

## SAFETY DATA SHEET

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : NOPMAX H-8001  
 SUPPLIER  
   NAME : SAN NOPCO LIMITED.  
   ADDRESS : 31-1, Shinpomachi, Tokai-city, Aichi Pref. 476-0005 JAPAN  
   DEPARTMENT : Quality Assurance Dept.  
   TELEPHONE NUMBER (INFORMATION) : +81-3-3500-3501 (Tokyo Sales Dept.)  
   : +81-75-541-4380 (Osaka Sales Dept.)  
   FAX NUMBER (INFORMATION) : +81-52-604-0149  
   EMERGENCY TELEPHONE NUMBER : +81-52-604-0182  
 RECOMMENDED USES : Paint chemicals for Industry  
 SDS No. : 020793301

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### 2. HAZARD IDENTIFICATION (Follow all regulation in your country.)

#### GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

##### PHYSICAL HAZARDS

FLAMMABLE LIQUID : Category 3

##### HEALTH HAZARDS

ACUTE TOXICITY (ORAL) : Classification not possible  
 ACUTE TOXICITY (SKIN) : Classification not possible  
 ACUTE TOXICITY (INHALATION: GAS) : No classification  
 ACUTE TOXICITY (INHALATION: VAPOR) : Category 4  
 ACUTE TOXICITY (INHALATION: DUST, MIST) : Classification not possible  
 SKIN CORROSION / IRRITATION : Category 2  
 SERIOUS EYE DAMAGES / EYE IRRITATION : Category 2  
 RESPIRATORY SENSITIZATION : Classification not possible  
 SKIN SENSITIZATION : Classification not possible  
 GERM CELL MUTAGENICITY : Classification not possible  
 CARCINOGENICITY : Category 2  
 REPRODUCTIVE TOXICITY : Category 1  
 SPECIFIC TARGET ORGAN TOXICITY;  
   SINGLE EXPOSURE : Category 1  
   (liver, kidneys, central nervous system,  
   respiratory systems)  
   Category 3  
   (narcotic effects)  
 SPECIFIC TARGET ORGAN TOXICITY;  
   REPEATED EXPOSURE : Category 1  
   (nervous system, respiratory systems,  
   auditory organ)  
 ASPIRATION HAZARD : Classification not possible  
 ENVIRONMENTAL HAZARDS  
   SHORT-TERM (ACUTE) AQUATIC HAZARDS : Category 2  
   LONG-TERM (CHRONIC) AQUATIC HAZARDS : Category 2  
   HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

SYMBOL



SIGNAL WORD

Danger

HAZARD STATEMENT

- Flammable liquid and vapor.
- Harmful if inhaled.
- Causes skin irritation.
- Causes serious eye irritation.
- Suspected of causing cancer.
- May damage fertility or the unborn child.
- Causes damage to organs.
- May cause drowsiness and dizziness.
- Causes damage to organs through prolonged or repeated exposure.
- Toxic to aquatic life with long lasting effects.

PRECAUTIONARY STATEMENTS

[PREVENTION]

- Do not handle until "SAFETY DATA SHEETS" has been read and understood well.
- Keep away from heat/sparks/open flames/hot surfaces.–No smoking.
- Avoid inhaling, swallowing, contact with eyes and skin. Wear safety glasses, gloves and face protection.
- Wash hands and face thoroughly and rinse mouth after handling.
- Avoid release to the environment.

[RESPONSE]

- IN CASE OF FIRE : Use carbon dioxide, dry chemical powder and foam for extinction.
- IN CASE OF MAJOR FIRE : Use foam and a large amount of water fog to extinguish.
- IF SWALLOWED : Rinse mouth. Do NOT induce vomiting.
- IF INHALED : Remove to fresh air and keep at rest in a position comfortable for breathing.
- IF ON SKIN : Wash with plenty of soap and water.
- IF IN EYES : Rinse cautiously for several minutes.

[STORAGE]

- IF EXPOSED OR CONCERNED : Get medical advice/attention.
- Keep container tightly closed and store in a well-ventilated place.

[DISPOSAL]

- Dispose of contents/container in accordance with national and regional regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS (The contents are representative values.)

SUBSTANCE/MIXTURE : Mixture

COMMON NAME(S),SYNONYM(S) OF THE SUBSTANCE

: —

UNIQUE IDENTIFIERS FOR THE SUBSTANCE

: Proprietary

COMPONENTS AND CONTENTS

: Dimer acid type polyaminoamide

Xylene

Ethylbenzene

Wt.%

70%

12%

18%

COMPONENTS WHICH CONTRIBUTE TO THE CLASSIFICATION OF THE SUBSTANCE AND  
HAZARDOUS INGREDIENT (S) – JAPANESE REGULATION-

	Wt.%
: Xylene	12%
Ethylbenzene	18%

#### 4. FIRST AID MEASURES

- IF INHALED : ·Remove to fresh air and keep at rest in a position comfortable for breathing.  
Get medical advice/attention, if you are experiencing respiratory symptoms.
- IF ON SKIN : ·Wipe with the soft paper or the cloth, etc. Wash with plenty of soap and  
water. Get medical advice/attention, if necessary.
- IF IN EYES : ·Rinse cautiously for 15 minutes or more. Get medical advice/attention  
immediately.
- IF SWALLOWED : ·After rinsing mouth immediately, give ca. 250ml of milk or water. Get medical  
advice/attention immediately. Do not induce vomiting.  
·Do not give anything by mouth to the victim when not conscious.  
·Vomiting is dangerous, because includes volatile substance.

#### 5. FIRE-FIGHTING MEASURES

- SUITABLE EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam, water fog
- UNSUITABLE EXTINGUISHING MEDIA : Water jet
- SPECIFIC EXTINGUISHING METHOD : ·Eliminate all ignition sources, and use suitable extinguishing media.  
·Spray water on the surrounding equipment for cooling.
- SPECIAL PROTECTIVE ACTION FOR FIRE- FIGHTERS : ·Extinguish from the windward to prevent poisonous gas from being inhaled.  
·Appropriate protective equipment (gloves, glasses, and mask) must be worn.

#### 6. ACCIDENTAL RELEASE MEASURES

- PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES : ·Wear appropriate protective equipment (gloves, safety goggle, etc.).  
·Use only non-sparking tools.  
·The spilled area is slippery.
- ENVIRONMENTAL PRECAUTIONS : ·Do not allow spillage out into the environment causing pollution e.g., rivers,  
waterways.
- METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP : ·Keep away from ignition sources and prepare a fire extinguishing agent.  
·Contain spillage by making on embankment of earth, sand, etc., and collect  
into container(s) by shoveling or vacuuming and take precautionary measures  
against static discharge.  
·In case of small spillage, absorb with sand, sawdust, etc.  
·In case of very small spillage, wipe clean with the rag, etc.  
·Keep container with collected material tightly closed until dispose. Waste  
should be disposed of as described in chapter "13. DISPOSAL CONSIDERATIONS".

#### 7. HANDLING AND STORAGE

##### HANDLING

##### TECHNICAL MEASURES

- : ·Handle in a well-ventilated area. Wear safety glasses, gloves and face  
protection, etc. Avoid direct contact.  
·Set local exhaust or general ventilation of as described in chapter "8.  
EXPOSURE CONTROLS/PERSONAL PROTECTION".

**PRECAUTIONS FOR SAFE HANDLING**

- : ·Wash hands and face thoroughly and rinse mouth after handling.
- In case to wash work clothes, gloves, shoes, etc. contaminated with the product, avoid contact with clothes.

**CONTACT AVOIDANCE**

- : ·Avoid contact with strong oxidizing agents, etc.
- Keep fire away.
- Avoid breathing vapor, fume and/or mist.

**STORAGE****CONDITIONS FOR SAFE STORAGE**

- : ·Keep container tightly closed and store in a well-ventilated place.
- Set up a Keep Fire Away-No Visitors sign.

**PACKAGING MATERIAL**

- : ·Store in original containers.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION****OCCUPATIONAL EXPOSURE LIMITS**

- ACGIH : Xylene : TWA 20ppm (1)
- Ethylbenzene : TWA 20ppm (1)

**APPROPRIATE ENGINEERING CONTROLS**

- : ·Establish the adequate local exhauster.
- Should handle in the closed unit.
- Use explosion-proof equipment and take precautionary measures against static discharge.
- Establish eye washing and body washing facilities near the work areas.

**PERSONAL PROTECTIVE EQUIPMENT**

- RESPIRATORY PROTECTION : ·Respirator with organic vapor cartridge or air-supplied respirator (if necessary)
- HAND PROTECTION : ·Impervious gloves
- EYE/FACE PROTECTION : ·Safety glasses
- SKIN AND BODY PROTECTION : ·Appropriate protective equipment (e.g. impermeable gloves, protective boots, etc.)

**9. PHYSICAL AND CHEMICAL PROPERTIES (representative values)****APPEARANCE (at 20°C)**

- PHYSICAL STATE : Liquid
- COLOR : Straw colored
- ODOR : Specific odor

**MELTING POINT/FREEZING POINT**

- : (Pour point)Below -10°C (14°F)

**BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE**

- : 138°C(280°F) (xylene) (2)

**FLAMMABILITY**

- : No data

**LOWER AND UPPER EXPLOSION LIMIT /FLAMMABILITY LIMIT**

- : Lower limit : 1.0vol.%, Upper limit; 7.0vol.% (xylene) (2)

**FLASH POINT**

- : 32°C (89.6°F) (Seta Closed Cup)

**AUTO-IGNITION TEMPERATURE**

- : 464°C (867.2°F) (xylene) (2)

**DECOMPOSITION TEMPERATURE**

- : No data

**pH**

- : No data

**KINEMATIC VISCOSITY**

- : 10000mPa·s(at 25°C)(Viscosity)

## SOLUBILITY

WATER SOLUBILITY	: Insoluble	
SOLUBLE SOLVENT	: Toluene Soluble	
PARTITION COEFFICIENT N-OCTANOL/WATER (LOG VALUE)	: No data	
VAPOUR PRESSURE	: 5.25mmHg (20°C) (xylene)	(2)
DENSITY AND/OR RELATIVE DENSITY	: 0.95(at 25°C)(Specific gravity)	
RELATIVE VAPOUR DENSITY	: No data	
PARTICLE CHARACTERISTICS	: No data	

## 10. STABILITY AND REACTIVITY

REACTIVITY	: No data
CHEMICAL STABILITY	: Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	: Reacts with strong oxidizing agents, etc. Reacts with epoxy resin. Neutralizes with acid materials and generates heat.
CONDITION TO AVOID	: No data
INCOMPATIBLE MATERIALS	: Acid materials, epoxy resins, strong oxidizing agents, etc.
HAZARDOUS DECOMPOSITION PRODUCTS	: No data
OTHERS	: No data

## 11. TOXICOLOGICAL INFORMATION (DATA for this product or similar product.)

ACUTE TOXICITY [ORAL]	: Classification not possible	
No data		
ACUTE TOXICITY [SKIN]	: Classification not possible	
No data		
ACUTE TOXICITY [INHALATION: GAS]	: No classification	
Not classified by the GHS definition of gas.		
ACUTE TOXICITY [INHALATION: VAPOR]	: Category 4	
[Xylene] Category 4		(3)
[Ethylbenzene] Category 4		(3)
ACUTE TOXICITY [INHALATION: DUST, MIST]	: Classification not possible	
No data		
SKIN CORROSION / IRRITATION	: Category 2	
[Xylene] Category 2		(3)
SERIOUS EYE DAMAGE/EYE IRRITATION	: Category 2	
[Xylene] Category 2		(3)
[Ethylbenzene] Category 2B		(3)
RESPIRATORY SENSITIZATION	: Classification not possible	
No data		
SKIN SENSITIZATION	: Classification not possible	
(reference) May cause sensitization to skin. (polyalkylenepolyamine)		(4)
GERM CELL MUTAGENICITY	: Classification not possible	
No data		
CARCINOGENICITY	: Category 2	
[Ethylbenzene] Category 2		(3)

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REPRODUCTIVE TOXICITY	: Category 1	
[Xylene] Category 1B		(3)
[Ethylbenzene] Category 1B		(3)
SPECIFIC TARGET ORGAN TOXICITY –SINGLE EXPOSURE	: Category 1(liver, kidneys, central nervous system, respiratory systems),Category 3(narcotic effects)	
[Xylene] Category 1 (nervous system, respiratory system, liver, kidneys), Category 3 (narcotic effects)		(3)
[Ethylbenzene] Category 3 (respiratory tract irritation, narcotic effects)		(3)
SPECIFIC TARGET ORGAN TOXICITY –REPEATED EXPOSURE	: Category 1(nervous system, respiratory systems, auditory organ)	
[Xylene] Category 1 (nervous system, respiratory system)		(3)
[Ethylbenzene] Category 1 (auditory organ, nervous system)		(3)
ASPIRATION HAZARD	: Classification not possible	
No data		

## 12. ECOLOGICAL INFORMATION (DATA for this product or similar product.)

SHORT-TERM (ACUTE) AQUATIC HAZARDS	: Category 2	
[Xylene] Category 2		(3)
[Ethylbenzene] Category 1		(3)
ECOTOXICITY	: No data	
LONG-TERM (CHRONIC) AQUATIC HAZARDS	: Category 2	
[Xylene] Category 2		(3)
[Ethylbenzene] Category 2		(3)
PERSISTENCE AND DEGRADABILITY	: No data	
BIOACCUMULATION POTENTIAL	: No data	
MOBILITY IN SOIL	: No data	
OTHER DATA	: No data	
HAZARDOUS TO THE OZONE LAYER	: Classification not possible	
No data		

## 13. DISPOSAL CONSIDERATIONS

·Dispose of contents/container in accordance with national and regional regulations.

## 14. TRANSPORT INFORMATION

UN NUMBER	: 1866
PROPER SHIPPING NAME	: RESIN SOLUTION flammable
UN CLASS	: 3
PACKING GROUP	: III
ENVIRONMENTAL HAZARDS	: Applicable
INTERNATIONAL REGULATIONS	
LAND	: Transport in accordance with national and regional regulations ( RID, ADR, DOT, etc.)
SEA	: Transport in accordance with IMDG Code.
AIR	: Transport in accordance with ICAO-TI/IATA-DGR.
EMERGENCY RESPONSE GUIDELINE NUMBER	: 128

## 15. REGULATORY INFORMATION

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

## 16. OTHER INFORMATION

## REFERENCES

- (1) TLVs and BEIs, ACGIH, 2023
- (2) Chemical Risk Information Platform (CHRIP), NITE
- (3) Results of the GHS classification, National Institute of Technology and Evaluation (NITE)
- (4) Data of The Japan Society of Epoxy Resin Technology

\* All specifications which were created based on the information which was available at the time and may be revised at anytime according to new information.

\* To the best of our knowledge, the information contained herein is accurate. However, SAN NOPCO LIMITED assumes no liability whatsoever for the accuracy or completeness of the information contained herein. All materials may present unknown health hazards and should be used with caution. Final determination of suitability of any material is the sole responsibility of the user.

## CONTACT

COMPANY : SAN NOPCO LIMITED

DEPARTMENT : Sales Department