

# SAFETY DATA SHEET

## 1. Product and company identification

**Name of chemical (Product name):** DEMOL RN

**Product No.:** B0001733

### Manufacturer/Importer/Distributor Information

#### Information on domestic manufacturer

**Company Name:** Kao Corporation  
**Address:** 1-3,Bunka 2-chome,Sumida-ku,Tokyo 131-8501 Japan  
**Telephone:** +81-3-5630-7700  
**Fax:** +81-3-5630-7889  
**Contact division:** Chemical Business  
**E-mail:** chemical@kao.co.jp

**Emergency telephone number:** 81-3-5630-7700

## 2. Hazard(s) identification

### GHS classification:

#### Environmental Hazards

Acute hazards to the aquatic environment	Category 3
Chronic hazards to the aquatic environment	Category 3

### GHS label elements

<b>Pictograms:</b>	No symbol
<b>Signal Word:</b>	No signal word.
<b>Hazard Statement:</b>	Harmful to aquatic life with long lasting effects.
<b>Prevention:</b>	Avoid release to the environment.
<b>Response:</b>	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or doctor if you feel unwell.

**Storage:** -

**Disposal:** Passed to a licensed waste contractor.

**Unknown toxicity - Environment**

Acute hazards to the aquatic environment 0 %

Chronic hazards to the aquatic environment 0 %

### 3. Composition/information on ingredients

**Mixtures**

**General information:** No data available.

Chemical name or generic name	CAS number	ISHL	ENCS	Content in percent (%)
Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt	9084-06-4	YES	YES	94%

### 4. First-aid measures

**Description of necessary first-aid measures**

**Inhalation:** Remove person to fresh air and keep comfortable for breathing.

**Skin Contact:** Gently wash with plenty of soap and water.

**Eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**Ingestion:** Call a POISON CENTER or doctor if you feel unwell. Rinse mouth.

### 5. Fire-fighting measures

**Suitable (and unsuitable) extinguishing media**

**Suitable extinguishing media:** Powder, alcohol-resistant foam, water spray, carbon dioxide, sand

**Unsuitable extinguishing media:** No data available.

**Special hazards arising from the substance or mixture:** Produce irritating or toxic gases in a fire.

## Special protective equipment and precautions for firefighters

<b>Special fire fighting procedures:</b>	Keep away from sources of ignition and use appropriate extinguishing media. Fight fire from upwind position if possible. Do not flow the materials causing adverse effects into the environment with effluent fire extinguishing agents.
<b>Special protective equipment for fire-fighters:</b>	Use goggles in combination with dust mask, and other protections as appropriate to situation. Risk of producing harmful gases such as carbon monoxide and sulfur oxides. Avoid inhalation of smoke or gases.

## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	Use goggles and protective gloves. Large spills : Remove person to safety. Ensure adequate ventilation. Keep upwind.
<b>Methods and material for containment and cleaning up:</b>	Prevent dispersion of dust. Sweep or vacuum by dust-explosion-proof type cleaner.
<b>Environmental Precautions:</b>	Avoid release to the environment.
<b>Prevention of secondary hazards:</b>	No data available.

## 7. Handling and storage

### Handling

<b>Technical measures (e.g. Local and general ventilation):</b>	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower. Use local exhaust ventilation, in case of generation of dust.
<b>Safe handling advice:</b>	Avoid inhalation of fine dust . Use an adequate ventilation. Wash thoroughly after handling. If needed, use personal protective equipment as required. Prevent generation of dust. This material may cause risk of dust explosion.
<b>Contact avoidance measures:</b>	No data available.

### Storage

<b>Safe storage conditions:</b>	Keep container tightly closed. Store in a well-ventilated place.
<b>Safe packaging materials:</b>	No data available.

## 8. Exposure controls/personal protection

## Control Parameters

### Occupational Exposure Limits

ACGIH (TLV) : 10 mg/m<sup>3</sup> TWA (inhalable particles, recommended); 3 mg/m<sup>3</sup> TWA (respirable particles, recommended)(Particulates (insoluble or poorly soluble) not otherwise specified (PNOS))

OSHA (PEL) : 15 mg/m<sup>3</sup> TWA (total dust); 5 mg/m<sup>3</sup> TWA (respirable fraction) (Particulates not otherwise regulated)

## Individual protection measures, such as personal protective equipment

<b>Eye/face protection:</b>	Safety glasses with side shield(Safety goggles or Face shield)
<b>Hand Protection:</b>	Material: Rubber gloves
<b>Skin and Body Protection:</b>	Full-body suit
<b>Respiratory Protection:</b>	Use dust mask, as appropriate to situation.
<b>Hygiene measures:</b>	No data available.

## 9. Physical and chemical properties

### Information on basic physical and chemical properties

#### Appearance

<b>Physical state:</b>	Solid
<b>Form:</b>	Powder
<b>Color:</b>	Brown
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	No data available.
<b>Melting Point:</b>	No data available.
<b>Boiling Point:</b>	No data available.
<b>Flammability:</b>	No data available.
<b>Upper/lower limit on flammability or explosive limits</b>	
<b>Explosive limit - upper:</b>	No data available.
<b>Explosive limit - lower:</b>	No data available.
<b>Flash Point:</b>	Not detected
<b>Self Ignition Temperature:</b>	No data available.
<b>Decomposition Temperature:</b>	No data available.
<b>pH:</b>	9 (40% aqueous solution)
<b>Viscosity</b>	
<b>Dynamic viscosity:</b>	No data available.
<b>Kinematic viscosity:</b>	No data available.
<b>Flow Time:</b>	No data available.
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Very Soluble
<b>Solubility (other):</b>	Poorly soluble in lower alcohol

<b>Partition coefficient (n-octanol/water):</b>	No data available.
<b>Vapor pressure:</b>	No data available.
<b>Relative density:</b>	No data available.
<b>Density:</b>	No data available.
<b>Relative vapor density:</b>	No data available.
<b>Particle characteristics</b>	
<b>Particle Size:</b>	No data available.
<b>Particle Size Distribution:</b>	No data available.

## 10. Stability and reactivity

<b>Reactivity:</b>	No data available.
<b>Chemical Stability:</b>	Stable in general.
<b>Possibility of hazardous reactions:</b>	Risk of dust explosion.
<b>Conditions to avoid:</b>	No data available.
<b>Incompatible Materials:</b>	No data available.
<b>Hazardous Decomposition Products:</b>	No data available.

## 11. Toxicological information

### Acute toxicity (list all possible routes of exposure)

#### Oral

<b>Product:</b>	LD 50 (Rat, Female, Male): > 2,000 mg/kg Not classified based on available data.
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#### Dermal

<b>Product:</b>	No data available. Not classified based on available data of component(s).
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#### Inhalation

<b>Product:</b>	Dusts, mists and fumes: Classification not possible due to insufficient data. Vapour: No data available. Not classified based on available data of component(s).
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#### Skin Corrosion/Irritation

<b>Product:</b>	OECD TG404 (Rabbit, 4 h): Non irritant undiluted Not classified based on available data.
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#### Serious Eye Damage/Eye Irritation

**Product:** OECD TG405 (Rabbit): Not classified undiluted  
Not classified based on available data.

#### **Respiratory or Skin Sensitization**

**Product:** Skin: Classification not possible due to insufficient data.  
Respiratory: Classification not possible due to insufficient data.

#### **Carcinogenicity**

**Product:** Classification not possible due to insufficient data.

#### **IARC:**

No carcinogenic components identified

#### **NTP:**

No carcinogenic components identified

#### **JSOH:**

No carcinogenic components identified

#### **EU**

No carcinogenic components identified

#### **Germ Cell Mutagenicity**

##### **In vitro**

**Product:** Ames test (TA98, TA100): Negative  
Classification not possible due to insufficient data.

##### **In vivo**

**Product:** Classification not possible due to insufficient data.

#### **Reproductive toxicity**

**Product:** Classification not possible due to insufficient data.

#### **Specific Target Organ Toxicity - Single Exposure**

**Product:** Classification not possible due to insufficient data.

#### **Specific Target Organ Toxicity - Repeated Exposure**

**Product:** Classification not possible due to insufficient data.

#### **Aspiration Hazard**

**Product:** No data available.

#### **Other effects:**

No data available.

## **12. Ecological information**

#### **Ecotoxicity:**

##### **Acute hazards to the aquatic environment**

#### **Fish**

**Product:** LC 50 (Rainbow Trout, 96 h): 70 mg/l (Data on similar product)

#### **Aquatic Invertebrates**

**Product:** No data available.

#### **Toxicity to Aquatic Plants**

**Product:** No data available.

#### **Components:**

Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt Category 3: (99)

### **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.

#### **Components:**

Naphthalenesulfonic acid, polymer with formaldehyde, sodium salt Category 3: (21)

### **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.

**Hazardous to the ozone layer:** Not Regulated

**Further Information:** No data available.

### 13. Disposal considerations

<b>Disposal methods:</b>	Review "HANDLING AND STORAGE (Section 7)". Passed to a licensed waste contractor. This product may cause risk of dust explosion. Incinerate with little portions. Risk of producing harmful gases such as carbon monoxide and sulfur oxides.
<b>Contaminated Packaging:</b>	No data available.

### 14. Transport information

#### International regulations

<b>IMDG</b>	Not regulated.
<b>IATA</b>	Not regulated.

#### National Regulations

**Domestic Standard:** In compliance with domestic law.

### 15. Regulatory information

**Law concerning Pollutant Release and Transfer Register**  
 Not Regulated

**Industrial Safety and Health Law**  
 Not Regulated

**Poisonous and Deleterious Substances Control Act**  
 Not Regulated

**Explosives Control Act:**  
 Not Regulated

**High Pressure Gas Safety Act:**  
 Not Regulated

**Fire Service Act:**  
 Not applicable to dangerous materials / designated flammables.

**Act on the Evaluation of Chemical Substances and Regulation of Their Manufacture, etc.**  
 Not Regulated

**Ship Safety Law, Dangerous Goods Marine Transport and Storage Rule:**  
 Not Regulated

**Air Law, Enforcement Rule:**  
 Not Regulated



## Export Trade Control Order:

Not Regulated

## Inventory Status:

US TSCA Inventory:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Australia AICS:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	Contact us for information
Japan (ENCS) List:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
REACH (EU):	Contact us for information
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

## 16.Other Information

### Disclaimer:

To the best of the manufacturer's knowledge, the information contained herein is accurate. However, neither the manufacturer, nor any of its affiliates, make any representations or warranties (expressed or implied), nor assumes any liability (including liability for any direct, incidental, consequential, or other damages) with respect to the accuracy or completeness of the information contained herein. Such information may be (without limitation) invalid if the specified material is used in combination with another, in a particular process, or under unusual conditions. Determination of suitability of any material for any given purpose is the sole responsibility of the user who assumes all risk and responsibility therefore. All materials may present unknown hazards and should be used with appropriate caution. The manufacturer cannot and does not guarantee that the hazards described herein are the only ones that exist. In the case of the product for fragrance, it's in accordance with the latest standard of IFRA within ordinary use. Contact with the supplier for detail information.

### Reference:

- Hazard communication of chemicals based on GHS -- Labelling and Safety Data Sheet (SDS) (JIS Z 7253 : 2019)
- International Chemical Safety Cards (ICSC) (Compiler's Guide) (1994)
- GHS guideline -- Labelling and Safety Data Sheet (2019) Japan Chemical Industry Association
- (21): Estimation
- (99): Internal study data