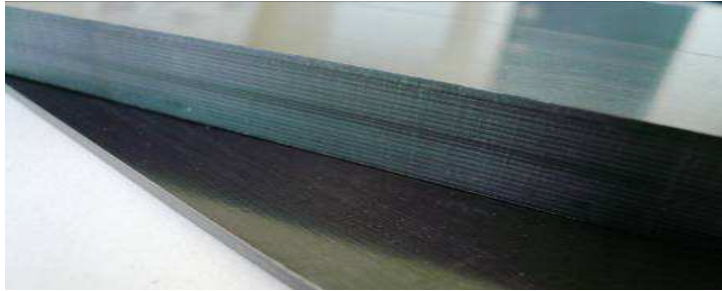


5380 Overpass Rd.
Santa Barbara 93111, CA
United States of America

Phone: +1 (805) 364-2131
Email: asa@olimunllum.com

MATERIAL SAFETY DATA SHEET (MSDS)

Olimunllum® QI-Grade



Product Identification

Product ID: OLIMUNLLUM QI-CF/PEEK CONSOLIDATED COMPOSITE
MSDS Date: 12/06/2009
MSDS Number: MSDS-090612-02

Responsible Party

Company Name: OLIMUNLLUM AMERICA LLC.
Address: 5380 OVERPASS RD
City: SANTA BARBARA
ZIP: 93111
Country: US
Info Phone Num: +1 (805) 364-2131
Contractor Identification:
Company Name:
City:
ZIP:
Country:

Composition/Information on Ingredients

Ingred (1) Name: POLYETHERETHERKETONE (97-99%), STABILIZERS(1-3%)
CAS: 31694-16-3
Fraction by Wt: 34-38%
Ingred (2) Name: Carbon fiber on basis polyacrylonitrile (PAN)
CAS: 7440-44-0
Fraction by Wt: 66-62%
THIS SHEET ONLY DESCRIBES SAFETY-RELEVANT DATA

Physical/Chemical Properties

Melt Pt: 343C
Spec Gravity: 1.6 +/- .2
Solubility in Water: INSOLUBLE
Appearance and Odor: GREY BROWN ODORLESS CONSOLIDATED COMPOSITE.
Percent Volatiles by Volume: NEGLIG

Hazards Identification

Routes of Entry: Inhalation: YES Skin: NO Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: INHAL: PARTICULATE FILLERS CAN IRRITATE UPPER RESPIRATORY PASSAGES. OTHER: PARTICULATE FILLER ARE INERT, HOWEVER, ABRASIVE & IRRITANT CHARACTERISTICS MAY BE NOTED

AFTER PARTICULATE CONTACT W/SKIN OR MUCOUS MEMBRANES & NOSE.

Explanation of Carcinogenicity: NOT RELEVANT.

Effects of Overexposure: NONE SPECIFIED BY MANUFACTURER.

Medical Cond. Aggravated by Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid Measures

First Aid: SKIN: WASH MATERIAL OFF W/PLENTY OF SOAP & WATER. IF REDNESS, ITCHING OR BURNING SENSATION DEVELOPS, GET MD. FOR THERMAL BURNS, COOL QUICKLY W/WATER & GET MD. DO NOT PEEL OFF SOLIDIFIED MATERIAL.
EYE: IMMEDIATELY FLUSH W/PLENTY OF WATER FOR AT LEAST 15 MINS & HAVE EYES EXAMINED & TREATED BY MD. INHAL: REMOVE TO FRESH AIR. SUPPORT BREATHING (GIVE O2/ARTF RESP) . INGEST: CALL MD IMMED .

Fire Fighting Measures

Extinguishing Media: WATER FOG, FOAM, CARBON DIOXIDE & DRY CHEMICAL.
Fire Fighting Procedures: WEAR NIOSH/MSHA APPROVED SCBA & FULL PROTECTIVE EQUIPMENT.

Unusual Fire/Explosion Hazard: PRODUCT WILL BURN.

SMOKE EMISSION IS LOW. DUST REQUIRES HIGH TEMPERATURE IGNITION SOURCE TO IGNITE.

Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

Accidental Release Measures

Spill Release Procedures: NO SPECIAL PRECAUTIONS REQUIRED.

Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions: STORE IN A COOL, DRY WAREHOUSE.

Other Precautions: NONE SPECIFIED BY MANUFACTURER.

Exposure Controls/Personal Protection

Respiratory Protection: IF NEEDED USE A NIOSH/MSHA APPROVED RESPIRATOR FOR DUST & VAPORS.

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Ventilation: PROVIDE LOCAL EXHAUST TO REMOVE DECOMPOSITION FUMES & CONTROL EXPOSURE LEVELS.

Protective Gloves: IMPERVIOUS GLOVES.
Eye Protection: CHEMICAL WORKERS GOGGLES.
Other Protective Equipment: IMPERVIOUS APRON FOR PROTECTION FROM THERMAL EFFECTS WHEN HANDLING MOLTEN MATERIAL.
Work Hygienic Practices: NONE SPECIFIED BY MANUFACTURER.
Supplemental Safety and Health: NONE SPECIFIED BY MANUFACTURER.

Stability and Reactivity Data

Stability Indicator/Materials to Avoid: YES/CONCENTRATED SULFURIC ACID.

Stability Condition to Avoid: NONE SPECIFIED BY MANUFACTURER.

Hazardous Reactions: Reactions with strong oxidizing agents. Accumulation of fine dust may entail the risk of a dust explosion in the presence of air.

Hazardous Decomposition Products: CARBON MONOXIDE & CARBON DIOXIDE.

Disposal Considerations

Waste Disposal Methods: DISPOSAL PROCEDURES FOR SOLID WASTE IN ACCORDANCE W/LOCAL, STATE & FEDERAL REGULATIONS. With respect to local regulations, e.g. dispose of to suitable waste incineration plant. DISCARDED PRODUCT IS NOT A HAZARDOUS WASTE UNDER RCRA 40 CFR 261.

Ecological Considerations

The product is a water-insoluble, solid polymer which, under environmental conditions, is not expected to have a detrimental effect on plants, animals or microorganisms.

Transport Considerations

Classification according to ADR: NO DANGEROUS GOODS

Classification according to IMDG: NOT CLASSIFIED AS "DANGEROUS GOODS"

Classification according to IATA: NOT CLASSIFIED AS "DANGEROUS GOODS"

Regulatory Considerations

Labeling Not subject to labeling provisions by GHS.

Disclaimer: This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship. Any person utilizing this document should seek competent professional advice to verify and assume responsibility for the suitability of this information to their particular situation.