

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.
 ·Keep away from flames and heat.
 ·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.

[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.
 Remove contact lenses, if present and easy to do. Continue rinsing.
 ·IF EXPOSED OR CONCERNED : Get medical advice/attention.

[STORAGE] ·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 : Substance

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

: Propylene oxide adduct of bisphenol-A(Average of moles of adducts =2)

UNIQUE IDENTIFIERS FOR THE SUBSTANCE

: 116-37-0

COMPONENTS AND CONTENTS

: -

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

: -

Wt.%

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.

5. FIRE-FIGHTING MEASURES

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

UNSUITABLE EXTINGUISHING MEDIA : -

SPECIFIC EXTINCTION 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.).

·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.

·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.

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.

STORAGE

CONDITIONS FOR SAFE STORAGE

: ·Keep container tightly closed and store in a well-ventilated place.

·Desirable storing condition: below 35°C.

·Set up a Keep Fire Away-No Visitors sign.

PACKAGING MATERIAL

: ·Store in original containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OCCUPATIONAL EXPOSURE LIMITS

ACGIH : Not established

APPROPRIATE ENGINEERING CONTROLS

(1)

- : ·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 : Colorless~Pale yellow colored
- ODOR : Almost odorless

MELTING POINT/FREEZING POINT

: (Pour point)20~25°C (68~77°F)

BOILING POINT OR INITIAL BOILING POINT AND BOILING RANGE

: No data

FLAMMABILITY : No data**LOWER AND UPPER EXPLOSION LIMIT /FLAMMABILITY LIMIT**

: No data

FLASH POINT : 252°C (485.6°F) (Cleveland Open Cup)**AUTO-IGNITION TEMPERATURE**

: No data

DECOMPOSITION TEMPERATURE

: No data

pH : 6.8 (14% water/isopropyl alcohol solution)**KINEMATIC VISCOSITY** : 1200mm²/s(at 60°C)**SOLUBILITY**

WATER SOLUBILITY : Insoluble

PARTITION COEFFICIENT N-OCTANOL/WATER (LOG VALUE)

: No data

VAPOUR PRESSURE : No data**DENSITY AND/OR RELATIVE DENSITY**

: 1.09(at 60°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 : No data

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

Date revised : March 28, 2022

ACUTE TOXICITY [ORAL] LD50> 2000 mg/kg (rat) (Not classified)	: No classification	(2)
ACUTE TOXICITY [SKIN] No data	: Classification not possible	
ACUTE TOXICITY [INHALATION: GAS] Not classified by the GHS definition of gas.	: No classification	
ACUTE TOXICITY [INHALATION: VAPOR] No data	: Classification not possible	
ACUTE TOXICITY [INHALATION: DUST, MIST] No data	: Classification not possible	
SKIN CORROSION / IRRITATION Mild irritant (rabbit) (OECD) (Not classified)	: No classification	(2)
SERIOUS EYE DAMAGE/EYE IRRITATION (reference) May cause eye irritation.	: Classification not possible	
RESPIRATORY SENSITIZATION No data	: Classification not possible	
SKIN SENSITIZATION No data	: Classification not possible	
GERM CELL MUTAGENICITY (reference) Negative (Ames)	: Classification not possible	(2)
CARCINOGENICITY No data	: Classification not possible	
REPRODUCTIVE TOXICITY No data	: Classification not possible	
SPECIFIC TARGET ORGAN TOXICITY –SINGLE EXPOSURE No data	: Classification not possible	
SPECIFIC TARGET ORGAN TOXICITY –REPEATED EXPOSURE No data	: Classification not possible	
ASPIRATION HAZARD No data	: Classification not possible	

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

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

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)

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

CANADA INVENTORY (DSL) : All components are listed or authorized to exempt from registration.

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)

: Not listed

KOREA INVENTORY (ECL) : Not listed

16. OTHER INFORMATION

REFERENCES

- (1) TLVs and BEIs, ACGIH, 2020
- (2) Results of Safety Testing Center

* 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.

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