

Date of first issue 2013/04/17

Date of revised 2019/01/07

## SAFETY DATA SHEET

## 1 . IDENTIFICATION

Name of chemical substances:PAINT REMOVER  
 Kinds of product:Paint remover  
 Manufacturer name:DAI NIPPON TORYO CO.,LTD.  
 Address:6-1-124 Nishikujo, Konohana-ku, Osaka 554-0012 Japan  
 Section in charge:Mayor of customer service  
 Phone number:06-6466-6700  
 FAX number:06-6466-2751  
 Reference number:0121019MC  
 Use:Parting agent of coating

## 2 . HAZARDS IDENTIFICATION

## GHS classification:

## Physicochemical Hazards:

|   |                              |
|---|------------------------------|
| Explosives  | :Not classified              |
| Flammable gases   | :Not applicable              |
| Flammable aerosols  | :Not applicable              |
| Oxidizing gases   | :Not applicable              |
| Gases under pressure  | :Not applicable              |
| Flammable liquids   | :Classification not possible |
| Flammable solids  | :Not applicable              |
| Self-reactive substances and mixtures   | :Classification not possible |
| Pyrophoric liquids  | :Not classified              |
| Pyrophoric solids   | :Not applicable              |
| Self-heating substances and mixtures  | :Not classified              |
| Substances and mixtures which,<br>in contact with water, emit flammable gases | :Not classified              |
| Oxidizing liquids   | :Not classified              |
| Oxidizing solids  | :Not applicable              |
| Organic peroxides   | :Classification not possible |
| Corrosive to metals   | :Classification not possible |

## Health hazards:

|  |                                     |
|--|-------------------------------------|
| Acute toxicity - oral  | :Not classified                     |
| Acute toxicity - dermal  | :Not classified                     |
| Acute toxicity-inhalation/gases                                | :Not applicable                     |
| Acute toxicity-inhalation/vapour                               | :Classification not possible        |
| Acute toxicity-inhalation/dusts<br>and mists                   | :Classification not possible        |
| Skin corrosion / irritation                                    | :Category 2                         |
| Serious eye damage /irritation                                 | :Category 1                         |
| Respiratory sensitization                                      | :Classification not possible        |
| Skin sensitization   | :Category 1                         |
| Germ cell mutagenicity   | :Not classified                     |
| Carcinogenicity  | :Classification not possible        |
| Reproductive toxicity  | :Not classified                     |
| Specific target organ systemic<br>toxicity (single exposure)   | :Category 1<br>(respiratory organs) |
| Specific target organ systemic<br>toxicity (repeated exposure) | :Classification not possible        |
| Aspiration toxicity  | :Classification not possible        |

## Environmental hazards:

|  |                 |
|--|-----------------|
| Hazardous to the aquatic<br>environment (acute toxicity) | :Not classified |
| Hazardous to the aquatic                                 |                 |

environment (chronic toxicity) :Classification not possible  
 GHS label elements:  
 Pictogram or symbol:



Signal words: Danger

Hazard statement:

- Causes skin irritation.
- Causes serious eye damage.
- May cause an allergic skin reaction.
- Causes damage to organs respiratory organs.

Precautionary statements:

Prevention:

- Wash thoroughly after handling.
- Wear protective gloves as specified by the manufacturer/supplier or the competent authority.
- Do not breathe dust/fume/gas/mist/vapours/spray.
- Wash hands thoroughly after handling.
- Do not eat, drink or smoke when using this product.
- Wear eye/face protection as specified by the manufacturer/supplier or the competent authority.
- Contaminated work clothing should not be allowed out of the workplace.

First aid measures:

- IF ON SKIN: Gently wash with plenty of soap and water.
- If skin irritation occurs, seek medical advice/attention.
- Take off contaminated clothing and wash before reuse.
- If exposing it: Contact the doctor.
- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Immediately call a POISON CENTRE or doctor/physician.
- If skin irritation occurs, get medical advice/attention.
- Wash contaminated clothing before reuse.

Storage:

- Store locked up.

Disposal:

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

### 3 . COMPOSITION / INFORMATION ON INGREDIENTS

Classification of the substance or mixture: A mixture.

Chemical or generic name: No information

Chemical characteristic (chemical formulas): No information

Poisonous and Deleterious Substances Control Act: No correspond

Component name:

| Ingredient name  | CAS no    | Content (%) | Industrial Safety and Health Act | Poisonous and Deleterious Substances Control Act | Pollutant Release and Transfer Register Law |
|------------------|-----------|-------------|----------------------------------|--|---|
| sodium hydroxide | 1310-73-2 | 1.0 ~ 10.0  |                                  | -  |   |
| tetrahydrofuran  | 109-99-9  | 1.0 ~ 10.0  |                                  | -  |   |
| triethanolamine  | 102-71-6  | 1.0 ~ 10.0  |                                  | -  |   |

### 4 . FIRST AID MEASURES

Inhalation:

- If inhaled vapour or gases and felt unwell, remove to fresh air and keep at rest in a position comfortable for breathing.
- And call a doctor /physician if feels unwell.

Skin contact:

- Wipe off clinging substance with clean cloth quickly.
- Wash off thoroughly with plenty of water and soap. Do not use solvent or paint thinner.
- If any change of appearance is seen, or pain persists and feels unwell, consult a doctor/physician.
- Take off immediately all contaminated clothing.

**Eye contact:**

Wash off with plenty of clean water immediately for 15 minutes or more. And remove contact lens ,if presence and easy to do.  
And completely wash it including the underside of eyelid.  
Consult a physician as soon as possible.  
Call a POISON CENTER or doctor/physician immediately.

**Ingestion:**

If swallowed accidentally, rest and consult a doctor/physician immediately.  
Do not let swallow vomit.  
Avoid forcing to vomit without physician ' s instruction.

**The protection of the person taking first aid measure.:**

Wear proper protectors ( safety goggles, respirator, gloves,etc.)  
Ventilate

**5 . FIRE-FIGHTING MEASURES**

Extinguishing compositions:All extinguishant.

Special fire extinguishing method(protection of fire-fighting person):

Perform fire fighting in cope with protecting to fire neighbor.

**6 . ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures:

Wear proper protectors (safety goggles, respirator, gloves, apron,etc.)

Declare off-limits of the outskirts and do not bring it close anyone other than the person concerned and prevent a second disaster.

Environmental precautions:

Take cautions not to cause influence on environment by discharge to river.

Methods and materials for containment and cleaning up:

Dispose of waste or clinging matter according to related regulation.

Recollect leakage in the container can be sealed and keep in safety place.

**7 . HANDLING AND STORAGE**

Handling:

Handling technical measures:

Handle in good ventilated area.

Close container tightly with closer after use.

Wear proper protectors to prevent from contact on skin, mucous membrane, wearing clothes and eyes.

Wash hands and face well after handling, and avoid to bring polluted protectors in any place where person stays.

The person who had allergic symptom must not handle it.

Storage:

Storage, technical measures:

Avoid a direct sunlight.

Keep in good ventilated place.

**8 . EXPOSURE CONTROLS / PERSONAL PROTECTION**

Taking measures for equipment:

Consider so that the operator can not touch or expose to corrosive substance directly.

In door application, use either not to expose the operator directly, such as using automatic painting machines, or that keeps the operator from exposure, such as local exhaust ventilation equipment.

Management density / permission density:

| Chemical substance name | Exposure limits<br>ppm | Exposure limits mg<br>/m3 | Skin |
|-------------------------|------------------------|---------------------------|------|
| tetrahydrofuran         | 50                     |                           |      |
| Chemical substance name | ACGIH_TLV-C ppm        | ACGIH_TLV-C mg/m3         | Skin |
| sodium hydroxide        |                        | 2                         |      |
| Chemical substance name | ACGIH_TWA ppm          | ACGIH_TWA mg/m3           | Skin |
| tetrahydrofuran         | 50                     |                           |      |
| triethanolamine         |                        | 5                         |      |



triethanolamine Category 1  
Specific target organ / systemic toxicity - single exposure:  
sodium hydroxide Category 1  
(respiratory organs)  
tetrahydrofuran Category 3  
(Respiratory tract irritation)  
triethanolamine Category 3  
(Respiratory tract irritation)

---

## 1 2 . ECOLOGICAL INFORMATION

Take care for spills or waste in handling because of its environmental impact. Especially take care for product or rinsing water not to flow into ground, river and drain directly.  
Hazardous to the aquatic environment - Acute hazard:  
sodium hydroxide Category 3

---

## 1 3 . DISPOSAL CONSIDERATIONS

Residual waste:

Let authorized industrial waste disposing agent to dispose of abolished paint, containers and others under agreement.

Dispose of abolished paint, materials and waste from incineration in accordance with regulation or laws of "Specified Hazardous Industrial Wastes" of Special Controlled Industrial Waste.

Must not dispose of waste water from washing container, machinery and etc. into the ground or drain without treatment.

Dispose of waste from waste water treatment, incineration and etc. in accordance with regulation or laws relating to disposal and cleaning of waste, or let special disposing agent to dispose.

Polluted container and packing:

Let authorized industrial waste disposing agent to dispose of them under agreement.

Dispose of used container after removing contents completely.

---

## 1 4 . TRANSPORT INFORMATION

After confirming the state of container had no leakage, and load to prevent collapsing, fall and damage.

Obey the description of "Handling and Storage"

IMDG:8

UN number:1760

Packing group:PG II

Land transportation:

If falling under "Fire Service Act", "Industrial Safety and Health Act" or "Poisonous and Deleterious Substances Control Act", obey the transport method regulated in each law.

Marine transportation:

Obey the provisions of "Ship Safety Act"

Air transportation:

Obey the provisions of "Civil Aeronautics Act"

Guide number:154

---

## 1 5 . REGULATORY INFORMATION

Industrial Safety and Health Act:

Article 57-2, notifiable substances

Waste Management and Public Cleaning Act:

---

## 1 6 . OTHER INFORMATION

Literatures:

"Raw Materials Database" edited by Japan Paint Manufacturers Association

"Materials Safety Data Sheet Guide (Mixture)" edited by Japan Paint Manufacturers Association

"Solvent Pocket Book" Ohmsha, Ltd.

The Handbook for Precautions and First Aids to Dangerous Goods.

International Chemical Safety Cards.

Other information:

This SDS is necessary to handle our manufacture property and gathered up the matter which must be paid attention briefly for normal handling.

However the content noted above is prepared based on information or data available at the present, the evaluation of hazardousness and harmfulness is not adequate necessary, so be careful in handling.

This SDS may be revised without notice by revising law or new knowledge.

This SDS is based on the standard of Japan Paint Manufacturers Association with Laws of Japan but not from local government, accord to relevant local laws as required when handling.