

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 | |
| February 2023 | EN (English) | | | | Page 1 |

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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 |

Safety Data Sheet according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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. |

Safety Data Sheet

| 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.

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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) |
|---------------------------------|
| |
| 4 |

| 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.

Safety Data Sheet

| according to the federal final rule of hazard comm | nunication revised on 2012 (HazCom 2012) |
|--|--|
|--|--|

 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.

Safety Data Sheet according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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. | | | |

Safety Data Sheet according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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) | | | |
| Cohruppy 2022 | EN (English) 9/4 | | | |
| | | | | |

| Safety Data Sheet according to the federal final rule of hazard commu | nication revised on 2012 (HazCom 2012) |
|---|---|
| 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



| | • |
|--|---|
| 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 |

Safety Data Sheet according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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 |

NEW ZEALAND

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

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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) |
|----------|-----------|-----------|
|----------|-----------|-----------|

| | 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) |

Safety Data Sheet according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

| 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 |

Safety Data Sheet

according to the federal final rule of hazard communication revised on 2012 (HazCom 2012)

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) | | |

The information herein given is in good faith but no warranty, expressed or implied, is made, except that to the best of the Company's knowledge it is accurate. The Champion Company does not assume any legal responsibilities for use or dependence upon same. Customers may wish to conduct tests of their own. The user is urged to read the information provided on the label before using product.