

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : UCOAT UWS-145
SUPPLIER
NAME : SAN NOPCO LIMITED.
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DEPARTMENT : Quality Assurance Dept.
TELEPHONE NUMBER (INFORMATION) : +81-3-3500-3501 (Tokyo Sales Dept.)
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SDS No. : 088573105

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

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PHYSICAL HAZARDS

FLAMMABLE LIQUID : No classification

HEALTH HAZARDS

ACUTE TOXICITY (ORAL) : No classification

ACUTE TOXICITY (SKIN) : No classification

ACUTE TOXICITY (INHALATION: GAS) : No classification

ACUTE TOXICITY (INHALATION: VAPOR) : No classification

ACUTE TOXICITY (INHALATION: DUST, MIST) : Classification not possible

SKIN CORROSION / IRRITATION : Classification not possible

SERIOUS EYE DAMAGES / EYE IRRITATION : Classification not possible

RESPIRATORY SENSITIZATION : Classification not possible

SKIN SENSITIZATION : Classification not possible

GERM CELL MUTAGENICITY : Classification not possible

CARCINOGENICITY : Classification not possible

REPRODUCTIVE TOXICITY : Classification not possible

SPECIFIC TARGET ORGAN TOXICITY;
SINGLE EXPOSURE : Classification not possible

SPECIFIC TARGET ORGAN TOXICITY;
REPEATED EXPOSURE : Classification not possible

ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS

SHORT-TERM (ACUTE) AQUATIC HAZARDS : Classification not possible

LONG-TERM (CHRONIC) AQUATIC HAZARDS : Classification not possible

HAZARDOUS TO THE OZONE LAYER : Classification not possible

GHS LABEL ELEMENTS INCLUDING PRECAUTIONARY STATEMENTS

SYMBOL -

SIGNAL WORD -

HAZARD STATEMENT : -

PRECAUTIONARY STATEMENTS

- [PREVENTION] ·Do not handle until "SAFETY DATA SHEETS" has been read and understood well.
·Avoid inhaling, swallowing, contact with eyes and skin. Wear safety glasses, gloves and face protection.
- [RESPONSE] ·Wash hands and face thoroughly and rinse mouth after handling.
·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.
Remove contact lenses, if present and easy to do. Continue rinsing.
- [STORAGE] ·IF EXPOSED OR CONCERNED : Get medical advice/attention.
- [DISPOSAL] ·Keep container tightly closed and store in a well-ventilated place.
·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

: Mixture of polyurethane resin, water, etc.

UNIQUE IDENTIFIERS FOR THE SUBSTANCE

: Proprietary

COMPONENTS AND CONTENTS

: Trade secret

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

	Wt.%
: Acetone	0.5%
Triethylamine(Contains salt)	4%

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 : ·Wash immediately 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.

5. FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA : Carbon dioxide, dry chemical powder, foam, water fog
UNSUITABLE EXTINGUISHING MEDIA : -

SPECIFIC EXTINGUISHMENT 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.
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6. ACCIDENTAL RELEASE MEASURES**PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

- : ·Wear appropriate protective equipment (gloves, safety goggle, etc.).
- 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

- : ·Contain spillage by making on embankment of earth, sand, etc., and collect into container(s) by shoveling or vacuuming.
 - In case of small spillage, absorb with sand, sawdust, etc.
 - In case of very small spillage, wipe clean with the rag, etc.
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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.
- Do not use this product with cationic agents because this product is an anionic surfactant; otherwise, aggregation may occur and the product may not exhibit its expected performance.

STORAGE**CONDITIONS FOR SAFE STORAGE**

- : ·Keep container tightly closed and store in a well-ventilated place.
- Store below 35°C. If this product freeze or store above 35°C, deterioration may occur.

PACKAGING MATERIAL

- : ·Store in original containers.
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8. EXPOSURE CONTROLS / PERSONAL PROTECTION**OCCUPATIONAL EXPOSURE LIMITS**

ACGIH : Not established (1)

APPROPRIATE ENGINEERING CONTROLS

- : ·Establish the adequate local exhauster if vapor, dust or mist occurs.
- Establish eye washing and body washing facilities near the work areas.

PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : ·Not required under normal conditions.
 HAND PROTECTION : ·Impervious gloves
 EYE/FACE PROTECTION : ·Safety glasses
 SKIN AND BODY PROTECTION : ·Work clothes with long sleeves

9. PHYSICAL AND CHEMICAL PROPERTIES (representative values)

APPEARANCE (at 20°C)

- PHYSICAL STATE : Liquid
 COLOR : Pale yellow colored
 ODOR : Specific odor

MELTING POINT/FREEZING POINT

: (Pour point)-2°C (28.4°F)

BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE

: 100°C(212°F) (water)

FLAMMABILITY : No data

LOWER AND UPPER EXPLOSION LIMIT /FLAMMABILITY LIMIT

: No data

FLASH POINT : Not combustible (water of the product boils) (Cleveland Open Cup)

AUTO-IGNITION TEMPERATURE

: No data

DECOMPOSITION TEMPERATURE

: No data

pH : 9.8 (of this product)

KINEMATIC VISCOSITY : 370(at 25°C)

SOLUBILITY

WATER SOLUBILITY : Dispersive

PARTITION COEFFICIENT N-OCTANOL/WATER (LOG VALUE)

: No data

VAPOUR PRESSURE : No data

DENSITY AND/OR RELATIVE DENSITY

: 1.05(at 20°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.

CONDITION TO AVOID : No data

INCOMPATIBLE MATERIAL: Strong oxidizing agents, etc.

HAZARDOUS DECOMPOSITION PRODUCTS

: No data

OTHERS : Do not use this product with acids and cationic substances because aggregation may occur.

11. TOXICOLOGICAL INFORMATION (DATA for this product or similar product.)	
ACUTE TOXICITY [ORAL]	: No classification
LD50 > 2000 mg/kg (rat) (Not classified)	(2)
ACUTE TOXICITY [SKIN]	: No classification
[Polyurethane resin] Classify in 'Not classified', because this component is polymer.	
[Triethylamine] Category 3	(3)
[Acetone] Not classified	(3)
ACUTE TOXICITY [INHALATION: GAS]	: No classification
Not classified by the GHS definition of gas.	
ACUTE TOXICITY [INHALATION: VAPOR]	: No classification
[Polyurethane resin] Classify in 'Not classified', because this component is polymer.	
[Triethylamine] Category 4	(3)
[Acetone] Not classified	(3)
ACUTE TOXICITY [INHALATION: DUST, MIST]	: Classification not possible
No data	
SKIN CORROSION / IRRITATION	: Classification not possible
Non irritant (rabbit)(OECD) P.I.I= 0.0 (Not classified)	(2)
SERIOUS EYE DAMAGE/EYE IRRITATION	: Classification not possible
(reference) May cause eye irritation.	
RESPIRATORY SENSITIZATION	: Classification not possible
No data	
SKIN SENSITIZATION	: Classification not possible
No data	
GERM CELL MUTAGENICITY	: Classification not possible
No data	
CARCINOGENICITY	: Classification not possible
No data	
REPRODUCTIVE TOXICITY	: Classification not possible
[Acetone] Category 2	(3)
SPECIFIC TARGET ORGAN TOXICITY –SINGLE EXPOSURE	: Classification not possible
No data	
SPECIFIC TARGET ORGAN TOXICITY –REPEATED EXPOSURE:	: Classification not possible
No data	
ASPIRATION HAZARD	: Classification not possible
No data	

12. ECOLOGICAL INFORMATION (DATA for this product or similar product.)	
SHORT-TERM (ACUTE) AQUATIC HAZARDS	: Classification not possible
ECOTOXICITY : No data	
LONG-TERM (CHRONIC) AQUATIC HAZARDS	: Classification not possible
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 : Not applicable

PROPER SHIPPING NAME : Not applicable

UN CLASS : Not applicable

PACKING GROUP : -

ENVIRONMENTAL HAZARDS : Not 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 : 171

15. REGULATORY INFORMATION

INTERNATIONAL REGULATIONS

UNITED STATES INVENTORY (TSCA 8B)

: Contact our Sales Department.

CANADA INVENTORY (DSL) : Not listed

AUSTRALIA INVENTORY (AIIS)

: All components are listed or authorized to exempt from registration.

CHINA INVENTORY (IECSC) : All components are listed or authorized to exempt from registration.

JAPAN INVENTORY (ENCS) : All components are listed or authorized to exempt from registration.

PHILIPPINES INVENTORY (PICCS)

: All components are listed or authorized to exempt from registration.

KOREA INVENTORY (ECL) : Contact our Sales Department.

16. OTHER INFORMATION

REFERENCES

(1) TLVs and BEIs, ACGIH, 2020

(2) Results of Safety Testing Center

(3) Results of the GHS classification, National Institute of Technology and Evaluation (NITE)

* 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

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DEPARTMENT : Sales Department