

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations
 Issue date: 10/5/2016 Revision date: 2/7/2025 Version: 6.0

SECTION 1: Identification

1.1. Identification

Product form : Substance
 Trade name : ARON NT-Z
 CAS-No. : Trade secret
 Synonyms : Acrylic copolymer sodium salt

1.2. Recommended use and restrictions on use

Use of the substance/mixture : For cosmetic use only.
 Use of the substance/mixture : Viscosity modifier.
 Restrictions on use : Please confirm the safety in advance by your company before use.
 Do not use it for implanting or injecting into the body, or for applications where a part of this product may remain in the body.

1.3. Supplier

Manufacturer

TOAGOSEI CO.,LTD.
 Address : 1-14-1, Nishi-shimbashi, Minato-ku, Tokyo, 105-8419 Japan
 T : +81-3-3597-7215 - F : +81-3-3597-7217
 Website : <https://www.toagosei.co.jp/>

Supplier

1.4. Emergency telephone number

| Country | Organization/Company | Address | Emergency number |
|---------|----------------------------------|------------------|---|
| JAPAN | Head Office / TOAGOSEI CO., LTD. | Minato-ku, Tokyo | +81-3-3597-7332 (9:00-17:00 (JAPAN)) |

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Not classified

2.2. GHS Label elements, including precautionary statements

GHS US labeling

No labeling applicable

2.3. Other hazards which do not result in classification

Additional notes :

- Avoid breathing dust.
- Wash hands, forearms and face thoroughly after handling.
- Wear protective gloves/protective clothing/eye protection/face protection/respiratory protection.
- IF ON SKIN: Remove contaminated clothing and wash with plenty of soap and water.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

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- Keep container tightly closed in a cool place.
- Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

Other hazards which do not result in classification : Dust explosion hazards. Risk of lung damage if inhaled in large quantities.

2.4. Unknown acute toxicity (GHS US)

- >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral)
- >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal)
- >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapor, Dust))

SECTION 3: Composition/Information on ingredients

3.1. Substances

Substance type : Polymer
Name : Acrylic copolymer sodium salt

| Name | Product identifier | % | GHS US classification |
|---------------------------------|-----------------------|-------|-----------------------|
| Acrylic copolymer sodium salt * | CAS-No.: Trade Secret | >= 95 | Not classified |
| Water (impurity) | CAS-No.: 7732-18-5 | < 5 | Not classified |

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

3.2. Mixtures

Not applicable

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures after inhalation : Get medical advice/attention if you feel unwell.
Remove to fresh air and keep at rest in a position comfortable for breathing.

First-aid measures after skin contact : Remove/Take off immediately all contaminated clothing. Wash with plenty of soap and water.
In case of skin irritation, consult a physician.

First-aid measures after eye contact : Do not rub. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
In case of eye irritation consult an ophthalmologist.

First-aid measures after ingestion : Rinse mouth. Do not induce vomiting. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Expected Symptoms/Effects, Acute and Delayed : :IF INHALED:May cause Cough, Sore throat, Dizziness, Somnolence, Headache, Nausea.
IF ON SKIN: May cause skin dryness, erythema (reddening), itch, rash.
IF IN EYES:May cause Erythema (Reddening), Pain.
IF SWALLOWED:May cause Burning sensation, Abdominal pain, Cough, Sore throat, Dizziness, Somnolence, Headache, Nausea.

Most Important Symptoms/Effects : No additional information available.

4.3. Immediate medical attention and special treatment, if necessary

Treat according to symptoms (decontamination, vital functions).

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Excess water, Dry extinguishing powder, Carbon dioxide (CO2).

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Unsuitable extinguishing media : No data available.

5.2. Specific hazards arising from the chemical

Fire hazard : Harmful substances may be formed by incomplete combustion and/or high temperature.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Only allow access to authorised staff. Eliminate all ignition sources if safe to do so.
Move undamaged containers from immediate hazard area if it can be done safely.
Pay attention to the wind direction.

Protection during firefighting : During firefighting, wear chemical protective clothing with air-respirator.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Only allow access to authorised staff.

6.1.1. For non-emergency personnel

Protective equipment : Provide ventilation system and use necessary personal protective equipment as described in SECTION 8.

Measures in case of dust release : For preventing from scattering of powder, cover with a sheet.

6.1.2. For emergency responders

Protective equipment : Provide ventilation system and use necessary personal protective equipment as described in SECTION 8.

Emergency procedures : See protective measures of SECTION 7 and 8.

6.2. Environmental precautions

Avoid release to the environment. Collect spillage.

6.3. Methods and material for containment and cleaning up

For containment : Take up mechanically, placing in appropriate containers for disposal. Avoid generation of dust.
For preventing from scattering of powder, cover with a sheet.
Prevent spread over a wide area (e.g. by containment with sandbag etc.).
Stop leak if safe to do so.

Methods for cleaning up : Remove all sources of ignition immediately (Smoking, naked flames and sparks prohibited nearby).
Use explosion-proof machinery, apparatus, ventilation facilities, tools etc.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe dust. Do not get in eyes, on skin, or on clothing. Use only in well-ventilated areas.
Use personal protective equipment as required.

Hygiene measures : Do not eat, drink or smoke when using this product. Avoid contact with skin, eyes and clothes.
Wash hands, forearms and face thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations. Use explosion-proof electrical, ventilating, lighting equipment.

Storage conditions : Keep container tightly closed in a cool place.

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| Incompatible materials | : Refer to the detailed list of incompatible materials in section 10 Stability/Reactivity Since it easily absorbs moisture, care should be taken to prevent it from absorbing moisture, especially after opening. |
| Storage area | : Store in a well-ventilated place. Avoid leaving it outdoors because it is a hygroscopic powder. |
| Packaging materials | : Stainless steel, Glass, Polyethylene, Polypropylene, Multilayer kraft paper. |

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | |
|--|---|
| Dust | |
| USA - OSHA - Occupational Exposure Limits | |
| OSHA PEL (TWA) | Respirable dust : 5 mg/m ³ , Total dust : 15 mg/m ³ |

8.2. Appropriate engineering controls

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| Appropriate engineering controls | : Take precautionary measures against static discharge. Provide sufficient washing facilities. Provide adequate ventilation. |
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8.3. Individual protection measures/Personal protective equipment

Hand protection:

PE (polyethylene), rubber gloves.

Eye protection:

Wear eye/face protection.

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Where exposure through inhalation may occur from use, respiratory protection equipment (a dust mask with an electric fan (with a collection efficiency of 95% or more) is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
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| Physical state | : Solid |
| Appearance | : Powder. |
| Color | : White ~ light red |
| Odor | : Odorless ~ slight characteristic odor |
| Odor threshold | : No data available |
| pH | : No data available |
| Melting point | : No data available |
| Freezing point | : No data available |
| Boiling point | : No data available |
| Flash point | : No data available |
| Relative evaporation rate (butyl acetate=1) | : No data available |
| Flammability (solid, gas) | : No data available |
| Vapor pressure | : No data available |
| Relative vapor density at 20°C | : No data available |
| Density / Relative density | : 0.4 – 0.6 g/m ³ (bulk density) / No data available |
| Solubility | : Water: practically insoluble (swelling) Organic solvent: practically insoluble. |

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| Partition coefficient n-octanol /water (log Kow) | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity, kinematic | : No data available |
| Viscosity, dynamic | : No data available |
| Explosion limits | : No data available |
| Explosive properties | : No data available |
| Oxidizing properties | : No data available |

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable in normal handling.

10.3. Possibility of hazardous reactions

Danger of dust explosion.

10.4. Conditions to avoid

Light, heat.

10.5. Incompatible materials

Oxidizing agent, reducing agent, base.

10.6. Hazardous decomposition products

Thermal decomposition may release harmful gases.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

| | |
|-----------------------------|--|
| Acute toxicity (oral) | : Classification not possible (No data available) |
| Acute toxicity (dermal) | : Classification not possible (No data available) |
| Acute toxicity (inhalation) | : Not applicable, because of solid defined by GHS. (gas) No data available. Classification not possible. (vapor) No data available. Classification not possible. (dust) Not applicable, because of solid defined by GHS. (mist) |

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| Unknown acute toxicity (GHS US) | >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Oral) >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Dermal) >=95% of the mixture consists of ingredient(s) of unknown acute toxicity (Inhalation (Vapor, Mist)) |
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Skin corrosion/irritation : Not classified.

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| Human patch test (primary irritation by single skin contact for 48 hours) | Negative |
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Serious eye damage/irritation : Classification not possible (Lack of data)

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| Eye irritation alternative method (using SkinEthic™ HCE method) | Non-irritant |
|---|--------------|

Respiratory or skin sensitization : Respiratory sensitization: Classification not possible (No data available)
Skin sensitization: Classification not possible (Lack of data)

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| Repeat Insult Patch Test (RIPT) | Negative |
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Germ cell mutagenicity : Classification not possible (Lack of data)

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| in vitro, Reverse mutation test using microorganisms (Ames test) | Negative |
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Carcinogenicity : Classification not possible (No data available)

Reproductive toxicity : Classification not possible (No data available)

STOT-single exposure : Classification not possible (No data available)

STOT-repeated exposure : Classification not possible (No data available)

Aspiration hazard : Classification not possible (No data available)

Viscosity, kinematic : No data available

Symptoms/effects after inhalation : May cause irritation to the respiratory tract, sneezing, coughing, burning sensation of throat with constricting sensation of the larynx and difficulty in breathing.

Symptoms/effects after skin contact : May cause skin dryness, erythema (reddening), itch, rash.

Symptoms/effects after eye contact : May cause Erythema (Reddening), Pain.

Symptoms/effects after ingestion : May cause Burning sensation, Abdominal pain, Cough, Sore throat, Dizziness, Somnolence, Headache, Nausea.

Most Important Symptoms/Effects : No additional information available.

Other information : No phototoxicity

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| in vitro, phototoxicity assessment using the 3t3 NRU based on both PIF and MPE | Negative |
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SECTION 12: Ecological information

12.1. Toxicity

Hazardous to the aquatic environment, short-term (acute) : Classification not possible (No data available)

Hazardous to the aquatic environment, long-term (chronic) : Classification not possible (No data available)

12.2. Persistence and degradability

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No information available.

12.3. Bioaccumulative potential

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No information available.

12.4. Mobility in soil

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No information available.

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12.5. Other adverse effects

Effect on the ozone layer : Any ingredient listed in Annexes to the Montreal Protocol is not in the mixture.
Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with local/regional/national/international regulations.
Ecology - waste materials : Consign it to a licensed industrial waste disposal company and process it.
For waste disposer, notice of risk and hazardousness when dealing with waste.

SECTION 14: Transport information

In accordance with DOT / TDG / IMDG / IATA

| DOT | TDG | IMDG | IATA |
|---|----------------|----------------|----------------|
| 14.1. UN number | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.2. Proper Shipping Name | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.3. Transport hazard class(es) | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.4. Packing group | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| 14.5. Environmental hazards | | | |
| Not applicable | Not applicable | Not applicable | Not applicable |
| No supplementary information available | | | |

14.6. Special precautions for user

Avoid direct sunlight during transport. Prevent from container broken, corroded and leakage. Ensure the prevention of collapse of cargo. ,
Do not transport with food and feedstuffs. Do not put up heavy things.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable (Bulk transportation is not assumed).

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

| Name | CAS-No. | Listing | Commercial status | Flags |
|-------------------------------|--------------|-------------|-------------------|-------|
| Acrylic copolymer sodium salt | Trade secret | Not present | - | |
| Water | 7732-18-5 | Present | Active | XU |

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15.2. International regulations

CANADA

Acrylic copolymer sodium salt (Trade secret)

Listed on the Canadian DSL (Domestic Substances List)

Water (7732-18-5)

Listed on the Canadian DSL (Domestic Substances List)

15.3. US State regulations

No additional information available

SECTION 16: Other information

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Revision date

: 2/7/2025

Data sources

: 1) Data measured by TOAGOSEI
2) EU-CLP

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.