


SECTION 1: PRODUCT IDENTIFICATION

PRODUCT NAME	CHLOROFORM, ACS
PRODUCT CODE	0586
SUPPLIER	MEDISCA Inc. Tel.: 1.800.932.1039 Fax.: 1.855.850.5855 661 Route 3, Unit C, Plattsburgh, NY, 12901 6641 N. Belt Line Road, Suite 130, Irving, TX, 75063 MEDISCA Pharmaceutique Inc. Tel.: 1.800.665.6334 Fax.: 514.338.1693 4509 Rue Dobrin, St. Laurent, QC, H4R 2L8 21300 Gordon Way, Unit 153/158, Richmond, BC V6W 1M2 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 - Inhalation (Category 5) Acute Toxicity - Oral (Category 4) Eye Irritation (Category 2B) Skin Irritation (Category 2) Carcinogenicity (Category 2) Toxic to Reproduction (Category 2) Acute Aquatic Toxicity (Category 3)
PICTOGRAM	
SIGNAL WORD	Warning
HAZARD STATEMENT(S)	May be harmful if inhaled. Harmful if swallowed. Causes eye irritation. Causes skin irritation. Suspected of causing cancer. Suspected of damaging fertility or the unborn child. Harmful to aquatic life.

ADVERSE PHYSIOCHEMICAL, HUMAN HEALTH AND ENVIRONMENTAL EFFECTS

Not applicable

PRECAUTIONARY STATEMENT(S)
Prevention

Wash hands thoroughly after handling. Do not touch eyes. Do not eat, drink or smoke when using this product. 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 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 advice/attention. Take off contaminated clothing and wash it before reuse. IF EXPOSED OR CONCERNED: Get medical advice. IF INHALED: Get medical help.

Storage

Store locked up.

Disposal

Dispose of container in accordance with local regulation

HMIS CLASSIFICATION
Health Hazard

2

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

 CHCl₃
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, CO₂ or water spray. **Large fire:** dry chemical, CO₂, 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.

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
NOTES	A harmful contamination of the air can be reached very quickly on evaporation of this substance at 20°C. ETHANOL: OCCUPATIONAL EXPOSURE LIMITS: TLV: 1000 ppm as TWA A4 (not classifiable as a human carcinogen); (ACGIH 2004). MAK: 500 ppm, 960 mg/m ³ ; Peak limitation category: II(2); Carcinogen category: 5; Pregnancy risk group: C; Germ cell mutagen group: 5; (DFG 2004).

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)	1.97	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 Fluorine. 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): 452 Dermal: Rabbit LD50: (mg/kg): 20000 Inhalation: Rat: LC50: (mg/m ³ /4hr): 47222
SKIN CORROSION/IRRITATION	Draize test: rabbit: skin: 500 mg/24H, mild (CHLOROFORM) Rabbit - Irritating to skin - 24h (ETHANOL)
SERIOUS EYE DAMAGE/EYE IRRITATION	Draize test: rabbit: eye: 20 mg/24H, moderate (CHLOROFORM) Draize Test: rabbit - Mild eye irritation - 24h (ETHANOL)
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	CHLOROFORM: DNA Inhibition: Human HeLa cell: 119 mmol/L Sister Chromatid Exchange: Human, Lymphocyte: 10 mmol/L Micronucleous Test: Oral: rat: 4 mmol/L Unscheduled DNA synthesis: oral: rat: 1g/kg Sister Chromatid Exchange: Hamster, embryo: 100 mmol/L
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	This substance is possibly carcinogenic to humans. Risk of cancer depends on level and duration of exposure. A3 (confirmed animal carcinogen with unknown relevance to humans) (ACGIH 2004) Carcinogen category: 4; Pregnancy risk group: C; (DFG 2004).

REPRODUCTIVE TOXICITY
CHLOROFORM:

Inhalation: rat: TClO: 300 ppm/7H (female 6-15 days after conception) Fertility; Pregnancy risk group: C; (DFG 2004).

ETHANOL:

Reproductive toxicity - Human - female - Oral; Effects on Newborn: Apgar score (human only); other neonatal measures or effects; drug dependence.

SPECIFIC TARGET ORGAN TOXICITY - SINGLE EXPOSURE

May affect central nervous system, cardiovascular system, liver and kidneys. May cause liver injury and blood disorders.

SPECIFIC TARGET ORGAN TOXICITY - REPEATED EXPOSURE

Prolonged exposure may lead to death due to irregular heart beat and kidney and liver disorders. This substance is possibly carcinogenic to humans.

ASPIRATION HAZARDS

Not available

SIGNS AND SYMPTOMS OF EXPOSURE
ROUTES OF EXPOSURE:

Oral, Dermal, Inhalation, Eyes

EARLY ONSET SYMPTOMS RELATED TO EXPOSURE:

Not available

DELAYED HEALTH EFFECT FROM EXPOSURE:

Not available

Acts as a relatively potent anesthetic. Exposure of higher concentrations may result in unconsciousness and death.

POTENTIAL HEALTH EFFECTS
Inhalation

May be harmful if inhaled. May cause respiratory tract irritation. Cough. Dizziness. Drowsiness. Headache. Nausea. Unconsciousness.

Ingestion

Harmful if swallowed. Abdominal pain. Vomiting. (Further see Inhalation). Ingestion may cause burning in mouth and throat, pain in the chest and vomiting.

Skin

Causes skin irritation. Redness. Pain. Dry skin.

Eyes

Splashes may cause eye damage. Causes eye irritation. Redness. Pain.

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

EC50: 48 Hr: Crustacea: Daphnia: (mg/L): 28.9

LC50: 96 Hr: Fish: (mg/L): 43.8 - 129.0

EC50: 72 or 96 Hr: Algae (or other aqua plants): (mg/L): Not available

PERSISTENCE AND DEGRADABILITY

Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

BIOACCUMULATIVE POTENTIAL

Bioaccumulation is unlikely: LogPow: 1.97

Bioconcentration Factor (BCF): 1.4 - 13

MOBILITY IN SOIL

Slightly soluble in water.

Water Solubility: 7950 mg/L (25°C)

Henry's Law Constant: 0.00367 atm-m³/mole (24°C)

OTHER ADVERSE EFFECTS

The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces. Will likely be mobile in the environment due to its volatility Disperses rapidly in air.

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			California Prop 65
			Appendix A	Appendix B	Pennsylvania	New Jersey	Massachusetts	
CHLOROFORM 67-66-3	X	X	X	X	X	X	X	X
ETHANOL 64-17-5	N/L	N/L	N/L	N/L	X	X	X	N/L

N/L = Not Listed; X = Listed

AUSTRALIAN REGULATIONS

Chemical Name & CAS	Poisons and Therapeutic Goods	Therapeutic Goods Act	Code of Practices - Illicit Drug Precursors	Poisons Standard	Work Health and Safety Regulations	Inventory of Industrial Chemicals
CHLOROFORM 67-66-3	N/L	Listed as Schedule 6	Listed as Category III	Listed	N/L	N/L
ETHANOL 64-17-5	N/L	N/L	Listed as Category III	N/L	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	EC 1107/2009	PIC - Prior Informed Consent Regulation	EC 2012/18
CHLOROFORM 67-66-3	X	N/L	X	N/L	N/L	X	N/L
ETHANOL 64-17-5	N/L	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

02/2023

SUPERSEDES

10/2020

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.