



Revised: November 17th, 2016
First issue: October 1, 1999
NL-50 (ABR), SDS/BR_E-1.1

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY / UNDERTAKING

COMMERCIAL NAME: **AJIDEW® NL-50 / AJIDEW® NL-50N**
CHEMICAL NAME OR GENERIC NAME: Sodium L-Pyrrolidonecarboxylate
EINECS NO. : 249-277-1
REACH REGISTRATION NOTES: Registered
CAS REGISTRY NO. : 28874-51-3
GENERAL USE: Ingredient for cosmetics and toiletries

MANUFACTURER:

COMPANY NAME: AJINOMOTO DO BRASIL INDÚSTRIA E COMÉRCIO DE ALIMENTOS LTDA.
ADDRESS: Rodovia Anhanguera, Km 131 – Bairro do Jaguari – Limeira – SP – Brazil CEP 13480-970
TEL (International): xx-55 - (19) 3404-9000
FAX (International): xx-55 -(19) 3404-9103

EMERGENCY TELEPHONE NUMBER:

AJINOMOTO DO BRASIL INDÚSTRIA E COMÉRCIO DE ALIMENTOS LTDA.
TEL (International): xx-55 - (11) 5080-6700
FAX (International): xx-55 - (11) 5080-6789
E-mail: amino@br.ajinomoto.com

2. HAZARDS IDENTIFICATION

GHS Classification: Not Classified

LABEL ELEMENTS

HAZARD PICTOGRAM: No symbol
SIGNAL WORD: No signal word
HAZARD STATEMENT: No hazard statement
PRECAUTIONARY STATEMENT: No precautionary statement

POTENTIAL HEALTH EFFECTS:

PRIMARY ROUTE OF EXPOSURE

INHALATION: May cause irritation of the nose, throat with cough, difficulty breathing or shortness of breath.
EYE: May cause eye irritation, tearing, or blurred vision.
SKIN: May cause skin irritation with itch or erythema.
INGESTION: Considered to be non-toxic by animal tests.

ENVIRONMENTAL EFFECTS: No information

PHYSICAL & CHEMICAL HAZARDS: In general use, harmful effect is expected low

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME OR GENERIC NAME: Sodium L-Pyrrolidonecarboxylate
CONTENT: 48-52% aqueous solution.
CAS REGISTRY NO. : 28874-51-3
PCPC INCI NAME: Sodium PCA

4. FIRST AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.
SKIN CONTACT: Immediately flush skin with plenty of water.
INGESTION: Immediately rinse out the mouth with water.
NOTE TO PHYSICIANS: Treat symptomatically.

5. FIRE-FIGHTING MEASURES

FLAMMABLE PROPERTIES: Not flammable.
EXTINGUISHING MEDIA: Water, Carbon dioxide, or Foam.



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FIREFIGHTING INSTRUCTIONS:

Keep personnel removed from and upwind of fire. Wear full firefighting turnout gear (full bunker gear) and respiratory protection (self-contained breathing apparatus). Cool container with water spray.

6. ACCIDENTAL RELEASE MEASURES

INITIAL CONTAINMENT:

Dike spill. Prevent material from entering sewers, waterways, or low areas.

SPILL CLEAN UP:

Contain spilled liquid with sand or earth.

7. HANDLING AND STORAGE

HANDLING:

Place available equipments for face and body washing at the workplace.

Wear proper protective equipment to avoid contact with skin, eyes or clothes.

Avoid rough handling, dropping, falling, dragging or mechanical shock.

Take care not to leak, overflow or scatter. Take care of good personal hygiene after handling this material.

Remove early and entirely in case of overflow.

STORAGE:

Store the product at dark and cool places. Protect from light. Keep container tightly closed.

Use the product early after break the seal, for the possibility of microbial contamination.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS:

Place available equipments for face and body washing at the workplace and display it visibly.

Place the adequate exhaust ventilation for vapor generation.

Control Parameter:

Not established

PERSONAL PROTECTIVE EQUIPMENT:

Respiratory Protection: Wear effective dust-tight mask

Eye Protection: Wear protective eyeglasses or chemical safety goggles.

Hand, Skin and body Protection: Wear standard issue work cloths, safety shoes or boots – chemical resistant.

EXPOSURE GUIDELINES: Not established.

9. PHYSICAL AND CHEMICAL PROPERTIES

DESCRIPTION: Colorless to pale yellow transparent liquid characteristic odor

PHYSICAL STATE: Liquid (aqueous solution) (at room temperature)

VAPOR PRESSURE: Lower than water.

SOLUBILITY IN WATER: 100% (at room temperature)

pH: 6.8-7.4

DENSITY: 1.26 ~1.30g/cm³ (20°C)

10. STABILITY AND REACTIVITY

CHEMICAL STABILITY: Stable.

DECOMPOSITION TEMPERATURE: 350°C.

INCOMPATIBILITY WITH OTHER MATERIALS: Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Not known.

HAZARDOUS POLYMERIZATION: Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY (LD₅₀): 10.6 g/kg BW (95% Confidence limit: 9.59 - 11.80 g/Kg) (Mice)

PRIMARY SKIN IRRITATION: Non irritant (Draize test; 24-Hour Occlusive Application (40% solution), Rabbit)



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SKIN SENSITIZATION: Negative (Maximization test, Guinea pig)
 PRIMARY EYE IRRITATION: Nonirritating (Draize test (40% solution), Rabbit)
 MUTAGENICITY: BACTERIAL REVERSE MUTATION TEST
 S. typhimurium TA98, TA100; Negative

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL FATE: Not available.

§ Reference

'AJIDEW N-50 (Sodium dl-Pyrrolidonecarboxylate)' is biodegradable.
 28-day biodegradation study (OECD 301C Modified MITI (I)-1981): 74.4% degraded.

13. DISPOSAL CONSIDERATIONS

Comply with all federal, state and local regulations.
 Do not dump this material into sewers, on the ground or into any body of water.

14. TRANSPORT INFORMATION

International regulation: ICAO /IATA:	There is no special restriction during air transportation regarding this material.
UN Number, UN Category:	This material does not correspond to hazardous material defined in UN Warning.
IMDG:	There is no special restriction during sea transportation regarding this material.
Safety precautions during transportation:	Avoid direct sunlight.
	Confirm any damage and leaking of container before transportation. Prevent fall, or drop to avoid getting any damage of container. When on loading, be careful not to collapse cargo stacks.

15. REGULATORY INFORMATION

Please refer to the national and local regulations.

16. OTHER INFORMATION

This information is based on the knowledge of the material at the date: November 26th, 2013.
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