



1. IDENTIFICATION

Product Name Formaldehyde Other Names Formaldehyde 37/7

Uses Used as disinfectant, biocide and in manufacture of phenolic resins and adhesives. Renders casein, albumin and

gelatin insoluble.

Chemical Family No Data Available

Chemical Formula CH2O

Chemical Name Formaldehyde solution **Product Description** No Data Available

Contact Details of the Supplier of this Safety Data Sheet

Organisation	Location	Telephone
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

Emergency Contact Details

For emergencies only; DO NOT contact these companies for general product advice.

Organisation	Location	Telephone
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

2. HAZARD IDENTIFICATION

Schedule 6 Poisons Schedule (Aust)

Globally Harmonised System







Hazard Classification Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of

Chemicals (GHS)

Hazard Categories Flammable Liquids - Category 4

Acute Toxicity (Oral) - Category 3

Acute Toxicity (Dermal) - Category 3

Acute Toxicity (Inhalation) - Category 3

Skin Corrosion/Irritation - Category 1B

Serious Eye Damage/Irritation - Category 1

Sensitisation (Skin) - Category 1 Germ Cell Mutagenicity - Category 2 Carcinogenicity - Category 1B

Specific Target Organ Toxicity (Single Exposure) - Category 2 Acute Hazard To The Aquatic Environment - Category 2

Pictograms







Signal Word Danger

Hazard Statements H227 Combustible liquid.

H301 + H311 + H331 Toxic if swallowed, in contact with skin or if inhaled.

H314 Causes severe skin burns and eye damage.

H317 May cause an allergic skin reaction.
H341 Suspected of causing genetic defects.
H350i May cause cancer by inhalation.
H371 May cause damage to organs.

H401 Toxic to aquatic life.

Precautionary Statements Prevention P210 Keep away from flames and hot surfaces. No smoking.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P233 Keep container tightly closed.

P260 Do not breathe gas/mist/vapours/spray.
P201 Obtain special instructions before use.
P273 Avoid release to the environment.

P270 Do not eat, drink or smoke when using this product.P271 Use only outdoors or in a well-ventilated area.

P272 Contaminated work clothing should not be allowed out of the workplace.

Response P370 + P378 In case of fire: Alcohol resistant foam is the preferred fire-fighting medium.

However, if it is not available, fine water spray or water fog can be used to

extinguish.

P310 Immediately call a POISON CENTER or doctor.

P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin

with water or shower.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing.

P308 + P313 IF exposed or concerned: Get medical attention.

P304 + P340 IF INHALED: Remove victim to fresh air and keep comfortable for breathing.

P301 + P330 + P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P363 Wash contaminated clothing before reuse.

P333 + P313 If skin irritation or rash occurs: Get medical attention.

Storage **P403 + P235** Store in a well-ventilated place. Keep cool.



P405 Store locked up.

Disposal P501 Dispose of contents/container in accordance with local / regional / national /

international regulations.

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

HSNO Classifications	Physical Hazards	3.1D	Flammable liquid - low hazard	
	Health Hazards	6.1B	Substances that are acutely toxic - Fatal	
		6.1C	Substances that are acutely toxic- Toxic	
		6.5B	Substances that are contact sensitisers	
		6.6B	Substances that are suspected human mutagens	
		6.7A	Substances that are known or presumed human carcinogens	
		6.9B	Substances that are harmful to human target organs or systems	
		8.2C	Substances that are corrosive to dermal tissue UN PGIII	
		8.3A	Substances that are corrosive to ocular tissue	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Formaldehyde	CH2O	50-00-0	36 - 43 %
Methanol	CH4O	67-56-1	<=10 %
Formic acid	CH2O2	64-18-6	<=0.05 %
Water	H2O	7732-18-5	Balance %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed IF SWALLOWED: Rinse mouth, then give up to 200 ml water for dilution where patient is able to swallow. Do NOT

induce vomiting. Immediately call a Poison Centre or doctor/physician for advice. Never give anything by mouth to an

unconscious person. Transport to hospital or doctor without delay!

Eye IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally

lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue flushing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. Transport to hospital or doctor without

delay! Continue to irrigate with normal saline during transport to hospital.

*Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

Skin IF ON SKIN (or hair): Remove and isolate contaminated clothing and shoes. Immediately flush skin and hair with

running water for at least 15 minutes. Immediately call a Poison Centre or doctor/physician for advice. Wash contaminated clothing and shoes before reuse. Transport to hospital or doctor without delay!

*Skin burns should be covered with dry, sterile bandages, following decontamination.

Inhaled IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a

Poison Centre or doctor/physician for advice. Give artificial respiration if victim is not breathing. Do not use mouth-to-



mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Administer oxygen if breathing is difficult.

Transport to hospital or doctor without delay!

Advice to Doctor Treat symptomatically (for corrosives). Keep victim calm and warm. Effects of exposure (inhalation, ingestion or skin

contact) to substance may be delayed. Monitor and treat, where necessary, for pulmonary oedema. Monitor and treat, where necessary, for shock. Anticipate seizures. Do NOT attempt neutralisation as exothermic reaction may

occur.

*Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves.

Medical Conditions Aggravated

by Exposure

May cause an allergic skin reaction.

5. FIRE FIGHTING MEASURES

General Measures Alert Fire Brigade and tell them location and nature of hazard. If safe to do so, move undamaged containers from fire

area. Do not approach containers suspected to be hot. Cool container with water spray until well after fire is out. Dike

fire-control water for later disposal; do not scatter the material. Do not get water inside containers.

*Equipment should be thoroughly decontaminated after use. Combustible liquid: May be ignited by heat, sparks or flame.

*The product contains a substantial proportion of water; evaporation of water from the mixture, caused by the heat of

nearby fire, may produce floating layers of combustible substances.

Extinguishing Media Use dry chemical, Carbon dioxide (CO2), alcohol-resistant foam or water spray for extinction. Choice of extinguishing

media should take into account surrounding areas.

*Alcohol resistant foam is the preferred firefighting medium but, if it is not available, fine water spray can be used.

Fire and Explosion Hazard Mists containing combustible materials may be explosive. Vapours may form explosive mixtures with air. Vapours may travel to source of ignition and flash back. Most vapours are heavier than air and will collect in low or confined

areas. Vapour explosion hazard indoors, outdoors or in sewers! Containers may explode when heated. Many liquids

are lighter than water.

Hazardous Products of

Flammability Conditions

Combustion

Fire will produce irritating, corrosive and/or toxic gases, including carbon monoxide (CO), carbon dioxide (CO2), other

pyrolysis products typical of burning organic material. May emit acrid smoke.

Special Fire Fighting

Instructions

Contain runoff from fire control or dilution water - Runoff may cause pollution. Runoff to sewer may create fire or

explosion hazard!

Personal Protective Equipment Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing - It may

provide little or no thermal protection. Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

Flash Point >60 - 85 °C [Open cup]

Lower Explosion Limit 7 % **Upper Explosion Limit** 73 %

Auto Ignition Temperature 395 - 424 °C

Hazchem Code •2X

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation - Ventilate enclosed spaces before entering, ELIMINATE all ignition sources (no smoking,

flares, sparks or flames in immediate area). All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Clean up all spills immediately! Do not breathe vapours and prevent contact

with eyes, skin and clothing.

Clean Up Procedures Absorb with earth, sand or other non-combustible material. Use clean, non-sparking tools to collect absorbed

material and transfer to labelled containers for disposal (see SECTION 13).

*Collect recoverable product into labelled containers for recycling.

Containment Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far

ahead of liquid spill for later disposal.

*A vapour-suppressing foam may be used to reduce vapours. Water spray may reduce vapour, but may not prevent

ignition in closed spaces.

Decontamination Neutralise/decontaminate residue. Wash area and prevent runoff into drains.

*After clean up operations, decontaminate and launder all protective clothing and equipment before storing and re-

using.

Environmental Precautionary

Measures

Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of

drains or waterways occurs, advise emergency services



*Drains for storage or use areas should have retention basins for pH adjustments and dilution of spills before discharge or disposal of material.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher

ground.

*Large spill: Immediately contact Police or Fire Brigade; Consider initial downwind evacuation of areas within at least 250 m.

Personal Precautionary

Measures

Wear positive pressure self-contained breathing apparatus (SCBA). Fully encapsulating, vapour-protective clothing should be worn for spills and leaks with no fire.

*Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible.

7. HANDLING AND STORAGE

Handling Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure

adequate ventilation - Use only outdoors or in a well-ventilated area. Obtain special instructions before use - Do not handle until all safety precautions have been read and understood. Do not breathe gas/mist/vapours/spray and prevent contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection (see SECTION 8). Combustible liquid: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Ground and bond container and receiving equipment. Avoid contact

with moisture and incompatible materials. Avoid release to the environment.

Storage Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers securely sealed when not in use.

Protect containers against physical damage and check regularly for leaks. Avoid exposure to light and air. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from

food/feedstuffs and incompatible materials (see SECTION 10). Store locked up.

Container Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General For Formaldehyde (CAS No. 50-00-0):

- Safe Work Australia Exposure Standard: TWA = 1 ppm (1.2 mg/m3); STEL = 2 ppm (2.5 mg/m3); Suspected human carcinogen (Carc. 2); Respiratory and/or Skin Sensitiser (Sen).

- New Zealand Workplace Exposure Standard [Adopted 2022]: TWA = 0.3 ppm; STEL = 0.6 ppm; Known or presumed human carcinogen (carcinogen category 1); Dermal sensitiser (dsen).

COMPONENT: Methanol (CAS No. 67-56-1):

- Safe Work Australia Exposure Standard: TWA = 200 ppm (262 mg/m3); STEL = 250 ppm (328 mg/m3); Absorption through the skin may be a significant source of exposure (Sk).

- New Zealand Workplace Exposure Standard [Next review 2022]: TWA = 200 ppm (262 mg/m3); STEL = 250 ppm (328 mg/m3); Skin absorption (skin); Exposure can also be estimated by biological monitoring (bio). COMPONENT: Formic acid (CAS No. 64-18-6):

- Safe Work Australia Exposure Standard: TWA = 5 ppm (9.4 mg/m3); STEL = 10 ppm (19 mg/m3).

- New Zealand Workplace Exposure Standard: TWA = 5 ppm (9.4 mg/m3); STEL = 10 ppm (19 mg/m3).

Exposure LimitsNo Data AvailableBiological LimitsNo information available.

Engineering Measures A system of local and/o

A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source,

preventing dispersion of it into the general work area.

Personal Protection Equipment
- Respiratory protection: In case of inadequate ventilation, wear respiratory protection. Recommended: Type BAX
Filter of sufficient capacity (refer to AS/NZS 1715 & 1716). Cartridge respirators should never be used for emergency
ingress or in areas of unknown vapour concentrations or oxygen content. The wearer must be warned to leave the

contaminated area immediately on detecting any odours through the respirator.

- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Chemical goggles. Full face shield may be required for supplementary but never for primary protection of eyes.

- Hand protection: Wear protective gloves. Recommended: Long (elbow-length) impervious gloves, e.g. PVC, Vinyl gloves (excellent protection); NR latex, Nitrile and Neoprene (good protection).

- Skin/body protection: Wear appropriate personal protective clothing to prevent skin contact. Recommended: Overalls, PVC Apron. PVC protective suit may be required if exposure severe. Wear safety footwear or safety gumboots, e.g. Rubber. When handling corrosive liquids, wear trousers or overalls outside of boots, to avoid spills

Special Hazards Precaustions

Atmosphere should be regularly checked against established exposure standards to ensure safe working conditions are maintained.



Work Hygienic Practices

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Do NOT allow clothing wet with material to stay in contact with skin. Wash contaminated clothing and other protective equipment before storage or re-use. Work clothes should be laundered separately. Contaminated work clothing should not be allowed out of the workplace.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical StateLiquidAppearanceClear liquidOdourPungentColourColourless

pH 3.0 - 4.0 (as supplied)Vapour Pressure No Data Available

Relative Vapour Density>1 Air = 1Boiling Point96 - 101 °CMelting PointNo Data AvailableFreezing PointNo Data AvailableSolubilityMiscible with waterSpecific Gravity1.08 - 1.14 (Water = 1)Flash Point>60 - 85 °C [Open cup]

Auto Ignition Temp 395 - 424 °C **Evaporation Rate** No Data Available **Bulk Density** No Data Available **Corrosion Rate** No Data Available **Decomposition Temperature** No Data Available No Data Available **Density Specific Heat** No Data Available **Molecular Weight** No Data Available **Net Propellant Weight** No Data Available **Octanol Water Coefficient** No Data Available **Particle Size** No Data Available **Partition Coefficient** No Data Available Saturated Vapour Concentration No Data Available Vapour Temperature No Data Available 1 - 5 cPs (@ 25 °C) Viscosity

Volatile Percent 100

VOC Volume No Data Available

Additional Characteristics No information available.

Potential for Dust Explosion Not applicable.

Fast or Intensely Burning

Characteristics

No information available.

Flame Propagation or Burning No information available. Rate of Solid Materials

Non-Flammables That Could

No information available.

Contribute Unusual Hazards to a Fire

or Combusti

Properties That May Initiate or Contribute to Fire Intensity

Combustible liquid: May be ignited by heat, sparks or flame.

*The product contains a substantial proportion of water; evaporation of water from the mixture, caused by the heat of nearby fire, may produce floating layers of combustible substances.

Reactions That Release Gases or Vapours

Fire/decomposition will produce irritating, corrosive and/or toxic gases, including carbon monoxide (CO), carbon dioxide (CO2), other pyrolysis products typical of burning organic material. May emit acrid smoke.



Vapours and Gases

Release of Invisible Flammable Vapours may form explosive mixtures with air. Mists containing combustible materials may be explosive.

10. STABILITY AND REACTIVITY

General Information At elevated temperatures, oxidation of formaldehyde produces formic acid. Reacts with mild steel, galvanised

steel/zinc liberating flammable hydrogen gas.

Chemical Stability Product is considered stable.

*Unstable in the presence of incompatible materials.

Conditions to Avoid Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid exposure to light and air.

Materials to Avoid Incompatible/reactive with strong oxidisers, alkalis and acids, phenols, urea, oxides, isocyanates, caustics,

anhydrides.

Hazardous Decomposition

Products

Fire/decomposition will produce irritating, corrosive and/or toxic gases, including carbon monoxide (CO), carbon

dioxide (CO2), other pyrolysis products typical of burning organic material. May emit acrid smoke.

Hazardous Polymerisation Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

General Information

- Acute toxicity: Toxic if swallowed, in contact with skin and if inhaled. The material can produce chemical burns within the oral cavity and gastrointestinal tract following ingestion.
- Skin corrosion/irritation: Causes severe skin burns and eye damage.
- Eye damage/irritation: Causes serious eye damage. Vapours or mists may be extremely irritating.
- Respiratory/skin sensitisation: May cause an allergic skin reaction (Formaldehyde). Practical experience shows that skin contact with the material is capable either of inducing a sensitisation reaction in a substantial number of individuals, and/or of producing a positive response in experimental animals.
- Germ cell mutagenicity: Suspected of causing genetic defects (Formaldehyde).
- Carcinogenicity: May cause cancer by inhalation. Formaldehyde (CAS No. 50-00-0) is Classified by the IARC Monographs as "Carcinogenic to humans" (Group 1).
- Reproductive toxicity: There is limited evidence that formaldehyde has any adverse effect on reproduction or development in humans.
- STOT (single exposure): May cause damage to organs (Methanol). Inhalation of vapours may cause drowsiness and dizziness. This may be accompanied by narcosis, reduced alertness, loss of reflexes, lack of coordination and vertigo. Inhalation of vapour at relatively low concentrations may cause a tingling sensation in the nose and upper respiratory tract. Slightly higher concentrations may cause a burning sensation, headache. High vapour concentrations of formaldehyde are capable of causing chest constriction, bronchopneumonia, dysphagia, oedema, spasms of the larynx and dyspnoea. Minor but regular methanol exposures may effect the central nervous system, optic nerves and retinae. Symptoms may be delayed, with headache, fatigue, nausea, blurring of vision and double vision. Continued or severe exposures may cause damage to optic nerves, which may become severe with permanent visual impairment, even blindness resulting. WARNING: Methanol is only slowly eliminated from the body and should be regarded as a cumulative poison which cannot be made non-harmful!
- STOT (repeated exposure): Danger of serious damage to health by prolonged exposure through inhalation, in contact with skin and if swallowed. Long-term exposure to methanol vapour, at concentrations exceeding 3000 ppm, may produce cumulative effects characterised by gastrointestinal disturbances (nausea, vomiting), headache, ringing in the ears, insomnia, trembling, unsteady gait, vertigo, conjunctivitis and clouded or double vision. Liver and/or kidney injury may also result. Some individuals show severe eye damage following prolonged exposure to 800 ppm of
- Aspiration toxicity: No information available.

Acute

Ingestion Acute toxicity (Oral):

COMPONENT: Formaldehyde (CAS No. 50-00-0):

- LD50, Rat: 800 mg/kg bw.

LD50, Guinea-pig: 260 mg/kg bw.

COMPONENT: Methanol (CAS No. 67-56-1):

- LD50, Rat: 5,628 mg/kg bw.

- LDLo = 143 - 428 mg/kg bw. (humans).

Other Acute toxicity (Dermal):

COMPONENT: Formaldehyde (CAS No. 50-00-0):

LD50, Rabbit: 270 mg/kg bw.

COMPONENT: Methanol (CAS No. 67-56-1): - LD50, Rabbit: 15,800 - 20,000 mg/kg bw.



Inhalation Acute toxicity (Inhalation):

COMPONENT: Formaldehyde (CAS No. 50-00-0): - LC50, Rat: 480 ppm (578 mg/m3) (4 h) - LC50, Mouse: 414 ppm (497 mg/m3 (4 h) COMPONENT: Methanol (CAS No. 67-56-1): - LC50, Rat: 87.5 mg/L (6 h) & 128.2 mg/L (4 h)

Carcinogen Category Cat. 1B

12. ECOLOGICAL INFORMATION

Ecotoxicity Aquatic toxicity:

COMPONENT: Formaldehyde (CAS No. 5-00-0): - LC50, Fish: 0.002 mg/L (96 h) [Supplier's SDS].

- EC50, Crustacea: 0.014 - 0.022 mg/L (48 h) [Supplier's SDS].

- EC50, Algae/other aquatic plants: 1.034 - 1.984 mg/L (72 h) [Supplier's SDS].

COMPONENT: Methanol (CAS No. 67-56-1):

- LC50, Fish: 21.233 - 24.544 mg/L (96 h) [Supplier's SDS].

Persistence/Degradability COMPONENT: Formaldehyde (CAS No. 5-00-0):

Persistence (water/soil): LOW (Half-life = 14 days)
 Persistence (air): LOW (Half-life = 2.97 days)
 COMPONENT: Methanol (CAS No. 67-56-1):

Persistence (water/soil): LOWPersistence (air): LOW

Mobility Mobility in soil:

COMPONENT: Formaldehyde (CAS No. 5-00-0):

- HIGH (KOC = 1)

COMPONENT: Methanol (CAS No. 67-56-1):

- HIGH (KOC = 1)

Environmental Fate Toxic to aquatic life - Avoid release to the environment.

Bioaccumulation Potential COMPONENT: Formaldehyde (CAS No. 5-00-0):

- LOW (LogKOW = 0.35)

COMPONENT: Methanol (CAS No. 67-56-1):

- LOW (BCF = 10)

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Dispose of contents/container in accordance with local/regional/national regulations. This material may be recycled if

unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to reclaim the product by filtration, distillation or some other means. Shelf life considerations should also be applied in making decisions of this type. Note that properties of a material may change

in use, and recycling or reuse may not always be appropriate.

Special Precautions for Land Fill Containers may still present a chemical hazard/danger when empty. If container can not be cleaned sufficiently well to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture

to ensure that residuals do not remain or if the container cannot be used to store the same product, then puncture containers, to prevent re-use, and bury at an authorised landfill. Where possible retain label warnings and SDS and

observe all notices pertaining to the product.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances



Subsidiary Risk(s) C1 Combustible Liquids - Flash Point >60°C - <=93°C, Closed Cup

EPG 19 Liquids - Flammable , Toxic And/Or Corrosive

 UN Number
 2209

 Hazchem
 •2X

 Pack Group
 III

Special Provision No Data Available

Land Transport (Malaysia)

ADR Code

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available

EPG 19 Liquids - Flammable , Toxic And/Or Corrosive

 UN Number
 2209

 Hazchem
 •2X

 Pack Group
 III

Special Provision No Data Available

Land Transport (New Zealand)

NZS5433

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available

EPG 19 Liquids - Flammable , Toxic And/Or Corrosive

 UN Number
 2209

 Hazchem
 •2X

 Pack Group
 III

Special Provision No Data Available

Land Transport (United States of America)

US DOT

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available

ERG 132 Flammable Liquids - Corrosive

 UN Number
 2209

 Hazchem
 2X

 Pack Group
 III

Special Provision No Data Available

Sea Transport

IMDG Code

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available

 UN Number
 2209

 Hazchem
 2X

 Pack Group
 III

Special Provision No Data Available

EMS F-A, S-B



Marine Pollutant No

Air Transport

IATA DGR

Proper Shipping Name FORMALDEHYDE SOLUTION with not less than 25% formaldehyde

Class 8 Corrosive Substances
Subsidiary Risk(s) No Data Available

 UN Number
 2209

 Hazchem
 2X

 Pack Group
 III

Special Provision No Data Available

National Transport Commission (Australia)

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

Dangerous Goods Classification Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods

by Road & Rail (ADG Code)

15. REGULATORY INFORMATION

General InformationFORMALDEHYDEPoisons Schedule (Aust)Schedule 6

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code HSR001518 (Reissued)

National/Regional Inventories

Australia (AIIC) Listed

Canada (DSL) Not Determined

Canada (NDSL) Not Determined

China (IECSC) Not Determined

Europe (EINECS) 200-001-8

Europe (REACh) Not Determined

Japan (ENCS/METI) Not Determined

Korea (KECI) Not Determined

Malaysia (EHS Register) Not Determined

New Zealand (NZIoC) Listed

Philippines (PICCS) Not Determined

Switzerland (Giftliste 1) Not Determined



Switzerland (Inventory of Notified

Substances)

Not Determined

Taiwan (NCSR) Not Determined

USA (TSCA) Not Determined

16. OTHER INFORMATION

Related Product Codes FORMAL1000, FORMAL1001, FORMAL1002, FORMAL1003, FORMAL1004, FORMAL1005, FORMAL1006,

FORMAL1007, FORMAL1008, FORMAL1009, FORMAL1010, FORMAL1011, FORMAL1012, FORMAL1013, FORMAL1014, FORMAL1015, FORMAL1016, FORMAL1017, FORMAL1018, FORMAL1019, FORMAL1020, FORMAL1021, FORMAL1022, FORMAL1023, FORMAL1024, FORMAL1026, FORMAL1027, FORMAL1028, FORMAL1036, FORMAL1037, FORMAL1100, FORMAL1107, FORMAL1108, FORMAL1109, FORMAL1200, FORMAL1200, FORMAL1222, FORMAL1300, FORMAL1800, FORMAL1801, FORMAL1802, FORMAL1803, FORMAL1804, FORMAL1805, FORMAL1806, FORMAL1807, FORMAL1808, FORMAL1809, FORMAL1810, FORMAL1811, FORMAL1812, FORMAL1813, FORMAL1814, FORMAL1815, FORMAL1816, FORMAL1817, FORMAL1818, FORMAL1819, FORMAL1820, FORMAL1821, FORMAL1822, FORMAL1823, FORMAL1824, FORMAL1825, FORMAL1826, FORMAL1827, FORMAL1828, FORMAL1829, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1830, FORMAL1901, FORMAL1902, FORMAL1916, FORMAL2000, FORMAL2001, FORMAL3000, FORMAL3000, FORMAL6300, FORMAL

FORMAL8600, FORMAL8610, FORMAL8700, FORMAL9000

Revision 5

Revision Date23 Mar 2021Reason for IssueSDS updated.Key/Legend< Less Than</th>

> Greater Than

AICS Australian Inventory of Chemical Substances

atm Atmosphere

CAS Chemical Abstracts Service (Registry Number)

cm² Square CentimetresCO2 Carbon Dioxide

COD Chemical Oxygen Demand **deg C (°C)** Degrees Celcius

EPA (New Zealand) Environmental Protection Authority of New Zealand

deg F (°F) Degrees Farenheit

g Grams

g/cm³ Grams per Cubic Centimetre

g/I Grams per Litre

HSNO Hazardous Substance and New Organism IDLH Immediately Dangerous to Life and Health immiscible Liquids are insoluable in each other.

inHg Inch of Mercury
inH2O Inch of Water

K Kelvin **kg** Kilogram

kg/m³ Kilograms per Cubic Metre

Ib Pound

LC50 LC stands for lethal concentration. LC50 is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours. **LD50** LD stands for Lethal Dose. LD50 is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.

Itr or L Litre

m³ Cubic Metre

mbar Millibar

mg Milligram

mg/24H Milligrams per 24 Hours mg/kg Milligrams per Kilogram mg/m³ Milligrams per Cubic Metre

Misc or **Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.

mm Millimetre

mmH2O Millimetres of Water mPa.s Millipascals per Second

N/A Not Applicable



NIOSH National Institute for Occupational Safety and Health **NOHSC** National Occupational Heath and Safety Commission

OECD Organisation for Economic Co-operation and Development Oz Ounce

PEL Permissible Exposure Limit

Pa Pascal

ppb Parts per Billion ppm Parts per Million

ppm/2h Parts per Million per 2 Hours ppm/6h Parts per Million per 6 Hours psi Pounds per Square Inch

R Rankine

RCP Reciprocal Calculation Procedure

STEL Short Term Exposure Limit

TLV Threshold Limit Value

tne Tonne

TWA Time Weighted Average ug/24H Micrograms per 24 Hours

UN United Nations

wt Weight

