

1. IDENTIFICATION

Product Name Sol Vinyl Resin

Other Names LC-13-1; UM50; Vinyl Chloride/Vinyl Acetate Terpolymer Resin

Uses Industrial use; Gravure ink, binder for paint, adhesives, lacquer.

Chemical Family No Data Available
Chemical Formula (C4H6O2.C2H3Cl)x

Chemical Name Vinyl chloride, vinyl acetate copolymer

Product Description No Data Available

Contact Details of the Supplier of this Safety Data Sheet

 Organisation
 Location
 Telephone

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40400 Shah Alam Sengalor, Malaysia

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 +64-4-9179888 Chemcall Malaysia Chemcall New Zealand 0800-243622 +64-4-9179888 National Poisons Centre New Zealand 0800-764766

CHEMTREC USA & Canada 1-800-424-9300 CN723420

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2. HAZARD IDENTIFICATION

Poisons Schedule (Aust) Not Scheduled



Globally Harmonised System

Hazard Classification NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of

Chemicals (GHS)

Signal Word None

National Transport Commission (Australia)

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

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

by Road & Rail (ADG Code)

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Vinyl chloride, vinyl acetate copolymer	(C4H6O2.C2H3CI)x	9003-22-9	<=100 %

4. FIRST AID MEASURES

Description of necessary measures according to routes of exposure

Swallowed IF SWALLOWED: Rinse mouth. Get medical advice/attention if you feel unwell.

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 rinsing for at least 15 minutes. If eye

irritation persists, get medical advice/attention.

Skin IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash before reuse. If skin irritation

occurs, get medical advice/attention.

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

persist, get medical advice/attention.

Advice to Doctor Treat symptomatically.

Medical Conditions Aggravated by No information available.

Exposure

5. FIRE FIGHTING MEASURES

General Measures If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out.

Flammability Conditions May burn but does not ignite readily.

Extinguishing MediaUse dry chemical, Carbon dioxide (CO2), foam or water spray for extinction - Do not use water jet.

Fire and Explosion Hazard Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a

potential dust explosion hazard.

Hazardous Products of

Combustion

Fire may produce irritating, toxic and/or corrosive fumes, including Hydrogen chloride.

Special Fire Fighting Instructions Contain runoff from fire control or dilution water - Runoff may pollute waterways.

Personal Protective Equipment Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may

provide limited protection.

Flash Point No Data Available

Lower Explosion Limit 60 g/m³

Upper Explosion Limit No Data Available

Auto Ignition Temperature >=385 °C

Hazchem Code No Data Available

6. ACCIDENTAL RELEASE MEASURES

General Response Procedure Ensure adequate ventilation. ELIMINATE all ignition sources (if dust clouds can occur). Do not touch or walk through

spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.

Clean Up Procedures Take up mechanically and dispose of according to local/state/federal regulations (see SECTION 13). Avoid dispersal of

dust in the air. Non-sparking tools should be used.

Containment Stop leak if safe to do so – Prevent entry into waterways, drains or confined areas. Prevent dust cloud. Cover any spilled

material to prevent dispersal by wind.

Decontamination No information available.

Environmental Precautionary

Measures

Prevent entry into drains and waterways.

Evacuation Criteria Spill or leak area should be isolated immediately. Keep unauthorised personnel away.

7. HANDLING AND STORAGE

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

adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8). WARNING: May form combustible dust concentrations in air (during processing). Keep away from heat, hot surfaces, sparks, open flames and other ignition sources - No smoking. Take precautionary

measures against static discharge.

Storage Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed. Keep away from heat,

hot surfaces, sparks, open flames and other ignition sources - No smoking. Keep away from foodstuffs and incompatible

materials (see SECTION 10).

Container Keep in the original container.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

General No specific exposure standards are available for this product. For dusts from solid substances without specific

occupational exposure standards:

- Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m3 (measured as inhalable dust).
 - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m3; TWA = 3 mg/m3 (respirable dust).

COMPONENT: Vinyl acetate (CAS No. 108-05-4):

- Safe Work Australia Exposure Standard: TWA = 10 ppm (35 mg/m3); STEL = 20 ppm (70 mg/m3).

Exposure Limits No Data Available

Biological Limits No information available.

Engineering Measures 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: Dust mask/particulate filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Tight fitting protective goggles.
- Hand protection: Handle with gloves. Recommended: Rubber gloves.
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Lab coat.

Special Hazards Precaustions

No information available.

Work Hygienic Practices Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the

toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Routine housekeeping

should be instituted to ensure that dusts do not accumulate on surfaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical StateSolidAppearancePowderOdourOdourlessColourWhite

pH No Data Available
Vapour Pressure No Data Available
Relative Vapour Density No Data Available
Boiling Point No Data Available
Melting Point No Data Available
Freezing Point No Data Available

Solubility Virtually insoluble in water

Specific Gravity 1.31 (Water = 1)
Flash Point No Data Available

Auto Ignition Temp >=385 °C

Evaporation Rate No Data Available

Bulk Density approx. 600 - 700 kg/m3

Corrosion Rate No Data Available

Decomposition Temperature >=100 °C **Density** 1.31 g/cm3

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 Viscosity No Data Available **Volatile Percent** No Data Available **VOC Volume** No Data Available

Additional Characteristics No information available.

Potential for Dust Explosion Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a

potential dust explosion hazard.

Fast or Intensely Burning

Characteristics

No information available.

Flame Propagation or Burning

Rate of Solid Materials

No information available.

Non-Flammables That Could Contribute Unusual Hazards to a No information available.

Fire

Properties That May Initiate or Contribute to Fire Intensity

May burn but does not ignite readily.

Reactions That Release Gases or

Vapours

Fire/decomposition may produce irritating, toxic and/or corrosive fumes, including Hydrogen chloride.

Release of Invisible Flammable

Vapours and Gases

No information available.

10. STABILITY AND REACTIVITY

General Information If stored and handled in accordance with standard industrial practices, no hazardous reactions are known.

Chemical Stability Stable, if stored and handled properly.

Conditions to Avoid Avoid generating dust. Keep away from heat, hot surfaces, sparks, open flames and other ignition source. Take

precautionary measures against static discharge.

Materials to Avoid Incompatible/reactive with strong oxidising agents.

Hazardous Decomposition

Products

 $Fire/decomposition\ may\ produce\ irritating,\ toxic\ and/or\ corrosive\ fumes,\ including\ Hydrogen\ chloride.$

Hazardous Polymerisation No information available.

11. TOXICOLOGICAL INFORMATION

General Information Information on possible routes of exposure:

- Ingestion: For this endpoint, no toxicological test data is available for the whole product.
- Eye contact: For this endpoint, no toxicological test data is available for the whole product.
- Skin contact: For this endpoint, no toxicological test data is available for the whole product.
- Inhalation: For this endpoint, no toxicological test data is available for the whole product. Chronic effects: For this endpoint, no toxicological test data is available for the whole product.
- * Due to its physical properties, may cause mechanical irritation.

Carcinogen Category None

12. ECOLOGICAL INFORMATION

Ecotoxicity No expected damaging effects to aquatic organisms.

Persistence/Degradability Biologically not degradable (Polymer component).

*Elimination by adsorption to activated sludge.

Mobility Insoluble in water.

Environmental Fate According to present knowledge, no adverse influence to environment expected.

Bioaccumulation Potential No information available.

Environmental Impact No Data Available

13. DISPOSAL CONSIDERATIONS

General Information Dispose of waste and residues in accordance with local authority requirements. Disposal of waste material and empty

containers must be by means of a licensed waste contractor.

Special Precautions for Land Fill Do not dispose to landfill or in watercourses.

14. TRANSPORT INFORMATION

Land Transport (Australia)

ADG Code

Proper Shipping Name
Class
No Data Available
Subsidiary Risk(s)
No Data Available
No Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (Malaysia)

ADR Code

Proper Shipping NameSol Vinyl ResinClassNo Data AvailableSubsidiary Risk(s)No Data AvailableNo Data Available

UN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (New Zealand)

NZS5433

Proper Shipping Name Sol Vinyl Resin
Class No Data Available
Subsidiary Risk(s) No Data Available
No Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Land Transport (United States of America)

US DOT

Proper Shipping NameSol Vinyl ResinClassNo Data AvailableSubsidiary Risk(s)No Data Available

No Data Available

UN Number No Data Available
Hazchem No Data Available
Pack Group No Data Available
Special Provision No Data Available

Comments NON-DANGEROUS GOODS: Not regulated for LAND transport.

Sea Transport

IMDG Code

Proper Shipping Name Sol Vinyl Resin Class No Data Available Subsidiary Risk(s) No Data Available **UN Number** No Data Available Hazchem No Data Available No Data Available **Pack Group Special Provision** No Data Available **EMS** No Data Available

Marine Pollutant No

Comments NON-DANGEROUS GOODS: Not regulated for SEA transport.

Air Transport

IATA DGR

Proper Shipping NameSol Vinyl ResinClassNo Data AvailableSubsidiary Risk(s)No Data AvailableUN NumberNo Data AvailableHazchemNo Data AvailablePack GroupNo Data AvailableSpecial ProvisionNo Data Available

Comments NON-DANGEROUS GOODS: Not regulated for AIR transport.

National Transport Commission (Australia)

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

Dangerous Goods Classification NOT 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 Information No Data Available

Poisons Schedule (Aust) Not Scheduled

Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

Approval Code Not Assessed

National/Regional Inventories

Australia (AIIC) Listed

Canada (DSL) Listed

Canada (NDSL) Not Determined

China (IECSC) Not Determined

Europe (EINECS) Listed

Europe (REACh) Not Determined

Japan (ENCS/METI) Not Determined

Korea (KECI) Listed

Malaysia (EHS Register) Not Determined

New Zealand (NZIoC) Not Determined

Philippines (PICCS) Listed

Switzerland (Giftliste 1) Not Determined

Switzerland (Inventory of Notified

Substances)

Not Determined

Taiwan (NCSR) Not Determined

USA (TSCA) Listed

16. OTHER INFORMATION

Related Product Codes UCSOVI1310, UCSOVI1600

Revision 2

Revision Date01 Jan 2019Reason for IssueNew SDSKey/Legend< Less Than</th>

> Greater Than

AICS Australian Inventory of Chemical Substances

 ${\bf atm} \ {\bf Atmosphere}$

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

inH20 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

mmH20 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