

Safety Data Sheet

1 PRODUCT AND COMPANY IDENTIFICATION

Product name: NAX O-DE THINNER EX
Intended use: thinner
Manufacture:
Company name: NIPPON PAINT CO.,LTD.
Address: 2-1-2 Oyodo-kita,Kita-ku,Osaka 531-8511
Telephone No.: +81-6-6455-9122
Facsimile No.: +81-6-6455-9252
24 hours Emergency telephone No.: +81-6-6455-9122

2 COMPOSITION/INFORMATION ON INGREDIENTS

Substance or Preparation:Preparation.

Chemical nature:waterborne thinner

<u>Ingredient Name</u>	<u>CAS No.</u>	<u>Concentration[%]</u>
water	7732-18-5	60-65
3-methyl 3-methoxy butanol	56539-66-3	20-25
ethanol	64-17-5	10-15
isopropanol	67-63-0	1-5
other solvent(s)	proprietary	0.1-1
other additive(s)	proprietary	0.1-1

Notes:*,+,@=Carcinogenic according to criteria established by (*=NTP +=IARC @=OSHA)

\$=Significant New Uses of Chemical Substances (SNUR). section 721, Subpart E--Significant New Uses for Specific Chemical Substances.

\$1=SNUR (70 FR 71401-6, Nov. 29, 2005) This SNUR regulation is applicable only when the substance is for domestic use in a consumer product.

3 HAZARDS IDENTIFICATION

classification most important hazard
flammable liquid and vapor. Flammable liquid and vapor.

4 FIRST-AID MEASURES

Inhalation: If inhaled, remove to fresh air.
Skin contact: In case of contact, immediately wash skin soap and plenty of water.
Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes.
Ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel.

Get medical attention immediately.

5 FIRE-FIGHTING MEASURES

Do NOT use water jet.

Use water spray or dry chemicals.

Keep adjacent receptacles cool with copious quantities of water.

suitable fire-extinguishing media

[OK]water fog,[OK]CO2,[OK]foam,[OK]dry chemicals,[OK]dry sand.

Note: Fire will produce dense black smoke.

Decomposition products may be hazardous to health.

Avoid exposure and use breathing apparatus as appropriate.

Cool closed containers exposed to fire by spraying them with water.

Do not allow run off water and contaminants from fire fighting to enter drains or watercourses.

See section 10.

6 ACCIDENTAL RELEASE MEASURES

Avoid all sources of ignition(e.g.naked lights, unprotected light bulbs,electric handtools).

Ventilate the area and avoid breathing vapors.

Wear protective clothing and self-contained breathing apparatus when dealing with spillage or fire.

Collect spillage, where practicable, for safe disposal.

Should be disposed of wastes and empty containers in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Collect spillage, where practicable, using absorbent material, and dispose of spillage on the floor in a safe manner.

Keep away from drains,surface- and ground-water and soil.

Use personal protection equipment.

Absorb and/or contain spill with inertmaterial(sand,vermiculite),then place in suitable container.

For large spills: Neutralize spill area with(soda ash or lime,diluted acetic acid).

Flush spill area with water spray:Prevent run off from entering water way or sewers.

Refer to headings 8 and 13.

7 HANDLING AND STORAGE

Handling:

Keep away from heat, sparks, and flame.

Keep container closed.

Use with adequate ventilation.

The product may charge electro statically.

Operators should wear clothing which dose not generate static (at least 60% natural fiber) and antistatic food wear.

Protection as shown in section 8.

Storage:

Keep container closed.

Avoid prolonged or repeated contact with skin and inhalation.

Keep away from heat, sparks and flame.

Store in a well-ventilated, dry place away from sources of heat and direct sunshine.

Do not store above 40 deg.C. (104 deg.F.).

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Measures: Prevent vapor build up by providing adequate ventilation during and after use.
Facilities storing or utilizing this material should be equipped with an eye wash facility and a safety shower.

Exposure limit:

<u>Ingredient name</u>	<u>ACGIH TLV(TWA)</u>	<u>OSHA TLV(TWA)</u>
water	not est.	not est.
3-methyl 3-methoxy butanol	not est.	not est.
ethanol	1000ppm	1000 ppm
isopropanol	200ppm	not est.

Notes:(RD)=respirable dust. (c)=ceiling limit. (Skin)=skin penetrative.
Mppcf=millions of particles per cubic foot.

Personal protection:

Respiratory protection: Wear NIOSH-Approved appropriate equipment.

Hand protection: Wear impervious gloves.

Eye protection: Wear chemical splash goggles and face shield when eye and face contact is possible due to splashing or spraying of material.

Skin protection: Wear chemical resistant clothing such as gloves, apron, boots or whole bodysuits made from neoprene, as appropriate.

Environmental exposure control: Do NOT let this product enter the environment.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid
color:	colorless
odor:	solvent odor
pH:	6.8
boiling point(range):	78.3 - 178[deg.C](173 - 352[deg.F])
flash point:	35.8[deg.C](96.4[deg.F])
ignition temperature:	395[deg.C](743[deg.F])
lower explosive limit:	2.5[%]
higher explosive limit:	12[%]
vapor pressure:	5333[Pa]
specific density:	0.97/20[deg.C](68[deg.F])

vapor density: The vapor and the gas are heavier than air.
solubility in water: Miscible in water.
percentage volatile: 40.0[%]

10 STABILITY AND REACTIVITY

Stability: Stable under recommended storage and handling conditions (see section 7).
When exposed to high temperature, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, oxides of nitrogen and smoke.

Hazardous reaction: Hazardous reaction will not occur.

Condition to avoid: Avoid heating temperatures above 40 deg.C.

Hazardous decomposition products: The products decomposed on heating producing their oxide or monomers.

11 TOXICOLOGICAL INFORMATION

There are no data available on the product itself.

Toxicological information of ingredients:

acute toxicity:

No data.

local effects:

No data.

sensitization:

No data.

chronically long term effect:

No data.

12 ECOLOGICAL INFORMATION

For spills or waste, take care to avoid contaminating environment.

Prevent spills and wastewater from entering sewers, water courses or law areas to avoid pollution.

There are no data available on the product itself.

Ecological information of ingredients:

acute toxicity: 3-methyl 3-methoxy butanol TLm 24-96h 7400ppm Oryzias datipes

Data are based on "Biological and Bioaccumulation Data of Existing Chemicals Based on the SCSL Japan" Complied under the supervision of METI(MITI) Japan.

13 DISPOSAL CONSIDERATIONS

The product should not be allowed to inter drains and watercourses.

All notification, clean-up and disposal should be carried out in accordance with federal, state and local regulations.

Preferred method of waste disposal are incineration or biological treatment in federal/state approved facility.

Wastes and empty containers should be disposed of in accordance with regulations made under the control of pollution acts and the environmental protection acts.

Empty containers should be recycled or disposed of through an approved waste management facility.

It is strongly advised not to let the chemical enter into the environment.

14 TRANSPORT INFORMATION

UN regulation

UN Shipping name:	PAINT(including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base) or PAINT RELATED MATERIAL (including paint thinning or reducing compound)
UN identification number:	1263
UN Class:	class 3 Flammable liquids.
UN Packaging group:	III
IMDG Class:	class 3.3 High flashpoint group.
storage temperature:	Store bellow 40 deg.C.(104deg.F.). See section 7,Handling and storage.

15 REGULATORY INFORMATION

Please refer to any other national measures that may be relevant.

16 OTHER INFORMATION

HMIS

Health	0
Reactivity	0
flammability	3

Personal Protection

Notes ; Health ; 4(sevier) > 3 > 2(moderate) > 1 > 0 (mild or none)

*: carcinogenic, mutagenic or reproductive effects.

Reactivity ; 4(easily explosive) > 3,2(reactive with water) > 1 > 0 (mild or none)

Flammability ; 4(highly flammable) > 3 > 2(flammable) > 1 > 0 (not flammable)

Personal Protection ; by the direction of employer.

This information contained in this data sheet represents the best information currently available to us.

However, no warranty is made with respect to its completeness and we assume no liability resulting us from its.

It is advised to make their own tests to determinate the safety and suitability of each such product or combination for their own.

Ensure this material in compliance with federal requirements and ensure conformity to local regulations.

The product should not be used for purposes other than shown in the material safety data sheet without first obtaining written advice.
