



SAFETY DATA SHEET

Form no. 1903-100-00078, rev 1, issued date : May 16, 2025

1. IDENTIFICATION

Product Name

Product Trade Name : Arbecel PAC-LV

Other Names

Synonyms : Carboxymethyl Cellulose
Sodium Carboxymethyl Cellulose

Recommended Use

Recommended Use : In water-based drilling fluids for filtration control or fluid loss control and shale inhibition.

Uses advised against : No information available

Company Name, Address and Contact

Manufacturer/Supplier : PT. ARBE CHEMINDO
Jl. Jababeka V Kav H2 Kawasan Industri, Jababeka, Cikarang,
Bekasi – Jawa Barat, 17530.

E-mail Address : info@arbecchem.com

Emergency Telephone Number : 021 – 8934311 / 8934312 ext. 132

2. HAZARDS IDENTIFICATION

Product Hazard Classification : Non-hazardous

Hazard and Precautionary Statements

Hazard Pictograms	-
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Signal Word : Dust can form an explosive mixture in air

Hazard Statements : Not Hazardous

Precautionary Statements

Prevention : None

Response : None

Storage : None

Disposal : None

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Other Hazards

This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

This substance is not considered to be very persistent nor very bioaccumulating (vPvB).

3. COMPOSITION/INFORMATION ON INGREDIENTS
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Substances	CAS Number	Percent (%w/w, dry basis)
Carboxymethyl Cellulose	9004-32-4	96% min.

4. FIRST AID MEASURES

Requirements for First Aid or Medical

Inhalation	: If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Eyes	: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Skin	: Wash with soap and water. Get medical attention if irritation persists.
Ingestion	: Under normal conditions, first aid procedures are not required.

Workplace Facilities Required

: none

Relation to Health Effect

Most Important Symptoms/Effects : No significant hazards expected.

Medical Attention and Special Treatment

Notes to Physician : Treat symptomatically

5. FIRE-FIGHTING MEASURES

Type of Hazard

Flammability Hazard : Combustible dust when in finely divided and highly suspended state.

Extinguishing media

Suitable Extinguishing Media : Water fog, carbon dioxide, foam, dry chemical.

Extinguishing media which must not be used for safety reasons : None known.

HAZCHEM Code

Hazchem Code : None Allocated

Special Protective Equipment and Precautions for Fire Fighters

Special protective equipment for Firefighters : Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

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Special exposure hazards in a fire : Organic dust in the presence of an ignition source can be explosive in high concentrations. Good housekeeping practices are required to minimize this potential.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

: Use appropriate protective equipment. Avoid creating and breathing dust. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. See Section 8 for additional information.

Environmental precautions

: Prevent from entering sewers, waterways, or low areas.

Methods and material for containment and cleaning up

: Scoop up and remove.

Reference to other sections

: See Section 8 and 13 for additional information.

7. HANDLING AND STORAGE

Precautions for safe handling

Handling Precautions

: Avoid creating or inhaling dust. Avoid dust accumulations. Slippery when wet. Avoid contact with eyes, skin, or clothing. Wash hands after use. Launder contaminated clothing before reuse. Use appropriate protective equipment.

Handling practices

Hygiene Measures

: Handle in accordance with good industrial hygiene and safety practice.

Approved Handlers

: This product does NOT require an approved handler.

Conditions safe storage, including any Incompatibilities

: Store away from oxidizers. Store in a dry location (avoid direct sunlight and rain). Product has a shelf life of 24 months.

Store Site Requirements

: No special controls required

Packaging

: Packaging of palletized goods safeguards the safe handling, transport, storage, identification, and minimizes damages and spillage.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Workplace Exposure Standards Exposure Limit

: This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

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<u>Engineering controls</u>	: If engineering controls and work practices cannot prevent excessive exposures, the selection and proper use of personal protective equipment should be determined by an industrial hygienist or other qualified professional based on the specific application of this product.
<u>Respiratory Protection</u>	: Not normally needed. But if significant exposures are possible then the following respirator is recommended : Dust/mist respirator.
<u>Hand Protection</u>	: Normal work gloves.
<u>Skin Protection</u>	: Normal work coveralls.
<u>Eye Protection</u>	: Wear safety glasses or goggles to protect against exposure.
<u>Other Precautions</u>	: No data available
<u>Hygiene Measures</u>	: Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES
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Information on basic physical and chemical properties

Physical State	: Solid granular
Colour	: White to yellowish
Odor	: Odourless
Odor Threshold	: No information available
pH (in 1% solution)	: 7 - 10
Freezing Point / Range	: No data available
Melting Point / Range	: No data available
Pour Point / Range	: No data available
Boiling Point / Range	: No data available
Flash Point	: 221 °C / 430 °F
Evaporation rate	: No data available
Vapor Pressure	: No data available
Vapor Density	: No data available
Specific Gravity	: No data available
Water Solubility	: Soluble in water
Solubility in other solvents	: Not soluble in ethanol, acetone, and others solvents
Partition coefficient: n-octanol/water	: No data available
Autoignition Temperature	: 400 °C / 752 °F
Decomposition Temperature	: No data available
Viscosity (in 2% solution)	: 250 cps max.
Explosive Properties	: No data available
Oxidizing Properties	: No data available
<u>Other Information</u>	: No data available

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10. STABILITY AND REACTIVITY

<u>Chemical stability</u>	: Stable under recommended storage conditions
<u>Conditions to avoid</u>	: Incompatible products
<u>Incompatible materials</u>	: Strong oxidizers.
<u>Hazardous decomposition products</u>	: No data available
<u>Hazardous Reactions hazardous polymerization</u>	: No data available

11. TOXICOLOGICAL INFORMATION

<u>Acute toxicity</u>	
<i>LC50</i>	: <i>215.848,40 mg/L</i>
<u>Potential Health Effects</u>	
Inhalation	: May cause mild respiratory irritation
Eyes	: May cause mechanical irritation to eye
Skin	: Non-irritating to the skin
Ingestion	: No data available
<u>Signs & Symptoms</u>	: No data available
<u>Aggravated Medica Conditions</u>	: No data available
<u>Carcinogen</u>	: Not carcinogen
<u>Additional Information</u>	: No data available

12. ECOLOGICAL INFORMATION

<u>Product Ecotoxicity Data</u>	: No data available
<u>Persistence and Degradability</u>	: No data available
<u>Bioaccumulation</u>	: No data available
<u>Other adverse effects</u>	: No data available
<u>Mobility in Soil</u>	: No data available

13. DISPOSAL CONSIDERATIONS

<u>Waste Treatment Methods</u>	
Disposal methods	: Bury in a licensed landfill according to federal, state, and local regulations

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Contaminated Packaging : Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

DOT : Not dangerous goods

IMDG : Not dangerous goods

IATA : Not dangerous goods

15. REGULATORY INFORMATION

Attachment 1 of PP RI no. 74 in 2001
List of Hazardous and Toxic Materials (B3) : Not on that list or Non-hazardous

UU RI no. 18 in 2008
(Waste Treatment Regulation) : Non-hazardous

Approved Handlers : Not Applicable

Poisons Schedule : None Allocated

16. OTHERS INFORMATION

Additional information : For additional information on the use of this product, contact PT. ARBE Chemindo

For questions about the Safety Data Sheet for this or other products, contact PT. ARBE Chemindo.

Key or legend to abbreviations and acronyms used in the safety data sheet

CAS – Chemical Abstracts Service
LC50 – Lethal Concentration 50%
LL50 – Lethal Loading 50%
mg/kg – milligram/kilogram
mg/L – milligram/litre
ppm – parts per million

Registration document in PT Arbe Chemindo

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Form

QA/QC/RnD Dept.

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REVISION HISTORY

REVISION DATE	DESCRIPTION	SECTION AFFECTED	PREPARED / REVISED BY	CHECKED & APPROVED BY
September 07, 2023	Rev 0, <i>New Form</i>	PPIM, Marketing and QA/QC	Samiah Hanani	Zul Hendri
May 16, 2025	Rev.1, additional and replacing LD50 to LC50	PPIM, Marketing and QA/QC	Kamilah	Deny Baktia

Prepared By :	Checked & Approved by :
Kamilah	Deny Baktia
QA/MS Staff	QA/QC/R&D Manager

