon dioxide.

**Other hazards:** Do not allow runoff from firefighting to enter drains or water courses.

**5.3. Advice for firefighters**

Cool exposed containers with water. Keep away from sources of ignition - No smoking. If removal of ignition sources is not possible, then flush material away with water. Recommend Firefighters wear self-contained breathing apparatus.

**Australian HAZCHEM Emergency Action Code:** 2 Z

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1. Personal precautions, protective equipment and emergency procedures**

Avoid skin contact. Utilize exposure controls and personal protection as specified in Section 8.

**6.2. Environmental Precautions**

Keep out of sewers, streams and waterways.

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

Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in 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 breathing mist. 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. After handling, wash before eating, drinking or smoking. Avoid creating and breathing dust during removal, drilling, grinding, sawing or sanding.

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

Store between 10°C (50°F) and 32°C (90°F) in a 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	OSHA PEL <sup>1</sup>		ACGIH TLV <sup>2</sup>		AUSTRALIA ES <sup>3</sup>	
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>
Epoxy resin (number average molecular weight <= 700)	N/A	N/A	N/A	N/A	N/A	N/A
[[[2-Ethylhexyl)oxy]methyl]oxirane	N/A	N/A	N/A	N/A	N/A	N/A
N-methyl-2-pyrrolidone*	N/A	N/A	N/A	N/A	25 (skin)	103
					STEL: 75	STEL: 309
Titanium dioxide	(total)	15	N/A	10	N/A	10
Silica (Quartz)	(resp.)	0.05	(resp.)	0.025	(resp.)	0.05
	(total)	0.3				

\* American Industrial Hygiene Association (AIHA) recommended limit: 10 ppm (skin, 8-hr TWA)

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

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

<sup>3</sup> Safe Work Australia, Workplace Exposure Standards for Airborne Contaminants

**Biological limit values**

N-methyl-2-pyrrolidone:

Control parameter	Biological specimen	Sampling Time	Limit value	Basis	Notes
5-Hydroxy-N-methyl-2-pyrrolidone	Urine	End of shift	100 mg/l	ACGIH	–

**8.2. Exposure controls****8.2.1. Engineering measures**

Good general mechanical ventilation and local exhaust. If it is necessary to alter the final cured product such that dust may be generated, use adequate dust extraction or damp down.

**8.2.2. Individual protection measures**

**Respiratory protection:** If exposure limits are exceeded or product is sprayed, utilize suitable respiratory equipment.

**Protective gloves:** Chemical resistant gloves (e.g., butyl rubber, neoprene or 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**

<b>Physical state</b>	viscous paste	<b>pH</b>	not applicable
<b>Colour</b>	light gray	<b>Kinematic viscosity</b>	3,800-7600 cSt @ 25°C
<b>Odour</b>	sweet	<b>Solubility in water</b>	insoluble
<b>Odour threshold</b>	not determined	<b>Partition coefficient n-octanol/water (log value)</b>	not applicable
<b>Boiling point or range</b>	not determined	<b>Vapour pressure @ 20°C</b>	not determined
<b>Melting point/freezing point</b>	not determined	<b>Density and/or relative density</b>	1.31 kg/l
<b>% Volatile (by volume)</b>	0%	<b>Weight per volume</b>	10.93 lbs/gal.
<b>Flammability</b>	no data available	<b>Vapour density (air=1)</b>	> 1
<b>Lower/upper flammability or explosion limits</b>	not determined	<b>Rate of evaporation (ether=1)</b>	< 1
<b>Flash point</b>	80°C (176°F)	<b>% Aromatics by weight</b>	0%
<b>Method</b>	component data	<b>Particle characteristics</b>	not applicable
<b>Autoignition temperature</b>	not determined	<b>Explosive properties</b>	not applicable
<b>Decomposition temperature</b>	not determined	<b>Oxidising properties</b>	not applicable

**9.2. Other information**

VOC, EPA 24: 0.94 lbs/gal. (0.11 kg/l).

**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**

Excessive heat

**10.5. Incompatible materials**

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

**10.6. Hazardous decomposition products**

Carbon Monoxide, Carbon Dioxide and other toxic fumes.

**SECTION 11: TOXICOLOGICAL INFORMATION****11.1. Information on toxicological effects**

**Primary route of exposure under normal use:** Skin and eye contact. Personnel with pre-existing skin and eye disorders and skin allergies may be aggravated by exposure.

**Acute toxicity -****Oral:**

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

Substance	Test	Result
Epoxy resin (number average molecular weight <= 700)	LD50, rat	> 5,000 mg/kg
[[[2-Ethylhexyl]oxy]methyl]oxirane	LD50, rat	7,800 mg/kg
N-methyl-2-pyrrolidone	LD50, rat	3,598 mg/kg
Titanium dioxide	LD50, rat	> 10,000 mg/kg

**Dermal:**

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

Substance	Test	Result
Epoxy resin (number average molecular weight <= 700)	LD50, rabbit	> 2,000 mg/kg
[[[2-Ethylhexyl]oxy]methyl]oxirane	LD50, rabbit	> 2,000 mg/kg
N-methyl-2-pyrrolidone	LD50, rabbit	8,000 mg/kg
Titanium dioxide	LD50, rabbit	> 10,000 mg/kg

**Inhalation:**

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

Substance	Test	Result
Epoxy resin (CAS no. 1675-54-3)	LC0, rat, 5-8 hours	No mortality at vapor saturation level
N-methyl-2-pyrrolidone	LC50, rat, 4 h	> 5.1 mg/l (mist)
Titanium dioxide	LC50, rat, 4 hours	> 6.82 mg/l

**Skin corrosion/irritation:**

Causes skin irritation.

Substance	Test	Result
Epoxy resin (number average molecular weight <= 700)	Skin irritation, rabbit	Moderate irritation
Titanium dioxide	Skin irritation, rabbit	Not irritating

**Serious eye damage/irritation:**

Causes serious eye irritation.

Substance	Test	Result
Epoxy resin (CAS no. 1675-54-3)	Eye irritation, rabbit	Moderate irritation
Epoxy resin (CAS no. 28064-14-4)	Eye irritation, rabbit	Not irritating
Titanium dioxide	Eye irritation, rabbit	Not irritating

**Respiratory or skin sensitisation:**

May cause an allergic skin reaction.

Substance	Test	Result
Epoxy resin (number average molecular weight <= 700)	Skin sensitization, guinea pig	Sensitizing
N-methyl-2-pyrrolidone	Skin sensitization, mouse (OECD 429)	Not sensitizing
Titanium dioxide	Skin sensitization, guinea pig	Not sensitizing

**Germ cell mutagenicity:**

Epoxy resin (number average molecular weight <= 700), [(2-Ethylhexyl)oxy]methyl]oxirane, N-methyl-2-pyrrolidone, Titanium dioxide: based on available data, the classification criteria are not met.

**Carcinogenicity:**

The International Agency for Research on Cancer (IARC) has designated inhaled titanium dioxide as possibly carcinogenic to humans (group 2B). The titanium dioxide in this product does not separate from the mixture or in of itself become air-borne, therefore it does not present a hazard in normal use. Epoxy resin (number average molecular weight <= 700), N-methyl-2-pyrrolidone: based on available data, the classification criteria are not met.

**Reproductive toxicity:**

N-methyl-2-pyrrolidone has produced reproductive/teratogenic effects in animal studies. Epoxy resin (number average molecular weight <= 700), Titanium dioxide: based on available data, the classification criteria are not met.

**STOT – single exposure:**

Epoxy resin (number average molecular weight <= 700), Titanium dioxide: based on available data, the classification criteria are not met. [(2-Ethylhexyl)oxy]methyl]oxirane: data lacking. N-methyl-2-pyrrolidone: may cause respiratory irritation.

**STOT – repeated exposure:**

Epoxy resin (number average molecular weight <= 700), N-methyl-2-pyrrolidone, Titanium dioxide: based on available data, the classification criteria are not met.

Substance	Test	Result
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, oral, 90 days, rat, male / female (OECD 408)	50 mg/kg bw/day
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, dermal, 90 days, rat, male / female (OECD 411)	10 mg/kg bw/day
Epoxy resin (CAS no. 1675-54-3)	Sub-chronic NOAEL, dermal, 90 days, mouse, male (OECD 411)	100 mg/kg bw/day

**Aspiration hazard:**

Based on available data, the classification criteria are not met.

**Other information:**

None

**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**

Epoxy resin (number average molecular weight  $\leq 700$ ): moderately toxic to aquatic organisms on an acute basis (LC50/EC50 between 1 and 10 mg/l in the most sensitive species.); chronic NOEC, 21 days, Daphnia magna (OECD 211) 0.3 mg/l.

**12.2. Persistence and degradability**

Epoxy resin: not readily biodegradable. N-methyl-2-pyrrolidone: readily biodegradable. Titanium dioxide: inorganic substances.

**12.3. Bioaccumulative potential**

Epoxy resin: Octanol/water partition coefficient (log Kow) = 2.64 – 3.78; bioconcentration factor (QSAR)  $\leq 31$ , low potential for bioaccumulation. N-methyl-2-pyrrolidone: not expected to bioaccumulate (log Kow  $< 1$ ).

**12.4. Mobility in soil**

Viscous paste. Insoluble in water. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9). Epoxy resin: if product enters soil, it will be mobile and may contaminate groundwater (Log Koc  $\leq 3.65$ ). N-methyl-2-pyrrolidone: expected to have very high mobility in soils.

**12.5. Endocrine disrupting properties**

This product does not contain any substances at levels of 0.1% or higher that are assessed as having endocrine disrupting properties with respect to non-target organisms, in accordance with the criteria in Regulations (EC) 1907/2006, (EU) 2017/2100 and (EU) 2018/605.

**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 stabilized and solidified liquids with a properly licensed facility. Unreacted components are a special waste. 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 or ID number**

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	UN3082
<b>TDG:</b>	UN3082
<b>US DOT:</b>	UN3082

**14.2. UN proper shipping name**

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
<b>TDG:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)
<b>US DOT:</b>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (EPOXY RESIN)

**14.3. Transport hazard class(es)**

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	9
<b>TDG:</b>	9
<b>US DOT:</b>	9

**14.4. Packing group**

<b>ADG/ADR/RID/ADN/IMDG/ICAO:</b>	III
<b>TDG:</b>	III
<b>US DOT:</b>	III

**14.5. Environmental hazards**

MARINE POLLUTANT

**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.171,  
MAY BE SHIPPED AS NON-RESTRICTED IN NON-BULK PACKAGINGS (119 GALLONS OR LESS) BY MOTOR VEHICLE, RAIL CAR OR AIRCRAFT.

(49 CFR 171.4(C))

**IMDG:** EMS. F-A, S-F

MAY BE SHIPPED AS NON-RESTRICTED IN SINGLE OR COMBINATION PACKAGINGS CONTAINING A NET QUANTITY PER SINGLE OR INNER PACKAGING OF 5 L OR LESS. (IMDG CODE AMENDMENT 37-14, 2.10.2.7)

**ICAO/IATA:** MAY BE SHIPPED AS NON-RESTRICTED IN SINGLE OR COMBINATION PACKAGINGS CONTAINING A NET QUANTITY PER SINGLE OR INNER PACKAGING OF 5 L OR LESS. (IATA DANGEROUS GOODS REGULATION 56<sup>TH</sup> EDITION, 4.4 SPECIAL PROVISIONS A197)

**ADR:** CLASSIFICATION CODE M6 TUNNEL RESTRICTION CODE (E)

MAY BE SHIPPED AS NON-RESTRICTED IN SINGLE OR COMBINATION PACKAGINGS CONTAINING A NET QUANTITY PER SINGLE OR INNER PACKAGING OF 5 L OR LESS. (ADR 2015 VOLUME 1, CHAPTER 3.3 SPECIAL PROVISIONS 375)

**ADG HAZCHEM CODE:** ●3Z **HIN:** 90

## 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 EPCRA and of 40 CFR 372:

Flammable liquid	N-methyl-2-pyrrolidone	872-50-4	0.1 – 0.5%
Skin irritation			
Eye irritation			
Skin sensitization			
Reproductive toxicity			

TSCA: All components are listed or exempted.

**Other national regulations:** None

## SECTION 16: OTHER INFORMATION

**Abbreviations and acronyms:**

- ADG: Australian Dangerous Goods Code
- ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
- 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)
- 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](http://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)



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

Classification	Classification procedure
Flam. Liq. 4, H227*	On basis of test data
Skin Irrit. 2, H315	Calculation method
Eye Irrit. 2, H319	Calculation method
Skin Sens. 1, H317	Calculation method
Repr. 1B, H360D	Calculation method
Aquatic Chronic 2, H411	Calculation method

**Relevant H-statements:** H227: Combustible liquid.  
H315: Causes skin irritation.  
H317: May cause an allergic skin reaction.  
H319: Causes serious eye irritation.  
H320: Causes eye irritation.  
H335: May cause respiratory irritation.  
H360D: May damage the unborn child.  
H411: Toxic to aquatic life with long lasting effects.

**Hazard pictogram names:** Health hazard, exclamation mark, environment

**Further information:** None

**Date of last revision:** 27 July 2023

**Changes to the SDS in this revision:** Sections 1.2, 1.3, 2.1, 2.2, 3.2, 4.1, 4.2, 5.2, 5.3, 7.1, 7.2, 8.1, 8.2.2, 9.1, 10.4, 10.5, 10.6, 11, 12.1, 12.2, 12.3, 12.4, 12.5, 13, 15, 16.

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.