



Material Safety Data Sheet (MSDS)

SECTION 1.

Product and Company Identification

Product Name	CuLV2212L
Use	Mineral solvent for copper extraction.
Distributor/Agent	7D Holdings SA (Pty) Ltd
Address	Unit E26, U Can Store Storage 30 Elandclose Alberton,1449 Johannesburg, RSA
Telephone Number	+27 (0)11 057 6755
Fax Number	+27 (0)86 733 8598
Email	info@7dholdings.com / sales@7dholdings.com
Country of Manufacture	South Africa

SECTION 2. HAZARD IDENTIFICATION

2.1 Classification of the substances or mixture:

SANS 10234:2019, Regulation EC 1272/2008 [EU-GHS/CLP]
Hazard classes/Hazard categories: Hazard statement
Carcinogenicity (Category 1B): H350

2.2 Label elements:

Hazard pictograms:



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Signal Word: DANGER

Hazard Statements: H350 May cause cancer.

Precautionary Statements: P201 Obtain special instruction before use. P202 Do not handle until all safety precautions have been read and understood. P260 Do not breathe mist/ vapours or spray. P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P280 Wear protective gloves/ eye protection. P301 + P312 IF SWALLOWED: Call a POISON CENTRE or doctor/ physician if you feel unwell. 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 contact lenses, if present and easy to do. Continue rinsing. P312 Call a POISON CENTRE/doctor if you feel unwell.

Special labelling of certain mixtures: None

Other hazards: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher. Officially recognised in the EU as Carcinogenic (Harmonised C&L).

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substance/Mixture: Mixture

Substance name (IUPAC/EC)	CAS-No.	Concentration% by weight	Classification
	EC-No.		EC1272/2008
Distillates (petroleum), hydrodesulphurised middle	64742-80-9 265-183-3	100%	Carcinogenicity (Category 1B)H350.

SECTION 4. FIRST AID MEASURES

4.1 Description of first aid measures:

In case of inhalation: If breathed in, move person into fresh air. If not breathing, give artificial respiration. In case of discomfort seek medical attention.

In case of skin contact: Wash off immediately with soap and plenty of water. If skin irritation persists, seek medical attention.

In case of eye contact: Flush eyes thoroughly with water for several minutes. Remove contact lenses after the initial 1-2 minutes and continue flushing for several additional minutes. Seek Medical attention immediately.

In case of ingestion: If swallowed, seek medical advice immediately and show this container or label. Do NOT induce vomiting. Prevent vomiting if possible. If a person vomits when lying on his back, place him in the recovery position. Never give anything by mouth to an unconscious person.



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4.2 Most important symptoms and effects, both acute and delayed:

Inhalation: May cause respiratory irritation.

Ingestions: May be harmful if swallowed.

Skin contact: May cause skin irritation.

Eye contact: May cause eye irritation.

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

Treat symptomatically.

SECTION 5. FIRE-FIGHTING MEASURE

5.1 Extinguisher media:

Suitable extinguisher media: Use an extinguishing agent suitable for the surrounding fire: use water spray, foam, dry powder or carbon dioxide (CO₂).

Unsuitable extinguishing media: Water spray can be used for larger fires or cooling of unaffected stock but avoid the accumulation of polluted run-off from the site.

5.2 Special hazards arising from the mixture:

Carbon oxides.

5.3 Advice for fire-fighters:

Evacuate area and contact emergency services. Remain upwind and notify those downwind of hazard.

Wear full protective equipment including Self Contained Breathing Apparatus (SCBA) when combating fire.

5.4 Further information:

None.

SECTION 6. ACCIDENTAL RELEASE

6.1 Personal precautions, protective equipment and emergency procedures:

Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Avoid breathing vapours. Ensure adequate ventilation. Evacuate personnel to safe areas.

For non-emergency personnel: No action shall be taken involving any personal risk or without suitable training. Isolate area. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk-through spilt material. Avoid breathing vapour/mist. Provide adequate ventilation.

For emergency responders: Isolate area. Keep unnecessary and unprotected personnel from entering the area. Avoid inhalation and contact with skin. Refer to Section 7, Handling, for additional precautionary measures. Use appropriate safety equipment. For additional information, refer to Section 8, Exposure Controls and Personal Protection.

6.2 Environmental precautions:

Cover drains. Prevent from entering soil, ditches, sewers, waterways and/or groundwater.

6.3 Methods for containment and cleaning up:

Stop leak if you can do so without risk. Move the containers to a safe and open area if the leak is irreparable.



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For small spills: Collect in suitable and properly labelled containers. Collect, bind using absorbent material such as, sand, diatomite or universal binders. Take up dry. Clean up affected area. Dispose and or manage in accordance with the requirements contained in R634 Waste

Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

For large spills: Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dike area, bind using absorbent material such as, sand, diatomite or universal binders. Take up dry. Clean up affected area. Dispose and or manage in accordance with the requirements contained in R634 Waste Classification & Management Regulations, R635 National Norms & Standards for the Assessment of Waste for Landfill Disposal and R636 National Norms & Standards for Disposal of Waste to Landfill.

6.4 Reference to other sections:

See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

SECTION 7. HANDLING AND STORAGE

7.1 Precautions for safe handling:

Avoid prolonged contact with product. Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas.

7.2 Conditions for safe storage, including incompatibilities:

Store product in a cool, dry, well-ventilated area, removed from incompatible substances.

7.3 Specific end uses:

Use as directed.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters:

Occupational exposure limits (OEL): There are no Occupational Exposure limits allocated.

Biological exposure indices (BEI): There are no Biological Exposure limits allocated.

8.2 Exposure control:

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday. A Risk Assessment should be conducted before handling is to commence to determine specific exposure control.

Appropriate engineering controls: A system of local and/or general exhaust is recommended where employee exposures are at or above Occupational Exposure Limits (OEL).

Individual protection measures, such as personal protective equipment:

Hygiene measures: Wash hands, forearms and face thoroughly after handling material, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection: Use safety glasses with sides shields. If there is a potential for exposure to mist or vapours which could cause eye discomfort, wear chemical goggles.



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Hand protection: Use gloves suitable for permanent contact for example-butyl-rubber with a break through time of 4 h, material thickness 0.5 mm. Gloves must be inspected prior to use.

Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use.

Body protection: Wear appropriate clothing for task or operation. Keep working clothes separately.

Respiratory protection: Respiratory protection is required when ventilation is inadequate, or discomfort is experienced; use an approved air-purifying respirator. If a Risk Assessment indicates respirators are appropriate use respirators and components tested and approved under appropriate government standards.

Environmental exposure controls: During large spills prevent product from entry into sewers and water courses.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties:

Appearance (form)	Clear liquid.
Odour	Hydrocarbon.
Odour threshold	No information available.
pH (at concentration)	Not applicable.
Melting point/freezing point	Not applicable.
Initial boiling point and range	190-2500(
Flash point (oC)	80oC
Evaporation rate	No information available.
Flammability (solid, gas)	No information available.
Ignition temperature (oC)	No information available.
Upper/lower flammability/explosive limits	Upper explosion limit: No information available. Lower explosion limit: No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Specific gravity@20oC	0.81 g/cm ³
Water solubility	Insoluble, immiscible.
Partition coefficient n-octanol/water:	No information available.
Auto-ignition temperature	No information available.
Decomposition temperature	No information available.
Viscosity @ 25oC	No information available.
Explosive properties	None.
Oxidising properties	None.

9.2 Other information:

Fat solubility (solvent-oil to be specified):	No information available.
Bulk density	No information available.
Dissociation constant in water (p Ka):	No information available.
Oxidation-reduction potential	No information available.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity:

Stable under normal conditions.



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10.2 Chemical stability:

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions:

Hazardous polymerization is not expected to occur.

10.4 Conditions to avoid:

None known.

10.5 Incompatible materials:

Strong acids and oxidizing agents

10.6 Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions-carbon oxides.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects:

Acute toxicity: No information available.

Skin corrosion/irritation: No information available.

Serious eye damage/irritation: No information available.

Respiratory or skin sensitization: No information available.

Germ cell mutagenicity: No information available.

Carcinogenicity: No information available.

Reproductive toxicity: No information available.

STOT-single exposure: No information available.

STOT-repeated exposure: No information available.

Aspiration hazard: No information available.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity:

No information available.

12.2 Persistence and degradability:

No information available.

12.3 Bioaccumulative potential:

No information available.

12.4 Mobility in soil:

No information available.

12.5 Results of PBT & vPvB assessment:

No information available.

12.6 Other adverse effects:

No information available.



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SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods:

Consider suitable waste recycling, re-use or recovery options. Dispose of in accordance with municipal, provincial and national regulations. No mixing with other waste.

SECTION 14. TRANSPORT INFORMATION

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO/IATA)
UN-Number	Not regulated	Not regulated	Not regulated
UN Proper shipping name:	Not regulated	Not regulated	Not regulated
Transport hazard class:	Not regulated	Not regulated	Not regulated
Packaging group:	Not regulated	Not regulated	Not regulated
Marine pollutant:	No	No	No
Special precautions for user:	No information	No information	No information
Transport in bulk according to MARPOL 73/78 Annex II and the IBC code	No information	No information	No information

SECTION 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation for the mixture:

Relevant information regarding authorization: Occupational Health and Safety Act 1993.Regulation for Hazardous Chemical Agents, 2021.UN Recommendations on the Transport of Dangerous Goods Model Regulations Rev. 21 (2019), Globally Harmonized System of Classification and Labelling of Chemicals (GHS) Rev 8, 2019.

ACGIH: American Conference of Governmental Industrial Hygienists (ACGIH).

Relevant information regarding restrictions: None known.

EU regulations: Regulation EC 1272/2008 [EU-GHS/CLP)

Other National regulations: National Road Traffic Act, 1996 (ACT NO. 93 of 1996). National Environmental Management: Waste Act 59 of 2008.

15.2 Chemical Safety Assessment carried out? No

SECTION 16. OTHER INFORMATION

16.1 Indication of changes:

None first version.

16.2 Relevant classification and H statements (number and full text):

H350 May cause cancer.

16.3 Training instructions:

Use as indicated on the label, special training may be required for application.



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16.4 Further information:

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.

16.5 Notice to readers:

Employers should use this information only as a supplement to other information gathered by them and should make independent judgement of suitability of this information to ensure proper use and protect the health and safety of employees.

This information is furnished without warranty, and any use of the product not in conformance with this Safety Data Sheet, or in combination with any other product or process, is the responsibility of the user.