

Material Safety Data Sheet

CEE 91/155 and CEE/93/112 Directives

ORTHO PLUS

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1. Identification of the substance/device :

1.1 Device name : **PLAQUES ACE**

2. Composition, information on ingredients:

Composition	CAS N°	wt%
2.1 Trade secret	proprietary	5%
2.2 Copolyester	proprietary	95%

3. Hasards identification:

OSHA status : non hazardous

Caution : molten material will produce thermal burns.

HMIS Hazard Ratings : Health – 1, Flammability – 1, Chemical Reactivity – 0

HMIS Rating involves data interpretations that may vary from company to company. They are intended only for rapid, general identification of the magnitude of the specific hazard. To deal adequately with the safe handling of this material, all the information contained in this MSDS must be considered.

4. First aid measures:

- ✓ Inhalation: if symptomatic, move to fresh air. Get medical attention if symptoms persist.
- ✓ Eyes: if molten material contacts the eye, immediately flush with plenty of water for at least 15 minutes. If easy to do remove contact lenses. Get medical attention immediately.
- ✓ Skin: if burned by contact with molten material, cool as quickly as possible. Do not peel material from skin. Get medical attention.
- ✓ Ingestion: material is not expected to be absorbed from the gastrointestinal tract so that induction of vomiting should not be necessary.
- ✓ Note to physicians: burns should be treated as thermal burns. The material will come off as healing occurs; therefore, immediate removal from the skin is not necessary.

5. Fire fighting measures:

- **Extinguishing Media:** water spray, dry medical.
- **Special Fire-Fighting Procedures:** wear self-contained breathing apparatus and protective clothing.
- **Hazardous Combustion Products:** carbon dioxide, carbon monoxide.
- **Unusual Fire and Explosion Hazards:** powdered material may form explosive dust-air mixtures.

6. Accidental release measures:

Sweep or scoop up and remove.

7. Handling and storage:

- ✓ **Personal Precautionary Measures:** avoid contact with molten material.
- ✓ **Prevention OF Fire and Explosion:** keep from contact with oxidizing materials. Minimize dust generation and accumulation. In the United States of America refer to NFPA Pamphlet N° 654, "Prevention of Fire and Dust Explosions in the Chemical, Dye, Pharmaceutical and Plastics Industries".
- ✓ **Storage:** keep container closed.

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8. Exposure controls/personal protection:

Country specific exposure limits have not been established or are not applicable unless listed below.

- ✓ **Ventilation:** good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed system, spaces mechanical generation of dusts, heating, drying, etc.
- ✓ **Respiratory Protection:** if engineering controls do not maintain airborne concentrations to an acceptable level, an approved respirator must be worn. In the United States of America, if respirators are used, a program should be instituted to assure compliance with OSHA Standard 63 FR 1152, January 8, 1998. Respirator type: dust, organic vapor.
- ✓ **Eye Protection:** wear a face shield when working with molten material.
- ✓ **Skin protection:** when material is heated, wear gloves to protect against thermal burns.
- ✓ **Recommended Decomposition Temperature:** eye bath, washing facilities.

9. Physical and chemical properties:

- ✓ **Physical form:** solid (sheets)
- ✓ **Color:** varies with formulation
- ✓ **Odor:** odorless
- ✓ **Specific gravity:** >1
- ✓ **Softening point:** varies with formulation
- ✓ **Solubility in water:** negligible
- ✓ **Flash point:** not applicable, combustible solid
- ✓ **Thermal decomposition temperature:** thermal stability not tested. Low stability hazard expected at normal operating temperatures.

10. Stability and reactivity:

- **Stability :** stable
- **Incompatibility:** material reacts with strong oxidizing agents
- **Hazardous polymerization:** will not occur

11. Toxicological information:

Acute Toxicity data if available are listed below. Additional toxicity data may be available on request.

12. Ecological information:

Acute Toxicity data if available are listed below. Additional toxicity data may be available on request.
This material has not been tested for environmental effects.

13. Disposal considerations:

Discharge, treatment, or disposal may be subject to national, state, or local laws. Incinerate.

14. Transport information:

- ✓ **Marine pollutant components:** none unless listed below
- ✓ **DOT (USA):** class not regulated
- ✓ **ICAO status:** class not regulated
- ✓ **IMDG status:** class not regulated

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15. Regulatory information:

WHMIS (Canada) status : noncontrolled

SARA 313 : none unless listed below

Carcinogenicity Classification (components present at 0.1% or more) : none unless listed below

TSCA (US Toxic Substances Control Act): this product is listed on the TSCA Inventory. Any impurities present in this product are exempt from listing.

DSL (Canadian Domestic Substances List) and CEPA (Canadian Environmental Protection Act): this product is listed on the DSL. Any impurities present in this product are exempt from listing.

EINECS (European Inventory of Existing Commercial Chemical Substances): this product is listed on the EINECS. Any polymer present in this product has regulatory clearance under Directive of the European Union.

AICS/NICNAS (Australian Inventory of Chemical Substances and National Industrial Chemicals Notification and Assessment Scheme): this product is listed on AICS or otherwise complies with NICNAS.

MITI (Japanese Handbook of Existing and New Chemical Substances): this product is listed in the Handbook or has been approved in Japan by new substance notification.

ECL (Korean Toxic Substances Control Act): this product is listed on the Korean inventory or otherwise complies with the Korean Toxic Substances Control Act.

16. Other information:

- Recommended use

While the information and recommendations set forth on this data sheet are believed to be accurate as received from our suppliers, ORTHO PLUS makes no warranty with respect thereto and disclaims all liability from reliance thereon.

As of the data given herein, it is given without acceptance of liability for loss, damage of injury to the buyer or the third party arising out of their use.