

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PELESTAT VH230
MANUFACTURER
NAME : Sanyo Chemical Industries, Ltd.
ADDRESS : 11-1, Ikkyo Nomoto-cho, Higashiyama-ku, Kyoto 605-0995, Japan
DEPARTMENT : Products Evaluation Dept.
EMERGENCY TELEPHONE NUMBER : +81-(0)75-541-4330
TELEPHONE NUMBER (INFORMATION) : +81-(0)3-5200-3478 (Tokyo office)
FAX NUMBER : +81-(0)3-3279-3139 (Tokyo office)
SDS No. : 080700003

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

GHS CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

PHYSICAL HAZARDS

FLAMMABLE LIQUIDS : Not applicable

HEALTH HAZARDS

ACUTE TOXICITY (ORAL) : Not classified

ACUTE TOXICITY (SKIN) : Not classified

ACUTE TOXICITY (INHALATION: GAS) : Not applicable

ACUTE TOXICITY (INHALATION: VAPOR) : Not classified

ACUTE TOXICITY (INHALATION: DUST, MIST) : Not classified

SKIN CORROSION / IRRITATION : Not classified

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; : Classification not possible

SINGLE EXPOSURE

SPECIFIC TARGET ORGAN TOXICITY; : Classification not possible

REPEATED EXPOSURE

ASPIRATION HAZARD : Classification not possible

ENVIRONMENTAL HAZARDS

AQUATIC TOXICITY (ACUTE) : Classification not possible

AQUATIC TOXICITY (CHRONIC) : 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.
 ·Keep away from flames and heat.
 ·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.
 ·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

CHEMICAL NAME : Polyether-polyolefin block copolymer

COMPONENTS AND CONTENTS Wt.%

-

CAS RN#

Proprietary

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 : ·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 : 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

- : ·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.
- Collect spillage into container(s) by sweeping, shoveling, etc. avoiding creation of dust.
- Remove spillage by vacuuming, etc. avoiding creation of dust.
- (In case of the melt, do after solidifying)

7. HANDLING AND STORAGE

HANDLING

TECHNICAL MEASURES

- : ·Handle in a well-ventilated area. Wear safety glasses, gloves and face protection, etc. Avoid direct contact.

LOCAL-VENTILATION/WHOLE-VENTILATION

- : ·Set local exhaust or general ventilation of as described in chapter "8. EXPOSURE CONTROLS/PERSONAL PROTECTION".

NOTES

- : ·Avoid contact with strong oxidizing agents, etc.
- Keep fire away.
- May form explosive dust-air mixtures.

SAFETY TREATMENT NOTES

- : ·Wash hands and face thoroughly and rinse mouth after handling.

STORAGE

CONDITION FOR SAFE STORAGE

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

PACKAGING MATERIAL

- : ·Pack these products in a bag under moisture-proof conditions because they have some hygroscopic properties.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

FACILITY AND EQUIPMENT MEASURES

- : ·Establish the adequate local exhauster if vapor, dust or mist occurs.
- Use explosion-proof equipment and take precautionary measures against static discharge in case of explosive dust-air mixtures.
- Establish eye washing and body washing facilities near the work areas.

OCCUPATIONAL EXPOSURE LIMITS

ACGIH : Not established

(1)

PERSONAL PROTECTIVE EQUIPMENT

- RESPIRATORY PROTECTION : ·Not required under normal conditions.
- HAND PROTECTION : ·Impervious gloves
- EYE 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	: Pellet
COLOR	: Pale yellow
ODOR	: Slightly specific odor
pH	: No data
BOILING POINT	: No data
MELTING POINT	: 163°C (325.4°F)
FLASH POINT	: Not combustible at 230°C (446°F) (Cleveland Open Cup)
AUTO-IGNITION TEMPERATURE	
	: No data
EXPLOSIVE PROPERTIES	: No data
SPECIFIC GRAVITY	: 1.00(at 20°C)
SOLUBILITY	
	: Water ... Insoluble
	: Hot xylene...Soluble
	: Acetone...Insoluble
VISCOSITY	: No data
VAPOR PRESSURE	: No data
DECOMPOSITION TEMPERATURE	
	: No data
OCTANOL/WATER PARTITION COEFFICIENT	
	: No data

10. STABILITY AND REACTIVITY

STABILITY	: Stable under normal conditions.
POSSIBILITY OF HAZARDOUS REACTIONS	
	: React 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.)

ACUTE TOXICITY [ORAL]	: Not classified	
LD50 > 2000 mg/kg (rat) (Not classified)		(2)
ACUTE TOXICITY [SKIN]	: Not classified	
Classify in 'Not classified', because this product is polymer.		
ACUTE TOXICITY [INHALATION: GAS]	: Not applicable	
Not classified by the GHS definition of gas.		
ACUTE TOXICITY [INHALATION: VAPOR]	: Not classified	
Classify in 'Not classified', because this product is polymer.		
ACUTE TOXICITY [INHALATION: DUST, MIST]	: Not classified	
Classify in 'Not classified', because this product is polymer.		
SKIN CORROSION / IRRITATION	: Not classified	
Non irritant (rabbit) (Not classified)		(2)
SERIOUS EYE DAMAGE/EYE IRRITATION	: Classification not possible	
(reference) Vapor or fume from molten material causes eye irritation.		
RESPIRATORY SENSITIZATION	: Classification not possible	
No data		
SKIN SENSITIZATION	: Classification not possible	

No data		
GERM CELL MUTAGENICITY	: Classification not possible	
(reference) Negative (Ames) (OECD)		(2)
CARCINOGENICITY	: Classification not possible	
IARC : Not listed on IARC Monographs.		(3)
REPRODUCTIVE TOXICITY	: Classification not possible	
No data		
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.)

AQUATIC TOXICITY [ACUTE]	: Classification not possible	
ECOTOXICITY	: No data	
AQUATIC TOXICITY [CHRONIC]	: Classification not possible	
PERSISTENCE/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

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.

UN CLASSIFICATION

UN CLASS : Not applicable

UN NO. : Not applicable

PROPER SHIPPING NAME

: Not applicable

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) : Not listed

AUSTRALIA INVENTORY (AICS)

: Not listed

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

16. OTHER INFORMATION

REFERENCES

- (1) TLVs and BEIs, ACGIH, 2011
- (2) Results of Safety Testing Center
- (3) A publication of Japan Chemical Industry Ecology-Toxicology & Information Center (JETOC)

* 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, Sanyo Chemical Industries, Ltd. 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 : Sanyo Chemical Industries, Ltd.

DEPARTMENT : Sales Department