

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012) Date of issue: February 2023 Version: 3.0

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Trade name

: Tri-San Power Factor

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

Use of the substance/mixture

Accessory Embalming FluidFor professional use only

Use of the substance/mixture : For pr **1.3.** Details of the supplier of the safety data sheet

THE CHAMPION COMPANY 400 Harrison Street Springfield, Ohio 45505

Lucentt Limited 40 Ben Lomond Crescent Auckland, New Zealand

Telephone No. (937) 324-5681

Phone: 09 273 8114

1.4. Emergency telephone number

INFOTRAC: 1-800-535-5053 DOMESTIC or 352-323-3500 INTERNATIONAL

National Poisons Centre 0800 764 766

Hazardous Substance Emergency 0800 CHEMCALL (0800 243 622)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Flam. Liq. 3	H226
Acute Tox. 4 (Oral)	H302
Acute Tox. 4 (Inhalation:dust,mist)	H332
Skin Corr. 1B	H314
Eye Dam. 1	H318
Resp. Sens. 1	H334
Skin Sens. 1	H317
Muta. 2	H341
STOT SE 3	H335
STOT SE 2	H371
STOT RE 2	H373

Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labelling

Hazard pictograms (GHS-US)

	GHS02	GHS05	GHS07	GHS08	
Signal word (GHS-US)	: Danger				
Hazard statements (GHS-US)	H335 - May cau H341 - Suspecte H371 - May cau	larmful if swallov severe skin burn se an allergic sk serious eye dam se allergy or ast se respiratory irr ed of causing ge se damage to or	ved or if inhaled s and eye dama in reaction age hma symptoms itation netic defects gans		
Precautionary statements (GHS-US)		andle until all sa ay from heat, sp ntainer tightly clo	fety precautions arks, open flam osed	have been read and understood es, hot surfaces No smoking nt	
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skin with water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P351+P338 - If in eyes: Rinse cautiously with water for several minutes. Remove contr lenses, if present and easy to do. Continue rinsing P308+P313 - If exposed or concerned: Get medical attention P310 - Immediately call a POISON CENTER P312 - Call a doctor, a POISON CENTER P314 - Get medical attention if you feel unwell P330 - Rinse mouth P330 - Rinse mouth P333+P313 - If skin irritation or rash occurs: Get medical attention P342+P311 - If experiencing respiratory symptoms: Call a doctor P362 - Take off contaminated clothing and wash before reuse P363 - Wash contaminated clothing before reuse P363 - Wash contaminated clothing before reuse P363 - Store in a well-ventilated place. Keep container tightly closed P403+P233 - Store in a well-ventilated place. Keep cool P405 - Store locked up P405 - Store locked up P405 - Store locked up P405 - Store locked up	5	
international regulation. Other hazards		 P242 - Use only non-sparking tools P243 - Take precautionary measures against static discharge P260 - Do not breathe dust, fume, mist, spray, vapors P261 - Avoid breathing dust, fume, mist, spray, vapors P264 - Wash hands thoroughly after handling P270 - Do not eat, drink or smoke when using this product P271 - Use only in a well-ventilated area P272 - Contaminated work clothing must not be allowed out of the workplace P280 - Wear protective clothing, protective gloves, eye protection, face protection P285 - In case of inadequate ventilation wear respiratory protection P301+P312 - If swallowed: Call a POISON CENTER P301+P330+P331 - If swallowed: rinse mouth. Do NOT induce vomiting P302+P352 - If on skin: Wash with plenty of water P303+P361+P353 - If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water P304+P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing P305+P361+P353 - If on concerned: Get medical attention P310 - Immediately call a POISON CENTER P312 - Call a doctor, a POISON CENTER P314 - Get medical attention if you feel unwell P330 - Rinse mouth P330+P313 - If skin irritation or rash occurs: Get medical attention P342 - Call a doctor, a POISON CENTER P313 - If skin irritation or rash occurs: Get medical attention P342 - Call a doctor prespiratory symptoms: Call a doctor P362 - Take off contaminated clothing and wash before reuse P363 - Wash contaminated clothing and wash before reuse P363 - Wash contaminated clothing and wash before reuse P378 - In case of fire: Use alcohol resistant foam, dry powder, carbon dioxide (CO2) to extinguish P403+P233 - Store in a well-ventilated place. Keep cool P405 - Store locked up
		P405 - Store locked up P501 - Dispose of contents and container to comply with applicable local, state, national and
	.3. Other hazards	
	other hazards which do not result in	· Spilled material may present a slipping bazard.

other hazards which do not result in classification

: Spilled material may present a slipping hazard.

2.4. Unknown acute toxicity (GHS-US)

No data available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	GHS-US classification
Glutaraldehyde	(CAS No) 111-30-8	<10	Flam. Liq. 4, H227 Acute Tox. 3 (Oral), H301 Acute Tox. 2 (Inhalation:dust,mist), H330 Skin Corr. 1B, H314 Eye Dam. 1, H318 Resp. Sens. 1, H334 Skin Sens. 1, H317 STOT SE 3, H335
Phenol	(CAS No) 108-95-2	<4	Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 Skin Corr. 1B, H314 Muta. 2, H341 STOT RE 2, H373
Isopropyl alcohol	(CAS No) 67-63-0	<3.5	Flam. Liq. 2, H225 Eye Irrit. 2A, H319 STOT SE 3, H336

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Name	Product identifier	%	GHS-US classification
Methyl alcohol	(CAS No) 67-56-1	<3.5	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation:vapor), H331 STOT SE 1, H370
Glyoxal	(CAS No) 107-22-2	<0.2	Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 Skin Sens. 1B, H317 Muta. 2, H341

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Call a doctor.
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep victim warm and rested. Seek medical attention immediately.
	If breathing stops, give artificial respiration. Transfer to hospital rapidly. Immediately call a doctor.
First-aid measures after skin contact	: Wash immediately with lots of water (15 minutes)/shower. Take off immediately all contaminated clothing. Get medical attention. Wash contaminated clothing before reuse.
First-aid measures after eye contact	: In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist. Remove contact lenses, if present and easy to do. Continue rinsing. Removal of contact lenses after an eye injury should only be undertaken by skilled personnel. Seek medical attention immediately. Transport to hospital.
First-aid measures after ingestion	: If swallowed, rinse mouth with water (only if the person is conscious). Immediately call a POISON CENTER. Give water or milk if the person is fully conscious. Take immediately victim to hospital. Seek medical advice (show the label where possible).
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/injuries	: Causes severe skin burns and eye damage. Suspected of causing genetic defects. May cause damage to organs.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation.
	Danger of serious damage to health by prolonged exposure through inhalation. Difficulty in breathing. Causes damage to liver through prolonged or repeated exposure if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Death in extreme cases.
Symptoms/injuries after skin contact	: May cause severe burns. Repeated exposure to this material can result in absorption through skin causing significant health hazard. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage. Redness and pain. Impaired vision, watering of eyes, defects in the cornea. Burning sensation. Inflammation. Can cause blindness.
Symptoms/injuries after ingestion	: Harmful if swallowed. Swallowing a small quantity of this material will result in serious health hazard. Central nervous system depression. Ingestion may cause nausea, vomiting and diarrhea. Swallowing can cause severe injury leading to death. Damage to kidneys. Affects the liver. This material contains methanol, which, when ingested, has cards acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death.

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

No additional information available

SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Alcohol resistant foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a solid water stream as it may scatter and spread fire.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: Flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture. Vapors can travel considerable distances to a source of ignition where they can ignite, flash back, or explode.
Reactivity	: Thermal decomposition generates : Corrosive vapors.

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5.2 Advice for firstick to a	
5.3. Advice for firefighters	
Firefighting instructions	 Prevent runoff from entering drains, sewers or waterways. Use water spray or fog for coolin exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting wate from entering environment.
Protective equipment for firefighte	rs : Do not enter fire area without proper protective equipment, including respiratory protection. Wea a self contained breathing apparatus.
Other information	: Flammable liquid and vapor. Heat may build pressure, rupturing closed containers, spreading fir and increasing risk of burns and injuries. Use water spray to cool unopened containers. Alcohol burn with a pale blue flame which may be extremely hard to see under normal lighting conditions Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must b exercised in fighting alcohol fires. Vapors are heavier than air and may travel considerable distanc to an ignition source and flash back to source of vapors. Move undamaged containers fror immediate hazard area if it can be done safely. On burning: release of carbon monoxide - carbo dioxide. unburned hydrocarbons. Formaldehyde. Corrosive vapors.
SECTION 6: Accidental rel	ease measures
6.1. Personal precautions, p	protective equipment and emergency procedures
General measures	: Stop leak if safe to do so. Avoid breathing dust, fume, mist, spray, vapors. Avoid contact with skin, eyes and clothing. Eliminate all ignition sources if safe to do so. Alcohols burn with a pale blue flame which may be extremely hard to see under normal lighting conditions. Personnel may be able to feel the heat of the fire without seeing flames. Extreme caution must be exercised in fighting alcohol fires. Gas or vapor heavier than air.
6.1.1. For non-emergency per	sonnel
Protective equipment	: Wear suitable protective clothing. For further information refer to section 8: "Exposure controls/personal protection".
Emergency procedures	: Evacuate unnecessary personnel.
6.1.2. For emergency respond	ders
Protective equipment	: Avoid breathing dust, fume, mist, spray, vapors. Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.
6.2. Environmental precaut	ons
Prevent entry to sewers and public	waters. Notify authorities if liquid enters sewers or public waters.
6.3. Methods and material f	or containment and cleaning up
Methods for cleaning up	: Keep upwind of the spilled material and isolate exposure . Wear proper protective equipment.
	Do NOT touch spilled material. Cleanup personnel must be trained in the safe handling of thi product. If possible ventilate area by means of non-sparking, grounded ventilation system Spills may be absorbed on non-reactive absorbents such as vermiculite. Place cells into individua plastic bags and then place into appropriate containers and close tightly for disposal. Ensur that cleanup procedures do not expose spilled material to any moisture. Immediatel transport closed containers outside.
	Contain large spillage with sand or earth. Contain any spills with dikes or absorbents to prever migration and entry into sewers or streams. Gather the product and place it in a spare containe that has been suitably labelled. Store away from other materials. Ensure all national and loca regulations are observed.
	Consult the appropriate authorities about waste disposal. Small spills may be flushed to a sanitar sewer with copious amounts of water, if in accordance with local, state or national legislation

6.4. **Reference to other sections**

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Precautions for safe handling	: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Work in a well-ventilated area. Avoid breathing dust, fume, mist, spray, vapors. Keep away from clothing as well as other incompatible materials. Avoid contact with skin, eyes and clothing. Provide good ventilation in process area to prevent formation of vapor. Keep away from heat, sparks, open flames, hot surfaces No smoking. Proper grounding procedures to avoid static electricity should be followed.

Eliminate all sources of ignition, avoid sparks, flames and do not smoke in risk area.

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Hygiene measures	: Handle in accordance with good industrial hygiene and safety practices. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed out of the workplace.
7.2. Conditions for safe storage, inclu	Iding any incompatibilities
Technical measures	: A washing facility for eye and skin cleaning purposes should be present. Ensure adequate ventilation. Comply with applicable regulations. Proper grounding procedures to avoid static electricity should be followed.
Storage conditions	 Protect containers against physical damage. Keep only in the original container in a cool, well ventilated place. Store away from direct sunlight or other heat sources. Keep container tightly closed.
Incompatible materials	: Strong acids, bases. Oxidizing agents.
Heat and ignition sources	: Store away from direct sunlight or other heat sources.
7.3. Specific end use(s)	

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. **Control parameters**

Methyl alcohol (67-56	5-1)	
USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	250 ppm
USA OSHA	OSHA PEL (TWA) (mg/m ³)	260 mg/m ³
USA OSHA	OSHA PEL (TWA) (ppm)	200 ppm

opm (activated and inactivated)
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USA ACGIH	ACGIH TWA (ppm)	200 ppm
USA ACGIH	ACGIH STEL (ppm)	400 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	980 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	400 ppm

ACGIH TWA (mg/m³)	0.1 mg/m ³ (inhalable fraction and vapor)
	ACGIH TWA (mg/m³)

Phenol (108-95-2)		
USA ACGIH	ACGIH TWA (ppm)	5 ppm
USA OSHA	OSHA PEL (TWA) (mg/m³)	19 mg/m³
USA OSHA	OSHA PEL (TWA) (ppm)	5 ppm

Exposure controls 8.2.

: Emergency eye wash fountains and safety showers should be available in the immediate vicinity Appropriate engineering controls of any potential exposure. Monitoring the effectiveness of engineering control is recommended. Use adequate general or local ventilation to keep airborne concentrations below the exposure limits. Personal protective equipment : Avoid all unnecessary exposure. Wear protective clothing, protective gloves, eye protection/goggles, face protection. For certain operations, additional Personal Protection Equipment (PPE) may be required. : Wear impermeable protective nitrile gloves. The quality of the protective gloves resistant to Hand protection chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. Eye protection : Contact lenses should not be worn. Chemical goggles and face shields are required to prevent potential eye contact, irritation or injury. : Long sleeved protective clothing. Overall. Rubber apron, boots. safety foot-wear. Skin and body protection Respiratory protection : In case of insufficient ventilation. Wear suitable respiratory equipment. Approved organic vapor respirator.

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 Environmental exposure controls
 : Avoid discharge to the environment.

 Other information
 : Do not eat, drink or smoke during use.

 SECTION 9: Physical and chemical properties

 9.1.
 Information on basic physical and chemical properties

9.1. Information on basic physical and	chemical properties
Physical state	: Liquid
Color	: Pink
Odor	: Slight pungent odor
Odor threshold	: No data available
рН	: No data available
Relative evaporation rate (butyl acetate=1)	: ≈1
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 65 °C (150 °F)
Flash point	: 48 °C (120 °F)
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapor pressure	: No data available
Relative vapor density at 20 °C	: ≈1
Relative density	: No data available
Density	: 1.0 Specific Gravity
Solubility	: Water: completely soluble
Log Pow	: No data available
Log Kow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
VOC content	: 12 % (with heat)

VOC content

: 12 % (with heat)

SECTION 10: Stability and reactivity

10.1. Reactivity

Thermal decomposition generates : Corrosive vapors.

10.2. Chemical stability

Stable under normal conditions. Unstable on exposure to heat. May form flammable/explosive vapor-air mixture.

10.3. Possibility of hazardous reactions

Hazardous polymerization will not occur.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Heat, sparks, open flames, hot surfaces. Heat sources.

10.5. Incompatible materials

Oxidizing agents. Strong acids. strong bases.

10.6. Hazardous decomposition products

Thermal decomposition generates : Corrosive vapors. Fume. Carbon monoxide. Carbon dioxide. Formaldehyde.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

: Harmful if swallowed. Harmful if inhaled.

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Methyl alcohol (67-56-1)				
LC50 inhalation rat (mg/l)	130.7 mg/l/4h (lit. ECHA)			
ATE US (oral)	100.0000000 mg/kg bodyweight			
ATE US (dermal)	300.0000000 mg/kg bodyweight			
ATE US (vapors)	3.0000000 mg/l/4h			
Glutaraldehyde (111-30-8)				
LD50 oral rat	252 mg/kg			
LD50 dermal rabbit	560 µl/kg			
LC50 inhalation rat (mg/l)	0.1 mg/l/4h			
ATE US (oral)	252.0000000 mg/kg bodyweight			
ATE US (vapors)	0.1000000 mg/l/4h			
ATE US (dust,mist)	0.1000000 mg/l/4h			
Isopropyl alcohol (67-63-0) LD50 oral rat	4000 mm/lut			
	4396 mg/kg			
LD50 dermal rabbit	12800 mg/kg			
LC50 inhalation rat (ppm)	16000 ppm (Exposure time: 8 h)			
ATE US (oral)	4396.0000000 mg/kg bodyweight			
ATE US (dermal)	12800.0000000 mg/kg bodyweight			
Glyoxal (107-22-2)				
LD50 oral rat	3300 mg/kg			
LD50 dermal rabbit	> 800 mg/kg			
LC50 inhalation rat (mg/l)	2.44 mg/l/4h			
ATE US (oral)	3300.0000000 mg/kg bodyweight			
ATE US (gases)	4500.0000000 ppmv/4h			
ATE US (vapors)	2.4400000 mg/l/4h			
ATE US (dust,mist)	2.4400000 mg/l/4h			
Phenol (108-95-2)				
LD50 oral rat	317			
LD50 dermal rat	525			
LD50 dermal rabbit	630 mg/kg			
ATE US (oral)	100.0000000 mg/kg bodyweight			
ATE US (dermal)	630.0000000 mg/kg bodyweight			
ATE US (gases)	700.0000000 ppmv/4h			
ATE US (vapors)	3.0000000 mg/l/4h			
ATE US (dust,mist)	0.50000000 mg/l/4h			
Skin corrosion/irritation	: Causes severe skin burns and eye damage.			
Serious eye damage/irritation	: Causes serious eve damage.			
Respiratory or skin sensitisation	 May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction. 			
Germ cell mutagenicity	: Suspected of causing genetic defects.			
Carcinogenicity	: Not classified			
Carolinogonioky	Based on available data, the classification criteria are not met.			
Isopropyl alcohol (67-63-0)				
IARC group	3 - Not classifiable			
Phenol (108-95-2)				
IARC group	3 - Not classifiable			
Reproductive toxicity	: Not classified			
	Based on available data, the classification criteria are not met.			
Specific target organ toxicity (single exposure)	: May cause respiratory irritation. May cause damage to organs.			
Specific target organ toxicity (repeated exposure)	: May cause damage to organs through prolonged or repeated exposure.			

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Aspiration hazard	: Not classified
	Based on available data, the classification criteria are not met.
Potential Adverse human health effects and symptoms	: Harmful if inhaled. Toxic if swallowed. Toxic in contact with skin.
Symptoms/injuries after inhalation	: Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Danger of serious damage to health by prolonged exposure through inhalation. Difficulty in breathing. Causes damage to liver through prolonged or repeate exposure if inhaled. Depression of the central nervous system, headaches, dizziness, drowsiness, loss of coordination. Death in extreme cases.
Symptoms/injuries after skin contact	: May cause severe burns. Repeated exposure to this material can result in absorption through skin causing significant health hazard. May cause an allergic skin reaction.
Symptoms/injuries after eye contact	: Causes serious eye damage. Redness and pain. Impaired vision, watering of eyes, defects in the cornea. Burning sensation. Inflammation. Can cause blindness.
Symptoms/injuries after ingestion	: Harmful if swallowed. Swallowing a small quantity of this material will result in serious hea hazard. Central nervous system depression. Ingestion may cause nausea, vomiting and diarrhe Swallowing can cause severe injury leading to death. Damage to kidneys. Affects the liver. The material contains methanol, which, when ingested, has cards acidosis, ocular toxicity ranging from diminished visual capacity to complete blindness, and death.

SECTION 12: Ecological information

12.1. Toxicity

LC50 fishes 1	> 12700 mg/l 96 hours			
EC50 Daphnia 1	> 10000 mg/l			
Glutaraldehyde (111-30-8)				
LC50 fishes 1	7.8 - 22 mg/l (Exposure time: 96 h - Species: Lepomis macrochirus [static])			
EC50 Daphnia 1	14 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
LC50 fish 2	2.6 - 4.8 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])			
EC50 Daphnia 2	0.56 - 1.0 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])			
Isopropyl alcohol (67-63-0)				
LC50 fishes 1	9640 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])			
EC50 Daphnia 1	13299 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
LC50 fish 2	11130 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])			
Glyoxal (107-22-2)				
LC50 fishes 1	215 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])			
EC50 Daphnia 1	404 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
Phenol (108-95-2)				
LC50 fishes 1	11.9 - 50.5 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])			
EC50 Daphnia 1	4.24 - 10.7 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])			
LC50 fish 2	20.5 - 25.6 mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])			
EC50 Daphnia 2	10.2 - 15.5 mg/l (Exposure time: 48 h - Species: Daphnia magna)			
.2. Persistence and degradability				
Tri-San Power Factor				
Persistence and degradability	Not established.			
.3. Bioaccumulative potential				
Tri-San Power Factor				
Bioaccumulative potential	Not established.			
Glutaraldehyde (111-30-8)				
Log Pow	0.22 (at 25 °C)			
-				
Isopropyl alcohol (67-63-0)				
Log Pow	0.05 (at 25 °C)			
Glyoxal (107-22-2)				
Log Pow	-0.85 (at 25 °C)			
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Phenol (108-95-2)	
BCF fish 1	(no significant bioaccumulation)
Log Pow	1.47
12.4. Mobility in soil	
No additional information available	
12.5. Other adverse effects	
Effect on ozone layer	: No additional information available
Effect on the global warming	: No additional information available
Other information	: Avoid release to the environment.
SECTION 13: Disposal considera	ations
13.1. Waste treatment methods	
Waste disposal recommendations	: It is the responsibility of the user to determine if disposal material is hazardous according to federal, state and local regulations. Dispose of contents and container to comply with applicable local, state, national and international regulation. Do not pressurize, cut, weld, braze solder, drill, grind, or expose containers to flames, sparks, heat, or other potential ignition sources. Do not re-use empty containers. Dispose in a safe manner in accordance with local and national regulations. Consult the appropriate authorities about waste disposal. Incinerate, dispose in sanitary landfill - if permitted. Ensure all national and local regulations are observed.

Ecology - waste materials : Avoid release to the environment. Hazardous waste due to toxicity.

: UN2924, Flammable liquids, corrosive, n.o.s. (Isopropanol, Methanol, Glutaraldehyde), 3, PGIII,

SECTION 14: Transport information

In accordance with DOT

				-	
Trans	oort	doc	ume	nt de	scription

Hazard labels (DOT)

- ltd. qty. : 3 - Flammable liquid
- 8 Corrosive



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Packing group (DOT)	: III - Minor Danger
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 203
DOT Packaging Bulk (49 CFR 173.xxx)	: 241
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	: 5L
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 60 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
DOT Vessel Stowage Other	: 40 - Stow "clear of living quarters"
Additional information	
Other information	: No supplementary information available.
Transport by sea	

Transport by sea

No additional information available

Air transport

No additional information available

S	ECTION 15: Regulatory information	
1	5.1. US Federal regulations	
	Methyl alcohol (67-56-1)	
	RQ (Reportable quantity, section 304 of EPA's List of Lists) :	5000 lb

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Methyl alcohol (67-56-1)			
SARA Section 313 - Emission Reporting	1.0 %		
Isopropyl alcohol (67-63-0)			
Listed on the United States TSCA (Toxic Substar Listed on United States SARA Section 313	nces Control Act) inventory		
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.		
SARA Section 313 - Emission Reporting	1.0 % (only if manufactured by the strong acid process, no supplier notification)		
Phenol (108-95-2)			
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on the United States SARA Section 302 Listed on United States SARA Section 313			
EPA TSCA Regulatory Flag	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.		
RQ (Reportable quantity, section 304 of EPA's List of Lists) :	1000 lb		
SARA Section 302 Threshold Planning Quantity (TPQ)	500 - 10000		
SARA Section 313 - Emission Reporting	1.0 %		

15.2. International regulations

CANADA

Glutaraldehyde (111-30-8)	
Listed on the Canadian DSL (Domes	tic Sustances List)
WHMIS Classification	Class D Division 1 Subdivision B - Toxic material causing immediate and serious toxic effect Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class E - Corrosive Material
Isopropyl alcohol (67-63-0)	
Listed on the Canadian DSL (Domes	tic Sustances List)
WHMIS Classification	Class B Division 2 - Flammable Liquid Class D Division 2 Subdivision B - Toxic material causing other toxic effects
Glyoxal (107-22-2)	
Listed on the Canadian DSL (Domes	tic Sustances List)
WHMIS Classification	Class D Division 2 Subdivision B - Toxic material causing other toxic effects Class F - Dangerously Reactive Material
Phenol (108-95-2)	
Listed on the Canadian DSL (Domes	tic Sustances List)
WHMIS Classification	Class D Division 1 Subdivision A - Very toxic material causing immediate and serious toxic effects Class E - Corrosive Material

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HSNO Approval Number	HSR 002564
ERMA Group Standard	Embalming Products (Flammable, Toxic [6.1], Corrosive) Group Standard 2006

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HSNO controls: Trigger quantities beyond which site and storage conditions apply:		
Location and transit depot test certific	ation: 500 L (closed containers greater than 5 L) 1,500 L (closed containers up to and including 5 L) 250 L (open containers)	
Hazardous atmosphere zone:	100 L (closed containers) 25 L (decanting) 5 L (open occasionally) 1 L (open container in continuous use)	
Fire extinguishers:	500 L	
Response plans and secondary containment: 100 L		
Signage:	1,000 L	
Approved handler test certificate:	Required for HSNO Class 6 substance	
Tracking requirements:6.1B substances must comply with the Hazardous Substances (Tracking) Regulations 2001.		
This information is subject to the conditions and exceptions detailed in the relevant Group Standard available from http://ermanz.govt.nz/hs/groupstandards/index.html.		

EU-Regulations

Isopropyl alcohol (67-63-0)

Phenol (108-95-2)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Classification according to Regulation (EC) No. 1272/2008 [CLP] No additional information available

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

No additional information available

15.2.2. National regulations

Isopropy	l alcohol	(67-63-0)
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	Listed on the AICS (Australian Inventory of Chemical Substances)	
	Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
	Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
	Listed on the Japanese ISHL (Industrial Safety and Health Law)	
	Listed on the Korean ECL (Existing Chemicals List)	
	Listed on NZIoC (New Zealand Inventory of Chemicals)	
	Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)	
	Listed on the Canadian IDL (Ingredient Disclosure List)	
Phenol (108-95-2)		
	Listed on the AICS (Australian Inventory of Chemical Substances)	
	Listed on IECSC (Inventory of Existing Chemical Substances Produced or Imported in China)	
	Listed on the Japanese ENCS (Existing & New Chemical Substances) inventory	
	Listed on the Japanese ISHL (Industrial Safety and Health Law)	
	Listed on the Korean ECL (Existing Chemicals List)	
	Listed on NZIoC (New Zealand Inventory of Chemicals)	

Listed on PICCS (Philippines Inventory of Chemicals and Chemical Substances)

Japanese Poisonous and Deleterious Substances Control Law

Japanese Pollutant Release and Transfer Register Law (PRTR Law) Listed on the Canadian IDL (Ingredient Disclosure List)

15.3. US State regulations

Methyl alcohol (67-56-1)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 -	U.S California - Proposition 65 -	No significance risk level (NSRL)

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Methyl alcohol (67-56-1)					
			Reproductive Toxicity - Female	Reproductive Toxicity - Male	
		Yes			

SECTION 16: Other information

Other information

: None.

Full text of H-phrases: see section 16:

or n-philases, see section to.	
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal) Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhalation) Category 3
Acute Tox. 3 (Inhalation:vapor)	Acute toxicity (inhalation:vapor) Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhalation) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation, Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 3	Flammable liquids Category 3
Flam. Liq. 4	Flammable liquids Category 4
Muta. 2	Flammable liquids Category 1 flammable liquids Category 4
Resp. Sens. 1	Sensitisation — Respiratory, category 1
Skin Corr. 1B	Skin corrosion/irritation Category 1B
Skin Irrit. 2	skin corrosion/irritation Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT RE 2	Specific target organ toxicity (repeated exposure) Category 2
STOT SE 1	Specific target organ toxicity (single exposure) Category 1
STOT SE 2	Specific target organ toxicity (single exposure) Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H227	Combustible liquid
H301	Toxic if swallowed
H302	Harmful if swallowed
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H318	Causes serious eye damage
H319	Causes serious eye irritation
H330	Fatal if inhaled
H331	Toxic if inhaled
H332	Harmful if inhaled
H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H341	Suspected of causing genetic defects
H370	Causes damage to organs
H371	May cause damage to organs
H373	May cause damage to organs through prolonged or repeated exposure

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HMIS III Rating

Health	:	:	2 Moderate Hazard - Temporary or minor injury may occur
Flammabi	lity :	:	2 Moderate Hazard
Physical	:	:	0 Minimal Hazard
SDS US (GH	IS HazCom 2012)		

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