



ThermaShield IRR

MATERIAL SAFETY DATA SHEET

TRANSPORTATION EMERGENCY

CALL CHEMTREC: 800-424-9300

INTERNATIONAL: 703-527-3887

NON-TRANSPORTATION

I.R.I.S. EMERGENCY PHONE: (602)-619-2215

I.R.I.S. INFORMATION PHONE: (623)-256-0648

1. CHEMICAL PRODUCT IDENTIFICATION:

PRODUCT NAME.....: ThermaShield IRR

PRODUCT CODE.....: IRIS02

CHEMICAL FAMILY.....: Waterborne Acrylic Architectural Coating.

CHEMICAL NAME.....: Acrylic Polymer Emulsion

SYNONYMS.....: Acrylic Coating, Acrylic Architectural Coating
Acrylic Paint.

2. COMPOSITION & INFORMATION ON INGREDIENTS:

INGREDIENT NAME	CAS NUMBER	TLV-PEL EXPOSURE LIMIT	BY WEIGHT
Water	7732-18-5	N.A.	<35.0%
Titanium Dioxide	13463-67-7	15mg/m ²	<10.0%
Calcium Carbonate	1317-65-3	15mg/m ²	<40.0%
Acrylic Resin	Proprietary	N.E.	<40.0%

3. HAZARDS IDENTIFICATION:

POTENTIAL HEALTH EFFECTS:

ROUTE(S) OF ENTRY.....: Inhalation; Skin Contact; Eye Contact; Ingestion.

HUMAN EFFECTS AND SYMPTOMS OF OVEREXPOSURE:

ACUTE INHALATION.....: May cause respiratory tract irritation.

CHRONIC INHALATION.....: Not Determined.

ACUTE SKIN CONTACT.....: Substance, may cause slight skin irritation.

CHRONIC SKIN CONTACT.....: Not Determined.

ACUTE EYE CONTACT.....: May cause slight irritation.

CHRONIC EYE CONTACT.....: Not Determined.

ACUTE INGESTION.....: Irritating to mouth, throat and stomach.

CHRONIC INGESTION.....: Not Determined.

CARCINOGENICITY.....: This product is not listed by NTP, IARC or regulated as Carcinogen by OSHA.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None Known.

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4. FIRST AID MEASURES:

FIRST AID FOR EYES.....: Flush eye with water for 15 minutes. Get medical attention.

FIRST AID FOR SKIN.....: Remove contaminated clothing and shoes. Wash affected area(s) thoroughly with soap and water. If irritation persists, seek medical attention.

FIRST AID FOR INHALATION...: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

FIRST AID FOR INGESTION: If swallowed, DO NOT induce vomiting. Give victim one glass of water. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person. Should vomiting occur, be sure to keep victims head below hips to avoid aspiration of vomit into lungs.

NOTE TO PHYSICIAN.....: EYES: None.
SKIN: None.
INGESTION: None.
INHALATION: None.

5. FIRE FIGHTING MEASURES:

FLASH POINT:: 220°F Setflash (ASTM D-3243, D-3278, D-3828)

FLAMMABLE LIMITS.....: UPPER EXPLOSIVE LIMIT (UEL)(%): Not established.
LOWER EXPLOSIVE LIMIT (LEL)(%): Not established.

AUTO-IGNITION TEMPERATURE:.....: Not Determined - DIN 51794

EXTINGUISHING MEDIA:.....: Dry Chemical; Carbon Dioxide; Foam; Water spray for large fires.

SPECIAL FIRE FIGHTING PROCEDURE...: None

6. ACCIDENTAL RELEASE MEASURES:

SPILL OR LEAK PROCEDURES.: Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Repeat sorbet/sweep cycle until the spill has dried up. Avoid run off to storm sewers or ditches which lead to waterways.

7. HANDLING AND STORAGE:

STORAGE TEMPERATURE (MIN/MAX).....: 40 °F / 100°F.

SHELF LIFE.....: 12 months at 77°F.

SPECIAL SENSITIVITY.....: Not Determined.

HANDLING/STORAGE PRECAUTIONS.....: None.

8. PERSONAL PROTECTION:

REQUIRED WORK/HYGIENE PROCEDURES.: None Established.

EYE PROTECTION REQUIREMENTS.....: OSHA 87.1Z safety glasses should be worn.

SKIN PROTECTION REQUIREMENTS.....: Latex gloves.

VENTILATION REQUIREMENTS.....: Allow for adequate natural ventilation when applying.

RESPIRATOR REQUIREMENTS.....: An OSHA dust and particulate mask should be worn during spray application of this product.

ADDITIONAL PROTECTIVE MEASURES.....: None.

9. PHYSICAL AND CHEMICAL PROPERTIES:

PHYSICAL FORM.....: Viscous Acrylic Emulsion.

COLOR.....: White.

ODOR.....: Mild Acrylic.

ODOR THRESHOLD.....: Not established.

MOLECULAR WEIGHT.....: Not Determined.

pH: 10.0 – 11.0 s.u.

BOILING POINT.....: 220 °F (100°C).

MELTING/FREEZING POINT.....: 32°F (0°C)

VISCOSITY.....: 10-15 mPa.s

SOLUBILITY IN WATER: Miscible.

SPECIFIC GRAVITY: 1.10 g.cm³

BULK DENSITY.....: 8.65 lbs/gal.

VAPOR PRESSURE: Not Determined.

VAPOR DENSITY: Not established (Air = 1).

VOC BY WEIGHT: <25.0 g/liter.

10. STABILITY AND REACTIVITY:

STABILITY.....: Very stable, no known reactions under normal conditions and environments.

HAZARDOUS POLYMERIZATION...: Will Not Occur.

INCOMPATIBILITIES.....: Water, amines, strong bases, alcohols, metal compounds and surface active materials.

INSTABILITY CONDITIONS.....: Not Determined.

DECOMPOSITION PRODUCTS.....: H₂O, CO, CO₂, NO₃.

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11. TOXICOLOGICAL INFORMATION:

ACUTE TOXICITY

ORAL LD50.....: Not Determined.

DERMAL LD50.....: Not Determined.

INHALATION LC50.....: Not Determined.

EYE EFFECTS.....: Not Determined.

SKIN EFFECTS.....: Not Determined.

SENSITIZATION.....: Not Determined.

OTHER ACUTE EFFECTS.....: Not Determined.

OTHER TOXICITY DATA.....: Not Determined.

12. ECOLOGICAL INFORMATION:

NO ECOLOGICAL INFORMATION AVAILABLE.

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD.....: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

14. TRANSPORTATION INFORMATION:

TECHNICAL SHIPPING NAME.....: Architectural Acrylic Coating.

FREIGHT CLASS BULK.....: Not Regulated

FREIGHT CLASS PACKAGE.....: None.

PRODUCT LABEL.....: None.

DOT (DOMESTIC SURFACE)

PROPER SHIPPING NAME.....: Architectural Acrylic Coating.

HAZARD CLASS OR DIVISION: Not Regulated.

UN/NA NUMBER.: None.

PACKING GROUP: None.

DOT PRODUCT RQ lbs (kgs).....: None.

HAZARD LABEL(s): None.

HAZARD PLACARD(s).....: None.

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14. TRANSPORTATION INFORMATION: (Continued)

IMO / IMDG CODE (OCEAN)

HAZARD CLASS DIVISION NUMBER.....: Non-Regulated

ICAO / IATA (AIR)

HAZARD CLASS DIVISION NUMBER.....: Non-Regulated

15. REGULATORY INFORMATION:

OSHA STATUS.....: Not Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

TSCA STATUS.....: This product contains no chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

SARA TITLE III:

SECTION 302

EXTREMELY HAZARDOUS SUBSTANCES...: None

SECTION 311/312

HAZARD CATEGORIES.....: None

SECTION 313

TOXIC CHEMICALS.....: No SARA Section 313 components exist in this product.

RCRA STATUS.....: Not Regulated

The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

<u>COMPONENT NAME</u>	<u>CAS NUMBER</u>	<u>CONCENTRATION</u>	<u>STATE CODE</u>
Not Applicable			

CALIFORNIA PROPOSITION 65

To the best of our knowledge, this product contains no levels of listed substances, which the state of California has found to cause cancer, birth defects or other reproductive effects.

MASSACHUSETTS SUBSTANCE LIST (MSL)

Hazardous Substances and Extraordinarily Hazardous Substances on the MSL must be identified when present in products. To the best of our knowledge, this product contains no substances at a level which could require reporting under the statute.

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16. OTHER INFORMATION:

HMIS RATINGS: Health Flammability Reactivity
 1 1 0

0=Minimal 1=Slight 2=Moderate 3=Serious 4=Severe

*=Chronic Health Hazard

I.R.I.S. Technologies, LLC. method of hazard communication is comprised of Product Labels and Material Safety Data Sheets. HMIS ratings are provided by I.R.I.S. Technologies, LLC. as a customer service.

REASON FOR ISSUE.....: REVISION OF FORMAT

PREPARED BY.....: A.D. Skelhorn.

ISSUE DATE.....: 11/07/2007

SUPERSEDES DATE.....: 10/23/2006

MSDS NUMBER.: IRIS02

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