

SAFETY DATA SHEET

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME : PELECTRON AS
MANUFACTURER
NAME : Sanyo Chemical Industries, Ltd.
ADDRESS : 11-1, Ikkyo Nomoto-cho, Higashiyama-ku, Kyoto 605-0995, Japan
DIVISION TO BE CONTACTED
DEPARTMENT : Products Evaluation Department
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. : 083990001

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: VAPOUR) : 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;
SINGLE EXPOSURE : Classification not possible

SPECIFIC TARGET ORGAN TOXICITY;
REPEATED EXPOSURE : Classification not possible

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-ester-amide block copolymer

COMPONENTS AND CONTENTS Wt.%

-

CAS RN#

Proprietary

HAZARDOUS INGREDIENT (S)

-

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

PACKAGING MATERIAL

- : ·Store in original containers.

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 : Particles (insoluble or poorly soluble) Not Otherwise Specified [PNOS] : TWA (1)
10mg/m³(1)

PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY PROTECTION : ·Wear dust mask. Use an approved dust respirator for concentration in excess of the applicable exposure limit.

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
 COLOUR : Pale yellow
 ODOR : Slightly specific odor
 pH : No data
 BOILING POINT : No data
 MELTING POINT : 195°C (383°F)
 FLASH POINT : Not combustible (Decomposes) (Seta Closed Cup)
 AUTO-IGNITION TEMPERATURE : No data
 EXPLOSIVE PROPERTIES : No data
 SPECIFIC GRAVITY : 1.10(at 20°C)
 SOLUBILITY : Water ··· 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: VAPOUR] : 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 may cause eye irritation. Powder may mechanically injure cornea.
 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
 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
 No data
 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)
 : Contact our Sales Department.
 CANADA INVENTORY (DSL) : Not listed
 AUSTRALIA INVENTORY (AICS)

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 : Not listed
CHINA INVENTORY (IECSC) : Contact our Sales Department.
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, 2012
- (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

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DEPARTMENT : Sales Department