


SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME	CHLOROFORM, ACS
PRODUCT CODE	0586
SUPPLIER	MEDISCA Inc. Tel.: 1.800.932.1039 Fax.: 1.855.850.5855 626 Tom Miller Road, Plattsburgh, NY, 12901 MEDISCA Pharmaceutique Inc. Tel.: 1.800.665.6334 Fax.: 514.338.1693 4509 Rue Dobrin, St. Laurent, QC, H4R 2L8 MEDISCA Australia PTY LTD Tel.: 1.300.786.392 Fax.: 61.2.9700.9047 Unit 7, Heritage Business Park 5-9 Ricketty Street, Mascot, NSW 2020
EMERGENCY PHONE	CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300 NSW Poisons Information Centre: 131 126 National Chemical Emergency Centre 44(0)1235239670
RECOMMENDED USES	Industrial/Lab Use Only
RESTRICTIONS ON USE	Not applicable

SECTION 2: HAZARDS IDENTIFICATION

GHS CLASSIFICATION	Acute Toxicity - Oral (Category 4) Acute Toxicity - Inhalation (Category 3) Eye Irritation (Category 2B) Skin Irritation (Category 2) Carcinogenicity (Category 2) Toxic to Reproduction (Category 2) Acute Aquatic Toxicity (Category 3) Specific Target Organ Toxicity - Repeated Exposure (Category 1) - Liver and Kidney
PICTOGRAM	
SIGNAL WORD	Danger
HAZARD STATEMENT(S)	Harmful if swallowed. Toxic if inhaled. Causes eye irritation. Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life. Causes damage to organs through prolonged or repeated exposure.
ADVERSE PHYSIOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS	Not applicable

PRECAUTIONARY STATEMENT(S)

Prevention	Do not eat, drink or smoke when using this product. Avoid breathing dust/fume/gas/mist/ vapors/spray. Use only outdoors or in a well-ventilated area. Wash hands thoroughly after handling. Do not touch eyes. Obtain, read and follow all special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing, eye and face protection and hearing protection. Avoid release to the environment.								
Response	IF SWALLOWED: Immediately call a poison center. Get medical help. Rinse mouth. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Get emergency medical help immediately. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical help. IF ON SKIN: Wash with plenty of water. If skin irritation occurs, get medical help. Take off contaminated clothing and wash it before reuse. IF EXPOSED OR CONCERNED: Get medical advice. Get medical help, if you feel unwell.								
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up.								
Disposal	Dispose of contents and/or container in accordance with local regulations.								
HMIS CLASSIFICATION	<table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">Health Hazard</td> <td style="text-align: center;">3</td> <td style="width: 50%;">Flammability</td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td style="text-align: center;">0</td> <td>Personal Protection</td> <td style="text-align: center;">H</td> </tr> </table>	Health Hazard	3	Flammability	0	Reactivity	0	Personal Protection	H
Health Hazard	3	Flammability	0						
Reactivity	0	Personal Protection	H						

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAME	1,1,1-Trichloromethane
BOTANICAL NAME	Not applicable
SYNONYM	Trichloromethane; Methane trichloride; Methyl trichloride
CHEMICAL FORMULA	CHCl ₃
CHEMICAL FAMILY	Not available
CAS NUMBER	67-66-3
ALTERNATE CAS NUMBER	Not applicable
MOLECULAR WEIGHT	119.378

COMPOSITION

CHEMICAL NAME	CAS NUMBER	EC NUMBER	% BY WEIGHT
CHLOROFORM	67-66-3	200-663-8	> 98
ETHANOL	64-17-5	200-578-6	< 2

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as health hazards and hence require reporting in this section.

SECTION 4: FIRST-AID MEASURES

IN CASE OF EYE CONTACT	Flush with copious amounts of water for 15 minutes, separating eyelids with fingers. If irritation persists seek medical aid.
IN CASE OF SKIN CONTACT	Wash with soap & water for 15 minutes. If irritation persists seek medical aid.
IF SWALLOWED	Call a physician. Wash out mouth with water. Do not induce vomiting without medical advice.

IF INHALED	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician
MEDICAL ATTENTION AND SPECIAL TREATMENT	Get emergency medical help.
SYMPTOMS CAUSED BY EXPOSURE	Not expected to present a significant hazard under anticipated conditions of normal use.

SECTION 5: FIREFIGHTING MEASURES

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL	Turns combustible on addition of small amounts of a flammable substance or an increase in the oxygen content of the air. Use of alcoholic beverages enhances the harmful effect. Depending on the degree of exposure, periodic medical examination is indicated. The odour warning when the exposure limit value is exceeded is insufficient. Do NOT use in the vicinity of a fire or a hot surface, or during welding.
FLAMMABLE PROPERTIES	May be combustible at high temperature
HAZARDOUS COMBUSTION PRODUCTS	Under fire conditions, hazardous fumes will be present.
SUITABLE & UNSUITABLE EXTINGUISHING MEDIA	Small fire: dry chemical, CO ₂ or water spray. Large fire: dry chemical, CO ₂ , alcohol resistant foam or water spray. Do not get water inside containers.
PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Wear respiratory protection. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.
METHODS & MATERIAL FOR CONTAINMENT	On land, sweep or shovel into suitable containers.
CLEANUP PROCEDURE	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Wear respirator, chemical safety goggles, rubber boots and heavy rubber gloves. Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Shut off all sources of ignition. Evacuate the area. If necessary, employ water fog to disperse the vapors. Absorb the matter with compatible vermiculite or other absorbing material. Place in a suitable container and retain for disposal. Ventilate and clean the affected area. Do not flush into sewerage system or to drains.
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.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING	Do not inhale. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash thoroughly after handling. Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.
CONDITIONS FOR SAFE STORAGE	Store away from incompatible materials, in a well-ventilated area. Eliminate all sources of ignition. Store in accordance with local regulations. Do not store in unlabeled containers. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Use appropriate containment to avoid environmental contamination.

STORAGE CONDITIONS

Store in original container, tightly sealed, protected from direct sunlight and moisture.

Store in amber glass containers and protect from direct sunlight.

SECTION 8: EXPOSURE CONTROLS/ PERSONAL PROTECTION
Chemical Name: CHLOROFORM CAS #: 67-66-3

	Country	Limit value-8 hours		Limit value-Short Term		IDLH	REL	Advisory	Notes
		ppm	mg/m ³	ppm	mg/m ³				
OSHA	USA	N/L	N/L	50	240	N/L	N/L	N/A	N/A
ACGIH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
NIOSH	USA	N/L	N/L	2 (1)	9.78 (1)	N/L	N/L	N/A	(1) 60 minutes average value
WEEL	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSIS	Australia	2	10	N/L	N/L	N/L	N/L	N/A	N/A
HSE	UK	2	9.9	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	N/L	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Austria	2	10	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Belgium	2 (1)	10 (1)	N/L	N/L	N/L	N/L	N/A	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air.
GESTIS	Canada - Ontario	10	N/L	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Canada - Quebec	5	24.4	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Denmark	2 (1)	10 (1)	4 (1)(2)	20 (1)(2)	N/L	N/L	N/A	(1) Skin (2) 15 minutes average value
GESTIS	European Union	2	10	N/L	N/L	N/L	N/L	N/A	Indicative Occupational Exposure Limit Value (IOELV)
GESTIS	Finland	2	10	4 (1)	20 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	France	2	10	N/L	N/L	N/L	N/L	N/A	Restrictive statutory limit values Skin
GESTIS	Germany (AGS)	0,5 (1)	2,5 (1)	1 (1)(2)	5 (1)(2)	N/L	N/L	N/A	(1) Skin (2) 15 minutes average value
GESTIS	Germany (DFG)	0.5	2.5	1 (1)	5 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Hungary	N/L	10	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Ireland	2	9.8	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Israel	10	49	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Italy	2	10	N/L	N/L	N/L	N/L	N/A	Skin
GESTIS	Japan (MHLW)	3	N/L	N/L	N/L	N/L	N/L	N/A	N/A

GESTIS	Japan (JSOH)	3	14.7	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Latvia	2	10	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	New Zealand	2	9.9	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	China	N/L	20	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Poland	N/L	8	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Romania	2	10	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Singapore	10	49	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	South Korea	10	50	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Spain	2	10	N/L	N/L	N/L	N/L	N/A	Skin
GESTIS	Sweden	2	10	5(1)	25(1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Switzerland	0.5	2.5	1	5	N/L	N/L	N/A	N/A
GESTIS	The Netherlands	N/L	5	N/L	25	N/L	N/L	N/A	N/A
GESTIS	Turkey	2	10	N/L	N/L	N/L	N/L	N/A	N/A

Chemical Name: ETHANOL CAS #: 64-17-5

	Country	Limit value-8 hours		Limit value-Short Term		IDLH	REL	Advisory	Notes
		ppm	mg/m ³	ppm	mg/m ³				
OSHA	USA	1000	1900	N/L	N/L	N/L	N/L	N/A	N/A
ACGIH	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	A4 (not classifiable as a human carcinogen)
NIOSH	USA	1000	1900	N/L	N/L	3000	N/L	N/A	*10%LEL (See:64175)
WEEL	USA	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
HSIS	Australia	1000	1880	N/L	N/L	N/L	N/L	N/A	N/A
HSE	UK	1000	1920	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	N/L	N/L	N/L	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Austria	1000	1900	2000	3800	N/L	N/L	N/A	N/A
GESTIS	Belgium	1000	1907	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Canada - Ontario	N/L	N/L	1000	N/L	N/L	N/L	N/A	N/A
GESTIS	Canada - Quebec	1000	1880	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Denmark	1000	1900	2000	3800	N/L	N/L	N/A	N/A
GESTIS	Finland	1000	1900	1300 (1)	2500 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	France	1000	1900	5000	9500	N/L	N/L	N/A	N/A
GESTIS	Germany (AGS)	200	380	800 (1)	1520 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Germany (DFG)	200	380	800 (1)	1520 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Hungary	N/L	1900	N/L	7600	N/L	N/L	N/A	N/A
GESTIS	Ireland	N/L	N/L	1000 (1)	N/L	N/L	N/L	N/A	(1) 15 minutes reference period
GESTIS	Latvia	N/L	1000	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	New Zealand	1000	1880	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Poland	N/L	1900	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Romania	1000	1900	5000 (1)	9500 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Singapore	1000	1880	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	South Korea	1000	1900	N/L	N/L	N/L	N/L	N/A	N/A
GESTIS	Spain	N/L	N/L	1000	1910	N/L	N/L	N/A	N/A
GESTIS	Sweden	500	1000	1000 (1)	1900 (1)	N/L	N/L	N/A	(1) 15 minutes average value
GESTIS	Switzerland	500	960	1000	1920	N/L	N/L	N/A	N/A
GESTIS	The Netherlands	N/L	260	N/L	1900	N/L	N/L	N/A	N/A

N/L = Not listed ; N/A = Not Available

PELs are 8-hour TWAs = Limit value - Eight hours

Ceiling or Short-Term TWA = STEL = Limit value - Short term

EXPOSURE GUIDELINES

 Consult local authorities for provincial or state exposure limits. Particulates not otherwise regulated, respirable fraction: 5 mg/m³

PERSONAL PROTECTIVE EQUIPMENT

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles as described by WHMIS or OSHA's eye and face protection regulations in 29 CFR 1910.133 or European Standard EN166. **Skin:** Wear appropriate gloves to prevent skin exposure. **Clothing:** Wear appropriate protective clothing to minimize contact with skin. **Respirators:** Follow WHMIS or OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced. **Thermal Hazards:** For products representing a thermal hazard, appropriate Personal Protective Equipment should be used.

SPECIFIC ENGINEERING CONTROLS

Adequate mechanical ventilation. Fumehood, eye wash station, and safety shower.

BIOLOGICAL MONITORING

Not available

CONTROL BANDING

Not available

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES
PHYSICAL STATE

Liquid

DESCRIPTION

Clear colorless liquid, with characteristic ethereal odor.

SOLUBILITY

Slightly soluble in water; miscible with dehydrated alcohol, ether, fixed and volatile oils, and most other organic solvents.

ODOR

Sweet fruity, ethereal odor

FLAMMABILITY

May be combustible at high temperature

AUTO-IGNITION TEMPERATURE

Not available

BOILING POINT

(61-62)°C,
(141.8-143.6)°F

DECOMPOSITION TEMPERATURE

225°C, 437°F

EVAPORATION RATE

11.6 BuAc
(volatile)

EXPLOSIVE LIMIT

Not available

FLASH POINT

Not available

log P (OCTANOL-WATER)

Not available

LOWER FLAMMABLE/EXPLOSIVE LIMIT(S)

Not available

MELTING/FREEZING POINT

-63°C, -81.4°F

PARTICLE CHARACTERISTICS

85 - 307 ppm

OXIDIZING PROPERTY

Not available

pH

Not available

RELATIVE DENSITY (WATER = 1)

Not available

SPECIFIC GRAVITY

1.492

UPPER FLAMMABLE/EXPLOSIVE LIMIT(S)

Not available

VAPOR DENSITY (AIR = 1)

4.12

VAPOR PRESSURE

160 mmHg
(20°C)

VISCOSITY

0.58 cps (20°C)

The physical data presented above are typical values and should not be construed as a specification.

SECTION 10: STABILITY AND REACTIVITY
REACTIVITY

Not established

CHEMICAL STABILITY

Stable under recommended storage conditions

INCOMPATIBLE MATERIALS

Strong oxidizing agents. Strong bases. Caustics. Aluminum. Magnesium Fluoride. Chemically active metals, sodium/sodium oxides, lithium

HAZARDOUS DECOMPOSITION PRODUCTS

Toxic fumes of carbon monoxide, carbon dioxide, nitrogen oxides and other gases may occur

HAZARDOUS POLYMERIZATION	Will not occur
POSSIBILITY OF HAZARDOUS REACTION	Not established
CONDITIONS TO AVOID	Heat, flames and sparks. Exposure to air. Extreme temperatures

SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY	Calculated ATE for mixture: Oral: Rat: LD50: (mg/kg): 440 Dermal: Rabbit LD50: (mg/kg): 20000 Inhalation: Rat: LC50: (mg/L/6hr): 9.2
SKIN CORROSION/IRRITATION	Causes skin irritation.
SERIOUS EYE DAMAGE/EYE IRRITATION	Causes eye irritation.
RESPIRATORY SENSITIZATION	Due to lack of data, the classification is not possible.
SKIN SENSITIZATION	Due to lack of data, the classification is not possible.
GERM CELL MUTAGENICITY	Due to lack of data, the classification is not possible.
CARCINOGENICITY	<p>OSHA CHLOROFORM is reasonably anticipated to be a human carcinogen. No other component of this product, present at ≥0.1%, is listed.</p> <p>NTP CHLOROFORM is a suspect carcinogen. No other component of this product, present at ≥0.1%, is listed.</p> <p>IARC CHLOROFORM is a group 2B carcinogen, possibly carcinogenic to humans. No other component of this product, present at ≥0.1% has been evaluated.</p> <p>California Proposition 65 This product contains the following chemical known to the State of California to cause cancer and birth defects or other reproductive harm: CHLOROFORM. No other component of this product, present at ≥0.1% is known to the State of California to cause cancer, birth defects, or any other reproductive harm.</p>
ADDITIONAL CARCINOGENICITY INFORMATION	Suspected of causing cancer.
REPRODUCTIVE TOXICITY	Suspected of damaging fertility or the unborn child.
SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE	Due to lack of data, the classification is not possible.
SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE	Causes damage to organs through prolonged or repeated exposure (Liver and Kidney).
ASPIRATION HAZARDS	Not available
SIGNS AND SYMPTOMS OF EXPOSURE	<p>ROUTES OF EXPOSURE: Oral, Dermal, Inhalation, Eyes</p> <p>EARLY ONSET SYMPTOMS RELATED TO EXPOSURE: Not available</p> <p>DELAYED HEALTH EFFECT FROM EXPOSURE: Not available</p> <p>Acts as a relatively potent anesthetic. Exposure of higher concentrations may result in unconsciousness and death.</p>
POTENTIAL HEALTH EFFECTS	<p>Inhalation Toxic if inhaled.</p> <p>Ingestion Harmful if swallowed.</p> <p>Skin Causes skin irritation.</p>

Eyes Causes eye irritation.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY EC50: 48 Hr: Crustacea: Daphnia: (mg/L): 28.9
 LC50: 96 Hr: Fish: (mg/L): 18
 EC50: 72 or 96 Hr: Algae (or other aqua plants): (mg/L): Not available

PERSISTENCE AND DEGRADABILITY Not available.

BIOACCUMULATIVE POTENTIAL Bioaccumulation is unlikely: LogPow: 1.97
 Bioconcentration Factor (BCF): 1.4 - 13

MOBILITY IN SOIL Not available.

OTHER ADVERSE EFFECTS Not available.
 This product is not intended to be released into the environment

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL METHODS Dispose of in accordance with federal / local laws and regulations. Avoid release into the environment.

SECTION 14: TRANSPORT INFORMATION

UN PROPER SHIPPING NAME CHLOROFORM

UN NUMBER 1888

CLASS 6.1

PACKING GROUP III

AUSTRALIA

HAZCHEM 2Z

EU

TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE Not Listed

ENVIRONMENTAL HAZARDS Not available

SPECIAL SHIPPING INFORMATION Not applicable

SECTION 15: REGULATORY INFORMATION

UNITED STATES REGULATIONS

Chemical Name & CAS	CERCLA 40 CFR Part 302.4	SARA (Title III) 40 CFR Part 372.65	EPA 40 CFR Part 355		Right-to-know		
			Appendix A	Appendix B	Pennsylvania	New Jersey	Massachusetts
CHLOROFORM 67-66-3	X	X	X	X	X	X	X
ETHANOL 64-17-5	N/L	N/L	N/L	N/L	X	X	X

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

Chemical Name & CAS	Poisons and Therapeutic Goods Regulation	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors	Work Health and Safety Regulations	Inventory of Industrial Chemicals
CHLOROFORM 67-66-3	N/L	Listed as Schedule 6	Listed as Category III	N/L	N/L
ETHANOL 64-17-5	N/L	N/L	Listed as Category III	N/L	N/L

N/L = Not Listed

EU REGULATIONS

Chemical Name & CAS	REACH ANNEX XVII	REACH ANNEX XIV	EC 1005/2009	EC 850/2004	PIC - Prior Informed Consent Regulation	EC 2012/18
CHLOROFORM 67-66-3	X	N/L	X	N/L	X	N/L
ETHANOL 64-17-5	N/L	N/L	N/L	N/L	N/L	N/L

N/L = Not Listed; X = Listed

Any EU regulation not listed above is not applicable to this product.

SUBJECT TO INTERNATIONAL AGREEMENT

Not applicable

SECTION 16: OTHER INFORMATION
REFERENCES

Available upon request

ABBREVIATIONS AND ACRONYMS

ACGIH - American Conference of Governmental Industrial Hygienists; **AIHA WEEL** – American Industrial Hygiene Association Workplace Environment Exposure Levels; **CAESAR** – Computer Assisted Evaluation of industrial chemical Substances According to Regulations; **CAS** – Chemical Abstract Service; **CERCLA** – Comprehensive Environmental Response, Compensation, and Liability Act; **EC50** – Effective Concentration, 50%; **EPA** – Environmental Protection Agency; **GHS** – Global Harmonized System; **HMIS** – Hazardous Materials Information System; **HSE** – Health and Safety Executive; **HSIS** – Hazardous Substances Information System; **IARC** – International Agency for Research on Cancer; **IDLH** - Immediately Dangerous to Life or Health; **IRFMN** – Ready Biodegradability Model; **ISS** – Istituto Superiore Sanità; **LC50** – Lethal Concentration, 50%; **LD50** – Lethal Dose, 50%; **MSHA** - Mine Safety and Health Administration; **NIOSH** – National Institute for Occupational Safety and Health; **NTP** – National Toxicology Program; **OSHA PEL** – Occupational Safety & Health Administration Permissible Exposure Limits; **QSAR** – Quantitative Structure-activity relationship; **REL** - Recommended Exposure Limit; **SARA** – Superfund Amendments and Reauthorization Act; **STEL** – Short Term Exposure Limit; **TLV** – Threshold Limit Value; **TWA** – Time Weighted Average; **WHMIS** – Workplace Hazardous Materials Information System

LAST REVISION

01/2026

SUPERSEDES

02/2023

For a list of changes to the SDS since the last version, please communicate with MEDISCA at www.medisca.com

DISCLAIMER

This document was created in accordance with OSHA, Safe Work Australia and WHMIS regulations. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. MEDISCA[®] shall not be held liable for any damage resulting from handling or from contact with the above product. Recipients of the product must take responsibility for observing existing laws and regulations.

SUPPLEMENTARY INFORMATION

For all country specific requirements not outlined on this Safety Data Sheet, please request Supplementary Page to this Safety Data Sheet.