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This document covers safety data concerning the following products:
PALBOARD™
PALIGHT®
PALIGHT® EPS
PALIGHT® Trimboard
PALIGHT® Marine
PALFOAM™
PALTOP™

Compliance with EU Regulation 1907/2006 (REACH)
The sheets manufactured by Palram are exempted from the requirement of the REACH regulation to provide customers with a Safety Data Sheet (EU No. 1907/2006, article 31) since they are defined as "articles." The information herein is provided by Palram as courtesy to its customers and a part of its service efforts. The sheets do not contain any substances on the candidate list for inclusion in Annex XIV of REACH above the threshold level of 0.1% by weight of the article.

1. Identification of the Article and the Company

1.1. Identification of the Article

| Trade Names | PALBOARD™, PALIGHT®, PALIGHT® EPS, PALIGHT® Trimboard, PALIGHT® Marine, |
| Product Name | PALFOAM™, PALTOP™ |
| Material Name | Foamed Rigid Polyvinyl Chloride sheets |
| CAS Number | 9002-86-2 |
| UN Number | None |
| RTECS | X1007407-8 |
| Material Synonyms | PVC |
| NFPA Ratings | Health=1, Fire=0, Reactivity=0 |

1.2. Company Identification & Contact

| Local: Call your nearest poison control center. |

2. Composition / Information of Ingredients

Tin stabilized PVC sheets, 2.5% by weight tin-mercaptide based stabilizer. Pigments and additives used to enhance specific properties are encapsulated in the polymer resin matrix. No solvents. No plasticizers. No cadmium, lead, or other heavy metals used.

3. Hazards Identification

No particular hazards known.

3.1. Health Hazard Data

3.1.1 Effects of a Single Overexposure

Swallowing : non-relevant
Skin absorption : non-relevant
Inhalation : non-relevant
Skin contact : Exposure is not expected to cause adverse health effects
Eye contact : non-relevant

In as much as Palram Industries has no control over the use to which others may put the material, it does not guarantee that the same results as those described herein will be obtained. Each user of the material should make his own tests to determine the material's suitability for his own particular use. Statements concerning possible or suggested uses of the materials described herein are not to be construed as constituting a license under any Palram Industries patent covering such use or as recommendations for use of such materials in the infringement of any patent. Palram Industries or its distributors cannot be held responsible for any losses incurred through incorrect installation of the material. In accordance with our company policy of continual product development you are advised to check with your local Palram Industries supplier to ensure that you have obtained the most up to date information.
3.1.2 Effects of a Repeated Overexposure - None currently known
3.1.3 Medical Conditions Aggravated by Overexposure - None currently known
3.1.4 Other Effects of Overexposure - None currently known

4. First Aid Measures
In general handling the material will not cause accidents.

4.1. Inhalation
Route of entry – inhalation: No
If exposed to combustion fumes in high concentration - bring victim to fresh air.
Medical attention needed.

4.2. Ingestion
Route of entry – ingestion: No

4.3. Skin Contact
Burns resulting from accidental contact with molten material must be flushed immediately with cold water. Do not remove the polymer from the skin. Medical attention needed.

4.4. Skin Absorption
Route of entry – skin: No

4.5. Eye Contact
Like any foreign body, can cause mechanical irritation. Consult physician.

4.6. Notes for Physician
There are no specific notes.

5. Fire Fighting Measures

5.1. Extinguishing Media
Water spray or CO₂. CO₂ is less recommended due to lack of cooling capacity.

5.2. Extinguishing Media To Avoid
No information currently available.

5.3. Special Fire Fighting Procedures
Personnel without suitable respiratory apparatus should leave the affected area to prevent exposure to toxic or combustible gases.

5.4. Special Protective Equipment for Firefighters
Positive-pressure self-contained breathing apparatus, protective clothing, gas mask approved for acid vapors.

5.5. Unusual Fire and Explosion Hazards
PVC is a self-extinguishing fire retardant material, that being exposed to open fire and high temperatures decomposes emitting large quantities of HCl, which tends to extinguish the flames. It does not continue to burn after ignition without an external fire source. HCl has a strong acidic odor that causes sensory alert at very low concentrations. HCl odor threshold = 0.77 ppm. Exposure to high concentrations of HCl will cause irritation of the respiratory passages, at very high concentrations may cause burns to mucous membranes. OSHA legal airborne PEL is 5 ppm, not to be exceeded at any time. ACGIH recommended airborne exposure limit is 5 ppm, which should not be exceeded at any time. Soot emitted when PVC is forced to burn may obscure visibility.

6. Accidental Release Measures
No special precautions and no personal protective equipment needed. Collect mechanically for disposal.
7. Handling and Storage

7.1. Handling
General handling precautions
Avoid mechanical contact with eyes.

Ventilation
General (mechanical) room ventilation is expected to be satisfactory where this product is stored and handled.

Other precautions
No explosion hazard. In the event of fire, cool and overlap product with water. Static electricity discharge sparks possible during handling. Avoid contact or vicinity of flammable materials.

7.2. Storage
Store in a cool shady area. No special technical protective measures required.

8. Exposure Controls / Personal Protection

8.1. Exposure Limits
No occupational exposure limits established by OSHA, ACGIH, or NIOSH.

8.2. Personal Protection
Respiratory protection: No special protection needed
Hand protection / protective gloves: No special protection needed
Eye protection: No special protection needed
Other protective equipment: No special protection needed

9. Physical Properties
Appearance: Flat and corrugated opaque foamed plastic sheets
Physical State: Solid
Color: White or colored
Odor: None
Density: 0.4-1.0 gr/cm³
Heat Deflection: 62 - 65°C (144°F - 149°F)
Boiling Point, 760 Hg: Not relevant
Viscosity: Not relevant
Solubility in Water: <0.1g/100mL at 23°C
pH Value: Not relevant
Flash Point: 391°C (735°F) ASTM D 1929
Autoignition Temp.: 454°C (849°F) ASTM D 1921
Flammability Limit: None
Explosion Limits: None
Evaporation Rate: Not relevant
Percent Volatiles: Not relevant
10. Stability and Reactivity

10.1. Stability
Stable.

Conditions to avoid
Excessive heat, or open flame. Temperature above 150°C (302°F) will decompose raw polymer resin and liberate HCl.

Incompatible materials
Oxidizing agents or strong mineral acids can cause reaction.

Thermal decomposition
Begins above 150°C (302°F) caused by fire, overheating during improper processing. Fumes damaging to health may be released.

Hazardous decomposition products
Burning can produce the following combustion products:
- Carbon monoxide (CO) - is highly toxic if inhaled, present in combustion fumes of all organic materials;
- Carbon dioxide (CO₂) - in sufficient concentrations can act as an asphyxiant, present in combustion fumes of all organic materials;
- Hydrogen chloride (HCl) - in high concentrations causes irritation of the respiratory passages, at very high concentrations may cause burns to mucous membranes.

10.2. Reactivity
Hazardous polymerization: Will not occur
Hazardous reactions: None

11. Toxicological Information
PVC materials have a very low acute toxicity. In rats an acute LD₅₀ > 10 gr/kg of body weight.
PNEUMOCONIOSIS has been described from inhalation of combustion products (effects of overexposure). Industrial hygiene studies have shown that under normal and expected conditions of use of PVC materials, exposures are well below applicable limits.

11.1. Acute Toxicological Information
Acute oral toxicity: None
Acute percutaneous toxicity: None
Acute vapor exposure: None
Primary skin irritation: No irritation
Eye irritation: No irritation
Sensitization: No information available
Chronic effects: Unknown
Carcinogenicity - NTP: Not listed
Carcinogenicity - IARC: Not listed
Carcinogenicity - OSHA: Not listed

11.2. Other Toxicological Information
No known toxicological effects with normal use. For heating see section 10.

11.3. Additional Information
No additional toxicity information currently available.

12. Ecological Information

12.1. Persistence and Degradability
Detailed studies have not been conducted concerning the environmental fate of the product. According to present knowledge no unfavorable ecological effects are to be expected. Not generally hazardous to water. Insoluble in water, non-toxic solid.
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16. Other Information

Recommended Uses And Restrictions
Please consult the relevant product and/or application information for this product.

Further Information
Additional information on this product may be obtained by calling your PALRAM Sales or Customer Service Contact.

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