

SAFETY DATA SHEET

1: IDENTIFICATION

Product Identifier

Product Name **CEMTEC 31R** (Water based concrete Additive)

Chemical Name Ligno sulphonates

Details of the supplier of the safety data sheet

Supplier CONSTRUCTION MATERIAL CHEMICAL INDUSTRIES
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2. INGREDIENTS

Mixture

Material	CAS#	%
Water	7732-18-5	60-70
Sodium Lignosulfonate	8061-51-6	25-35
Molasses	68476-78-8	0-8

Composition Comments : The components are not hazardous or are below required disclosure limits

3. HAZARDS IDENTIFICATION

Hazard Classification Not classified

Label Elements

Hazard Symbol : No symbol
 Signal Word : No signal word.
 Hazard Statement : not applicable
 Precautionary Statements : not applicable
 Hazard(s) not otherwise classified (HNOC): None



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4. FIRST AID MEASURES

Ingestion	:	Rinse mouth thoroughly.
Inhalation	:	Move to fresh air.
Skin Contact	:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.

Eye contact : Rinse immediately with plenty of water.

Most important symptoms/effects, acute and delayed

Symptoms : May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment : Get medical attention if symptoms occur.

5. FIRE-FIGHTING MEASURES

General Fire Hazards : No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Use fire-extinguishing media appropriate for surrounding materials

Unsuitable extinguishing media : Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:	No data available.
Methods and material for containment and cleaning up:	Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for
Notification Procedures:	In the event of a spill or accidental release, notify relevant authorities in with all applicable regulations
Environmental Precautions:	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

7. HANDLING AND STORAGE

Precautions for safe handling:	Provide adequate ventilation. Wear appropriate personal Protective equipment. Observe good industrial hygiene practices. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
Conditions for safe storage, including any incompatibilities:	Store away from incompatible materials. Store in original tightly closed container

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Control Parameters Occupational Exposure Limits	None of the components have assigned exposure limits. None of the components have assigned exposure limits.
Appropriate Engineering Controls	Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required.
Eye/face protection:	Wear goggles/face shield.

Skin Protection

Hand Protection: Use suitable protective gloves if risk of skin contact.

Other: No data available.

Respiratory Protection: In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.

Hygiene measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	:	liquid
Physical state	:	liquid
Form	:	liquid
Color	:	Brown
Odor	:	Mild
Odor threshold	:	No data available.
pH	:	4.0 - 7.0
Melting point/freezing point	:	No data available.
Initial boiling point and boiling range	:	No data available.
Flash Point	:	No data available.
Evaporation rate	:	Slower than Ether
Flammability (solid, gas)	:	No

Upper/lower limit on flammability or explosive limits

Flammability limit - upper (%)	:	No data available.
Flammability limit - lower (%)	:	No data available.
Explosive limit - upper (%)	:	No data available.
Explosive limit - lower (%)	:	No data available.
Vapor pressure	:	No data available.
Vapor density	:	Vapors are heavier than air and may travel along the floor and in the bottom of containers.
Relative density	:	1.15 ±0.02
Solubility(ies)	:	
Solubility in water	:	Soluble
Solubility (other)	:	No data available.
Partition coefficient (n-octanol/water)	:	No data available.
Auto-ignition temperature	:	No data available.
Decomposition temperature	:	No data available.
Viscosity	:	No data available.

10. STABILITY AND REACTIVITY

Reactivity	:	No data available.
Chemical Stability	:	Material is stable under normal conditions.
Possibility of hazardous reactions:	:	No data available.
Conditions to avoid	:	Avoid heat or contamination.
Incompatible Materials	:	Strong acids. Strong bases.
Hazardous Decomposition Products:	:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Inhalation:	In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes
Skin Contact:	Moderately irritating to skin with prolonged exposure.
Eye contact:	Eye contact is possible and should be avoided.
Ingestion:	May be ingested by accident. Ingestion may cause irritation and malaise.

Symptoms related to the physical, chemical and toxicological characteristics

Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.

Information on toxicological effects

Acute toxicity (list all possible routes of exposure)

Oral Product:	Not classified for acute toxicity based on available data.
Dermal Product:	Not classified for acute toxicity based on available data.

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Inhalation

Product:

Repeated dose toxicity

Product:

No data available.

Skin Corrosion/Irritation

Product:

No data available.

Serious Eye Damage/Eye Irritation

Product:

No data available.

Respiratory or Skin Sensitization

Product:

No data available.

Carcinogenicity

Product:

No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro

Product:

No data available.

In vivo

Product:

No data available.

Reproductive toxicity

Product:

No data available.

Specific Target Organ Toxicity - Single Exposure

Product:

No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product:

No data available.

Aspiration Hazard

Product:

No data available.

Other effects:

No data available

12. ECOLOGICAL INFORMATION

Ecotoxicity:

Acute hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Chronic hazards to the aquatic environment:

Fish
Product: No data available.

Aquatic Invertebrates
Product: No data available.

Toxicity to Aquatic Plants
Product: No data available.

Persistence and Degradability

Biodegradation
Product: No data available.

BOD/COD Ratio
Product: No data available.

Bioaccumulative potential
Bioconcentration Factor (BCF)
Product: No data available.

Partition Coefficient n-octanol / water (log Kow)
Product: No data available.

Mobility in soil: No data available.

Other adverse effects: No data available

13. DISPOSAL CONSIDERATIONS

Disposal instructions:	Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Contaminated Packaging:	No data available.

14. TRANSPORT INFORMATION Transport/further information

TDG:
Not Regulated

CFR / DOT:
Not Regulated

IMDG:
Not Regulated

15. REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture

Standard for the Uniform Scheduling of Medicines and Poisons

: No poison schedule number allocated

International Chemical weapons Convention (CWC) Schedules of Toxic Chemicals and precursors

: Not applicable

Prohibitions/Licensing Requirements

: There is no applicable prohibition or notification/licensing requirements, including for carcinogens under commonwealth, state or territory legislation

16. OTHER INFORMATION

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of these data or the results to be obtained from the use thereof.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet.

Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in his use of the material.



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