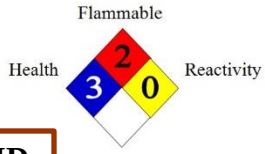
NFPA & HMIS Ratings



Product Name: PARAGON ARTERIAL EMBALMING FLUID

Section 1 - PRODUCT AND COMPANY IDENTIFICATION

Material Name
PARAGON ARTERIAL EMBALMING FLUID
Synonyms
PARAGON
Product Use
Funeral Home Embalming Products.
Restrictions on Use
This product should only be used by Licensed Embalmers.
Details of the supplier of the safety data sheet

Dr. G.H. Michel - Restor-Skin Company
PO Box 337
202 Sixth Street
East Brady, PA 16028
Phone: 1-800-635-3403
Emergency Phone #: 1-724-526-3565
E-mail: fourcogs16028@yahoo.com

Product Code
Product Size(s): 16 oz. (Pint) Bottles

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Flammable Liquids - Category 4
Acute Toxicity - Oral - Category 3
Acute Toxicity - Dermal - Category 3
Acute Toxicity - Inhalation - Vapor - Category 2
Skin Corrosion/Irritation - Category 1
Serious Eye Damage/Eye Irritation - Category 1
Respiratory Sensitization - Category 1A
Skin Sensitization - Category 1A
Germ Cell Mutagenicity - Category 1A
Carcinogenicity - Category 1A
Reproductive Toxicity - Category 1A
Specific Target Organ Toxicity - Single Exposure - Category 1 (Central Nervous System , nervous system , respiratory system , eyes , heart , kidneys)
Specific Target Organ Toxicity - Single Exposure - Category 3
Specific Target Organ Toxicity - Repeated Exposure - Category 1 (Central Nervous System , respiratory system , eyes , retina , kidneys)
Specific Target Organ Toxicity - Repeated Exposure - Category 2
Hazardous to the Aquatic Environment - Acute - Category 2
Hazardous to the Aquatic Environment - Chronic - Category 2

GHS Label Elements

Symbol(s)

Signal Word

Danger

Hazard Statement(s)

Combustible liquid.
Toxic if swallowed.
Toxic in contact with skin.
Fatal if inhaled.
Causes severe skin burns and eye damage.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
May damage fertility or the unborn child.
Causes damage to organs.
May cause respiratory irritation.
Causes damage to organs through prolonged or repeated exposure.
May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

Precautionary Statement(s)

Prevention

Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flame/hot surfaces - No smoking.
Use only outdoors or in a well-ventilated area.
Wear protective gloves/protective clothing/eye protection/face protection.
Do not breathe dust/fume/gas/mist/vapors/spray.
Wear respiratory protection.
Wash thoroughly after handling.
Contaminated work clothing must not be allowed out of the workplace.
Do not eat, drink or smoke when using this product.
Avoid release to the environment.

Response

In case of fire: Use appropriate media to extinguish.
Immediately call a POISON CENTER or doctor.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
Collect spillage.

Storage

Store in a well-ventilated place. Keep container tightly closed.
Keep cool.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

Statement of Unknown Toxicity

10.006% of the mixture consists of ingredient(s) of unknown acute toxicity.

Other Hazards

None known.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component Name	Percent
50-00-0	Formaldehyde	20-40
67-56-1	Methyl alcohol	5-15
107-21-1	Ethylene glycol	10-20
Not available	Wisteria	<1
Not available	Regular Red Dye	<1

Section 4 - FIRST AID MEASURES

Inhalation

IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER.

Skin

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. Immediately call a POISON CENTER or doctor.

Eyes

IF IN EYES: Flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor.

Ingestion

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor.

Most Important Symptoms/Effects

Acute

Toxic if swallowed or in contact with skin. Fatal if inhaled. Causes severe skin burns and eye damage. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reactions. central nervous system damage, nervous system damage, respiratory system damage, eye damage, heart damage, kidney damage

Delayed

May produce an allergic reaction. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. central nervous system damage, respiratory system damage, eye damage, retina damage, kidney damage

Indication of any immediate medical attention and special treatment needed

Treat symptomatically and supportively.

Section 5 - FIRE FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Carbon dioxide, dry chemical, alcohol-resistant foam, water spray.

Unsuitable Extinguishing Media

Do not use water jet.

Special Hazards Arising from the Chemical

Flammable liquid and vapor.

Hazardous Combustion Products

Oxides of carbon, formaldehyde gas

Fire Fighting Measures

Move container from fire area if it can be done without risk. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Dike far ahead of liquid spill for collection and later disposal. Cool containers with water spray until well after the fire is out. Vapors may travel to ignition source and flashback. Avoid inhalation of material or combustion by-products. Withdraw immediately in case of rising sound from venting safety device or any discoloration of tanks due to fire. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible withdraw from area and let fire burn. Containers may rupture or explode if exposed to heat.

Special Protective Equipment and Precautions for Firefighters

Wear personal protective clothing and equipment such as self-contained breathing apparatus (SCBA) for protection against possible exposure.

Section 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8.

Methods and Materials for Containment and Cleaning Up

Fully encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Wear fire/flame resistant/retardant clothing. Eliminate all sources of ignition. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Stop leak if safe to do so. Prevent entry into waterways, sewers, basements, or confined areas. A vapor suppressing foam may be used to reduce vapors. Absorb with earth, sand or other non-combustible material and transfer to container. Dike far ahead of liquid spill for collection and later disposal. Additionally, for large spills: Water spray may reduce vapor, but may not prevent ignition in closed spaces.

Environmental Precautions

Avoid release to the environment. Collect spillage.

Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flame/hot surfaces - No smoking. Use only outdoors or in a well-ventilated area. Wear protective gloves/clothing and eye/face protection. Do not breathe vapor or mist. Wear respiratory protection. Wash thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Do not eat, drink or smoke when using this product. Keep container tightly closed.

Conditions for Safe Storage, Including any Incompatibilities

Store in a well-ventilated place. Keep container tightly closed.

Keep cool.

Store locked up.

Keep away from heat. Keep away from oxidizing materials, strong acid

Incompatible Materials

Strong acid, alkalis, oxidizing agents, reducing agents.

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Formaldehyde	50-00-0
ACGIH:	0.3 ppm Ceiling
NIOSH:	0.016 ppm TWA
	0.1 ppm Ceiling 15 min
	20 ppm IDLH

OSHA (US):	0.75 ppm TWA
	2 ppm STEL (See 29 CFR 1910.1048) 15 min ; 0.5 ppm Action Level (See 29 CFR 1910.1048); 0.75 ppm TWA (See 29 CFR 1910.1048)
	2 ppm STEL (see 29 CFR 1910.1048)
Mexico:	2 ppm Ceiling ; 3 mg/m3 Ceiling
Methyl alcohol	67-56-1
ACGIH:	200 ppm TWA
	250 ppm STEL
	Skin - potential significant contribution to overall exposure by the cutaneous route
NIOSH:	200 ppm TWA ; 260 mg/m3 TWA
	250 ppm STEL ; 325 mg/m3 STEL
	Potential for dermal absorption
	6000 ppm IDLH
Europe:	200 ppm TWA ; 260 mg/m3 TWA
	Possibility of significant uptake through the skin
OSHA (US):	200 ppm TWA ; 260 mg/m3 TWA
Mexico:	200 ppm TWA VLE-PPT ; 260 mg/m3 TWA VLE-PPT
	250 ppm STEL [PPT-CT]; 310 mg/m3 STEL [PPT-CT]
	Skin - potential for cutaneous absorption
Ethylene glycol	107-21-1
ACGIH:	100 mg/m3 Ceiling aerosol only
Europe:	20 ppm TWA ; 52 mg/m3 TWA
	Possibility of significant uptake through the skin
	40 ppm STEL ; 104 mg/m3 STEL
Mexico:	100 mg/m3 Ceiling aerosol

EU - Occupational Exposure (98/24/EC) - Binding Biological Limit Values and Health Surveillance Measures

There are no biological limit values for any of this product's components.

ACGIH - Threshold Limit Values - Biological Exposure Indices (BEI)

Methyl alcohol (67-56-1)

15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)

Engineering Controls

Provide adequate local exhaust ventilation to maintain worker exposure below exposure limits. Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eye/face protection

Wear chemical safety goggles with a face shield or chemical splash hood. Eye wash fountain and emergency showers are recommended.

Skin Protection

Wear appropriate chemical resistant clothing.

Respiratory Protection

Respiratory protection is required for not sufficiently ventilated working places and during the spraying processing.

Glove Recommendations

Wear appropriate chemical resistant gloves: neoprene, rubber gloves.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Medium red clear liquid	**Physical State**	liquid
Odor	Formaldehyde	**Color**	Medium , red
Odor Threshold	Not available	**pH**	Not available
Melting Point	Not available	**Boiling Point**	100 ºC
Boiling Point Range	Not available	**Freezing point**	Not available
Evaporation Rate	Not available	**Flammability (solid, gas)**	Not available
Autoignition Temperature	Not available	**Flash Point**	68.5 ºC(155 ºF)
Lower Explosive Limit	Not available	**Decomposition temperature**	Not available
Upper Explosive Limit	Not available	**Vapor Pressure**	Not available
Vapor Density (air=1)	Not available	**Specific Gravity (water=1)**	Not available
Water Solubility	100% (Soluble)	**Partition coefficient: n-octanol/water**	Not available
Viscosity	Not available	**Solubility (Other)**	Not available
Density	Not available	**Molecular Weight**	Not available

Other Information

No additional information is available.

Section 10 - STABILITY AND REACTIVITY

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable under normal temperatures and pressures.

Possibility of Hazardous Reactions

Hazardous polymerization is not expected to occur.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition. Keep away from incompatible materials.

Incompatible Materials

Strong acid, alkalis, oxidizing agents, reducing agents.

Hazardous decomposition products

Oxides of carbon, formaldehyde gas

Thermal decomposition products

Oxides of carbon.

Section 11 - TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure

Inhalation

Fatal if inhaled. May cause respiratory irritation. May cause an allergic reaction.

Skin Contact

May cause allergic reaction. Toxic in contact with skin. Causes severe skin burn and eye damage. Prolonged skin contact with dry particulate may cause drying of the skin.

Eye Contact

Causes serious eye damage.

Ingestion

Toxic if swallowed.

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and the following selected endpoints are published:

Formaldehyde (50-00-0)

Oral LD50 Rat 100 mg/kg

Dermal LD50 Rabbit 270 mg/kg

Inhalation LC50 Rat 0.578 mg/L 4 h

Water (7732-18-5)

Oral LD50 Rat >90 mL/kg

Ethylene glycol (107-21-1)

Oral LD50 Rat 4700 mg/kg

Dermal LD50 Rat 10600 mg/kg

Product Toxicity Data

Acute Toxicity Estimate

Dermal	725.2215 mg/kg
Inhalation - Vapor	1.7595 mg/L
Oral	258.9591 mg/kg

Immediate Effects

Toxic if swallowed or in contact with skin. Fatal if inhaled. Causes severe skin burns and eye damage. May cause allergic or asthmatic symptoms or breathing difficulties if inhaled. May cause allergic skin reaction. central nervous system damage, nervous system damage, respiratory system damage, eye damage, heart damage, kidney damage

Delayed Effects

May produce an allergic reaction. May cause genetic defects. May cause cancer. May damage fertility or the unborn child. central nervous system damage, respiratory system damage, eye damage, retina damage, kidney damage

Irritation/Corrosivity Data

Skin burns, eye damage, respiratory tract irritation

Respiratory Sensitization

May cause allergic or asthmatic symptoms or breathing difficulties if inhaled.

Dermal Sensitization

May cause allergic skin reaction.

Component Carcinogenicity

May cause cancer.

Formaldehyde	**50-00-0**
ACGIH:	A2 - Suspected Human Carcinogen
IARC:	Monograph 100F [2012] ; Monograph 88 [2006] ; Monograph 62 [1995] ; Supplement 7 [1987] (Group 1 (carcinogenic to humans))
NTP:	Known Human Carcinogen
DFG:	Category 4 (no significant contribution to human cancer)
OSHA:	Present
OSHA:	see 29 CFR 1910.1048
NIOSH:	potential occupational carcinogen
Ethylene glycol	**107-21-1**
ACGIH:	A4 - Not Classifiable as a Human Carcinogen

Germ Cell Mutagenicity

May cause genetic defects.

Tumorigenic Data

No information available.

Reproductive Toxicity

May damage fertility or the unborn child.

Specific Target Organ Toxicity - Single Exposure

Central Nervous System, nervous system, respiratory system, eyes, heart, kidneys

Specific Target Organ Toxicity - Repeated Exposure

Central Nervous System, respiratory system, eye, retina, kidney

Aspiration hazard

No data available for this product.

Medical Conditions Aggravated by Exposure

No data available.

Additional Data

No additional information is available.

Section 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Toxic to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

Formaldehyde	**50-00-0**
Fish:	LC50 96 h Pimephales promelas 22.6 - 25.7 mg/L [flow-through]; LC50 96 h Lepomis macrochirus 1510 µg/L [static]; LC50 96 h Brachydanio rerio 41 mg/L [static]; LC50 96 h Oncorhynchus mykiss 0.032 - 0.226 mL/L [flow-through]; LC50 96 h Oncorhynchus mykiss 100 - 136 mg/L [static]; LC50 96 h Pimephales promelas 23.2 - 29.7 mg/L [static]
Invertebrate:	LC50 48 h Daphnia magna 2 mg/L IUCLID ; EC50 48 h Daphnia magna 11.3 - 18 mg/L [Static] EPA
Methyl alcohol	**67-56-1**

Fish:	LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through]
Ethylene glycol	**107-21-1**
Fish:	LC50 96 h Oncorhynchus mykiss 41000 mg/L; LC50 96 h Oncorhynchus mykiss 14 - 18 mL/L [static]; LC50 96 h Lepomis macrochirus 27540 mg/L [static]; LC50 96 h Oncorhynchus mykiss 40761 mg/L [static]; LC50 96 h Pimephales promelas 40000 - 60000 mg/L [static]; LC50 96 h Poecilia reticulata 16000 mg/L [static]
Algae:	EC50 96 h Pseudokirchneriella subcapitata 6500 - 13000 mg/L IUCLID
Invertebrate:	EC50 48 h Daphnia magna 46300 mg/L IUCLID

Persistence and Degradability

No information available for the product.

Bioaccumulative Potential

No information available for the product.

Mobility

No information available for the product.

Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with federal, state, provincial, and local regulations. The responsibility for proper waste disposal lies with the owner of the waste. Hazardous Waste Number(s): D002.

Section 14 - TRANSPORT INFORMATION

US DOT Information:
Shipping Name: CORROSIVE LIQUIDS, TOXIC, N.O.S., (Contains: Formaldehyde , Methanol)
Hazard Class: 8
UN/NA #: UN2922
Packing Group: III
Required Label(s): 8, 6.1
Additional information: Marine pollutant

IATA Information:
Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S., (Contains: Formaldehyde , Methanol)
Hazard Class: 8
UN#: UN2922
Packing Group: III
Required Label(s): 8, 6.1
Additional information: Marine pollutant

ICAO Information:
Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S., (Contains: Formaldehyde , Methanol)
Hazard Class: 8
UN#: UN2922
Packing Group: III
Required Label(s): 8, 6.1
Additional information: Marine pollutant

IMDG Information:
Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S., (Contains: Formaldehyde , Methanol)
Hazard Class: 8
UN#: UN2922
Packing Group: III
Required Label(s): 8, 6.1
Additional information: Marine pollutant

TDG Information:
Shipping Name: CORROSIVE LIQUID, TOXIC, N.O.S., (Contains: Formaldehyde , Methanol)
Hazard Class: 8
UN#: UN2922
Packing Group: III
Required Label(s): 8, 6.1
Additional information: Marine pollutant

Section 15 - REGULATORY INFORMATION

U.S. Federal Regulations

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Formaldehyde	**50-00-0**
SARA 302:	500 lb TPQ
SARA 313:	0.1 % de minimis concentration
CERCLA:	100 lb final RQ ; 45.4 kg final RQ
OSHA (safety):	1000 lb TQ
SARA 304:	100 lb EPCRA RQ
Methyl alcohol	**67-56-1**
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ
Ethylene glycol	**107-21-1**
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes **Chronic Health:** Yes **Fire:** Yes **Reactivity:** No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Formaldehyde	**50-00-0**	Yes	Yes	Yes	Yes	Yes

Methyl alcohol	**67-56-1**	Yes	Yes	Yes	Yes	Yes
Ethylene glycol	**107-21-1**	Yes	Yes	Yes	Yes	Yes

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer

WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Formaldehyde	**50-00-0**
Carc:	carcinogen , 1/1/1988 (gas)
Methyl alcohol	**67-56-1**
Repro/Dev. Tox	developmental toxicity , 3/16/2012
Ethylene glycol	**107-21-1**
Repro/Dev. Tox	developmental toxicity , 6/19/2015 (ingested)

Canada Regulations

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Formaldehyde	50-00-0	0.1 %
Methyl alcohol	67-56-1	1 %
Ethylene glycol	107-21-1	1 %

Component Analysis - Inventory

Formaldehyde (50-00-0)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR -TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes

Methyl alcohol (67-56-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR -TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

Water (7732-18-5)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR -TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	Yes	Yes	Yes	Yes

Ethylene glycol (107-21-1)

US	CA	EU	AU	PH	JP - ENCS	JP - ISHL	KR - KECI/KECL	KR -TCCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	Yes	Yes	Yes	Yes

Section 16 - OTHER INFORMATION

NFPA Ratings

Health: 3 Fire: 2 Reactivity: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Summary of Changes

New SDS: April 28, 2016 / SDS Update Rev 1: October 10, 2016 / SDS Update Rev 2: May 17, 2018

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KECI - Korea Existing Chemicals Inventory; KECL – Korea Existing Chemicals List; KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorization, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

Other Information

Disclaimer:

Supplier gives no warranty whatsoever, including the warranties of merchantability or of fitness for a particular purpose. Any product purchased is sold on the assumption the purchaser shall determine the quality and suitability of the product. Supplier expressly disclaims any and all liability for incidental, consequential or any other damages arising out of the use or misuse of this product. No information provided shall be deemed to be a recommendation to use any product in conflict with any existing patent rights.