

SAFETY DATA SHEET

SDS: A3600-1500_E001

Date Prepared: 2020/01/08

Date Revised: 2023/01/10

Product Name: **TEXNOL R5(50)**

1. Identification of the substance/mixture and of the company/undertaking

| | |
|---------------------------------|--|
| Product name: | TEXNOL R5(50) |
| Identification of the supplier: | Nippon Nyukazai Co., Ltd. |
| Address: | No.4-1.Nihonbashi Kobuna-cho, Chuo-ku, Tokyo 103-0024, Japan |
| Charge section: | Business Operation Department (TEL:+81-3-5651-5640,FAX:+81-3-5651-5646) |
| Emergency telephone number: | Business Operation Department (TEL:+81-3-5651-5640,FAX:+81-3-5651-5646) |
| Recommend use: | Industrial |
| Restrictions on use: | Seek expert judgment when using for purposes other than those recommended. |

2. Hazards identification

Hazard category

| | |
|--|------------|
| Corrosive to metals | Category 1 |
| Acute toxicity (oral) | Category 4 |
| Skin corrosion/irritation | Category 1 |
| Serious eye damage/eye irritation | Category 1 |
| Acute hazards to the aquatic environment | Category 1 |
| Chronic hazards to the aquatic environment | Category 1 |

Label elements

Hazard pictograms:



Signal word:

Danger

Hazard statements:

H290 May be corrosive to metals.
 H302 Harmful if swallowed.
 H314 Causes severe skin burns and eye damage.
 H318 Causes serious eye damage.
 H400 Very toxic to aquatic life.
 H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention P234 Keep only in original packaging.
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.
 P264 Wash hands and face thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.

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Response P310 Immediately call a POISON CENTER/doctor/healthcare professionals under the supervision of a doctor.
 P330 Rinse mouth.
 P363 Wash contaminated clothing before reuse.
 P390 Absorb spillage to prevent material-damage.
 P391 Collect spillage.
 P301+P312 IF SWALLOWED: Call a POISON CENTRE/doctor/healthcare professionals under the supervision of a doctor if you feel unwell.
 P301+P330+P331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 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.

Storage P405 Store locked up.
 P406 Store in a corrosion-resistant/... container with a resistant inner liner.

Disposal P501 Dispose of contents/container in accordance with local/regional/national/international regulation.

3. Composition/information on ingredients

3.1. Substances Not Applicable

3.2. Mixtures

Ingredients and Concentration

| Ingredient Name | Concentration wt.% | CAS RN® | Existing and New Chemical Substances (JAPAN) | Industrial Safety and Health Law Substances (JAPAN) | Industrial Safety and Health Law (JAPAN) | Pollutant Release Transfer Register Law (JAPAN) | Poisonous and Deleterious Substances Control Act (JAPAN) |
|---|--------------------|------------|--|---|--|---|--|
| | | | Gazette notice reference number | Gazette notice reference number | Notifiable Substances | Specified Substances | Poisonous and Deleterious Substances |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | 50 | 68424-85-1 | ※reference | Public | Not applicable | Not applicable | Not applicable |
| Water | 50 | 7732-18-5 | --- | Public | Not applicable | Not applicable | Not applicable |

※ Not regarded as a New Chemical Substances.

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4. First aid measures

| | |
|----------------------------------|--|
| Inhalation: | Remove victim to fresh air and keep at rest in a position comfortable for breathing. If breathing is stopped, lie on your back and perform cardiopulmonary respiration. Get medical advice/attention. |
| Skin contact: | Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If skin irritation or a rash occurs: Get medical advice/attention. |
| Eye contact: | Immediately flush eye with plenty of clean water for at least 15 minutes. (If easy to do, remove contact lenses, if worn.) Get medical attention immediately. |
| Ingestion: | After having swallowed it, Drink a large quantity of water when consciousness becomes clear and receive treatment for the doctor immediately. A mouth must not give a person without the consciousness a thing. |
| Protection for first aid person: | The rescuer wears a tool for appropriate protection depending on the situation. |

5. Firefighting measures

| | |
|---|--|
| Suitable extinguishing media: | Use water spray(fog), foam, dry chemical or CO ₂ . |
| Extinguishing media to avoid: | Straight stream water. |
| Specific hazards arising from the chemical: | At the time of fire, hazardous gases (carbon monoxide, NO _x and others) can be generated. |
| Fire fighting: | Keep upwind of fire. Eliminate all ignition sources if safe to do so. In case of fire in the surroundings, move the content/container to the safety place. If it is not possible to move, cool the content/container with water spray. |
| Special protective equipment and precautions for fire fighters: | Gloves, protection glasses, wear fire, flame resistant, retardant clothing, air respiratory organs wear a tool for appropriate protection. |

6. Accidental release measures

| | |
|--|--|
| Personal precautions, protective equipment and emergency procedures: | Promptly remove possible ignition sources from the vicinity. Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. |
| Environmental precautions: | To environment (area of the sea, the soil) must not release it. |

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Methods and materials for containment and cleaning up:

Absorb this product with inactive materials (example: dry sand, earth) and recover it into a waste material container.
 In the case of large amount, stop leakage with earth/sand to begin with, and, then, recover it.
 In the case of a small quantity, I adsorb it in the earth and sand, a waste and collect it in empty container which I can seal up after having removed it.

7. Handling and storage

Handling

Technical measures: During handling, be sure to wear proper protective equipment (refer to the section 8).
 Ventilation requirements: Use the ventilation equipment described in Section 8.
 Precautions for safe handling: Not especially.

Storage

Storage conditions: Store the containers avoiding direct sunlight. Store in less than 40°C in a well-ventilated room.
 Safety adequate container materials: Use the container specified by the Fire Service ACT and the United Nations Transport Regulations.

8. Exposure controls/personal protection

Appropriate engineering controls: Use local ventilation equipment.
 Install eye and body washing facilities near the handling place.
 Display the position of equipment clearly.

Control parameters

| Ingredient Name | Industrial Safety and Health Law (JAPAN) | Japan Society for Occupational Health | ACGIH-TLV | |
|---|--|---------------------------------------|-----------------|-----------------|
| | Administrative Control Levels | Occupational Exposure Limits | TWA | STEL |
| Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides | Not established | Not established | Not established | Not established |

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Personal protective equipment

| | |
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| Respiratory protection: | Use a gas mask for organic gases, air-supplied respirator, self-contained compressed air breathing apparatus on the situation. |
| Hand protection: | Organic solvent impermeable protective gloves (Antistatic ones are desirable.) |
| Eye/face protection: | Protective glasses, goggle, protective face shield. |
| Skin/body protection: | Wear long-sleeved working clothes and protective shoes. (Antistatic ones are desirable.) Use an oiliness apron-resistant, boots depending on the situation. |
| Hygiene measures: | Wash with soap and water after handling. |

9. Physical and chemical properties

Product

| | |
|---|------------------|
| Form: | Liquid (20°C) |
| Color: | Yellow |
| Odor: | No data |
| Melting point/freezing point: | No data |
| Initial boiling point and boiling range: | 100(°C) |
| Flammability (solid, gas): | No data |
| Upper/lower flammability or explosive limits: | No data |
| Flash point: | No detection |
| Auto-ignition temperature: | No data |
| Decomposition temperature: | No data |
| pH: | 5-8(1%aq.) |
| Kinematic viscosity: | No data |
| Solubility: | water : Soluble. |
| Partition coefficient: n-octanol/water: | No data |
| Vapour pressure: | No data |
| Specific Gravity: | 0.987(20°C) |
| Vapour density: | No data |
| Particle characteristics: | No data |

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10. Stability and reactivity

| | |
|-------------------------------------|---|
| Chemical stability: | Stable under normal temperatures and pressures. |
| Possibility of hazardous reactions: | No data available |
| Conditions to avoid: | No data available |
| Incompatible materials: | No data available |
| Hazardous decomposition products: | No data available |

11. Toxicological information

Product

| | |
|--------------------------------------|--|
| Acute toxicity (oral): | Category 4 |
| Acute toxicity (dermal): | Classification not possible |
| Acute toxicity (inhalation): | Classification not possible (Gas) Classification not possible (Vapour) Classification not possible (Dust/Mist) |
| Skin corrosion/irritation: | Category 1 |
| Serious eye damage/irritation: | Category 1 |
| Respiratory sensitization: | Classification not possible |
| Skin sensitization: | No Classification |
| Mutagenicity: | No Classification |
| Carcinogenicity: | Classification not possible |
| Reproductive toxicity: | Classification not possible |
| Target organ effect/Single exposure: | Classification not possible |
| Target organ effect/Multi exposure: | Classification not possible |
| Respiratory toxic: | Classification not possible |

Ingredient

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

| | |
|------------------------------|--|
| Acute toxicity (oral): | Category 4 LD50: 500 mg/kg[mouse] |
| Acute toxicity (dermal): | Classification not possible |
| Acute toxicity (inhalation): | Classification not possible (Gas) Classification not possible (Vapour) Classification not possible (Dust/Mist) |

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| Skin corrosion/irritation: | <p>Category 1 Effect on person : Human, 0.3% aqueous solution, 24-hour closed patch test: Final round average score = 0.08 (Criterion and rating: no response = 0, faint erythema = 0.5, erythema = 1, erythema and edema = 2, erythema, edema accompanied by vesicles and papules = 3) Effect on animals: Guinea pig, 1% aqueous solution, 24 hour closed patch test: Final average score = 3.8 (Judgment Criteria and Rating: No response = 0, slight erythema = 1, erythema = 2, erythema and edema = 3, erythema and edema and crusting or necrosis = 4)</p> |
| Serious eye damage/irritation: | <p>Category 1 Effect on animals : Draize method, 1% (active) aqueous solution, non-eyewashing system: I.A.O.I. = 36.0, strong stimulation (Kay et al. Classification)</p> |
| Respiratory sensitization: | <p>Classification not possible Effect on animals : No data</p> |
| Skin sensitization: | <p>No Classification Effect on animals : Guinea pig, Buehler method: negative</p> |
| Mutagenicity: | <p>No Classification Ames Test: Negative</p> |
| Carcinogenicity: | <p>Classification not possible IARC: Unlisted, NTP: Unlisted, EU: Unlisted, Japan Society for Occupational Health: Unlisted</p> |
| Reproductive toxicity: | <p>Classification not possible No data</p> |
| Target organ effect/Single exposure: | <p>Classification not possible No data</p> |
| Target organ effect/Multi exposure: | <p>Classification not possible No data</p> |
| Respiratory toxic: | <p>Classification not possible Effect on person : No data</p> |

12. Ecological information

Product

| | |
|---------------------------------|-----------------|
| Ecotoxicity | |
| Acute toxicity: | Category 1 |
| Chronic toxicity: | Category 1 |
| Persistence and degradability : | No information. |
| Bioaccumulative potential : | No information. |

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| | |
|-------------------------------|-----------------------------|
| Mobility in soil: | No information. |
| Hazardous to the ozone layer: | Classification not possible |
| Other impact : | No information. |

Ingredient

Quaternary ammonium compounds, benzyl-C12-16-alkyldimethyl, chlorides

Ecotoxicity

| | |
|---------------------------------|--------------------------------------|
| Acute toxicity: | Category 1 |
| Fish: | 96hr,LC50: 1.6 mg/L[Oryzias latipes] |
| Daphnia: | 24hr,EC50: 0.1 mg/L[Daphnia pulex] |
| Chronic toxicity: | Category 1 |
| Persistence and degradability : | BOD = 97% (10 days) |

13. Disposal considerations

Disposal methods: When waste materials and waste water are to be treated, collect them into specified containers and entrust the disposal to a disposal contractor having an industrial waste disposal contractor permit.

Do not use the used containers for other purposes like filling other substances. Be sure to dispose of them after treating the content according to the above description. In case of recycling the container, return the container as it is after fitting a stopper without filling anything into it.

14. Transport information

| | | |
|---|---|--------------------------|
| International regulations | UN classification : | 8 |
| | UN number : | 1760 |
| | Proper shipping name : | CORROSIVE LIQUID, N.O.S. |
| | Packing group : | III |
| Domestic restriction: | Transport the material in accordance with the regulations in your country or region. | |
| Specific security precaution and condition of transportation: | Load the containers in such a way as not to wet with water, fall down, tumble, or being damaged. Cover the loaded cargo to prevent direct sunlight. | |
| Emergency Response Guide (ERG) Numbers: | Emergency Response Guide | 154 |

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15. Regulatory information

Regulatory information with regard to this substance in your country or region should be examined by your own responsibility.

16. Other information

| | |
|------------|---|
| Reference | Information obtained in NITE (National Institute of Technology and Evaluation) and other literature surveys. |
| Disclaimer | About the description: This SDS was created in accordance with JIS Z 7253 based on the materials and data available at the time of creation. Detailed information such as composition and ingredients corresponding to overseas legal regulation registration confirmation etc. may not be described, so please contact our sales staff separately if necessary. Precautions are for normal handling. In case of special handling, it is the responsibility of the user to take safety measures suitable for the intended use and usage. We have paid close attention to the contents, but we do not guarantee the contents. This product can only be used for industrial purposes. If you want to use it for other purposes, please contact us in advance. |