Last Revision Date: 07/06/15

Section I – Company and Product Identification

Manufacturer: International Epoxies & Sealers
30241 Commerce Drive
San Antonio, Fl 33576
(352) 588-0768

Emergency Contact: 24 HR EMERGENCY - INFOTRAC
US/Canada 1-800-535-5053
Outside US/Canada 1-352-323-3500

SDS Prepared By: IES Regulatory

Product is intended for professional use only.

Product Code: 1815, 1816 INTER-CLAD Primer & Sealer

Section II – Hazards Identification

GHS CLASSIFICATION:

	GHS Category of Classification:
Flammable Liquid	2
Skin Corrosion/Irritation	2
Carcinogen	1A
Reproductive Toxin	1A
Aspiration Hazard	1
Organ Toxin—Single Exposure	1
Organ Toxin—Repeated Exposure	2
Eye Corrosion/Irritation/Damage	2A
Oral Toxin	3

GHS HAZARDS DATA:

SIGNAL WORD: Danger

GHS HAZARDS:

Highly flammable liquid and vapor
Harmful if inhaled
Harmful if swallowed
Causes damage to organs
Causes eye irritation
Causes skin irritation
Suspected of causing genetic defects
May cause cancer

GHS PRECAUTIONS:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Do not handle until safety precautions have been read and understood

Keep away from heat/hot surfaces, sparks/open flames/other ignition sources-No smoking
Keep container tightly closed
Keep cool
Use explosion-proof electrical, ventilating, lighting and motorized equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Do not breathe dust/mist/vapors or spray
Wash contacted skin thoroughly after handling
Do not eat/drink, or smoke when using this product
Wear protective gloves/clothing, eye protection, face and respiratory protection
Do NOT induce vomiting
IF SWALLOWED: Immediately call a poison center and/or contact a physician.
IF ON SKIN: Wash with plenty of soap and water. If irritation persists, contact a physician. If on clothes, immediately remove clothing.
IF INHALED: Immediately go to an area to get fresh air. Use product either outdoors or in a sufficiently ventilated area.
IF IN EYES: Rinse and flush out with plenty of water. If wearing lenses, removes and immediately flush with water. Continue rinsing. Contact a physician if irritation continues.
IF EXPOSED: Contact a poison center.
In case of fire: Use dry chemical, CO2, foam or water fog to extinguish.
Store in a well ventilated place. Keep container tightly closed.
Dispose contents and container in accordance with international, national, and local regulations.

Section III – Composition/Information

CAS No.	Chemical Name	Composition	Vapor Pressure(mmHg)
98-56-6	Parachlorobenzotrifluoride	20-40%	7.8@20oC
67-64-1	2-Propanone	0-10%	187.5@20oC
123-86-4	n-Butyl Acetate	0-5%	7.8@20oC
64742-94-5	Solvent Naphtha	0-1%	32@25oC
84-74-2	Dibutyl Phthalate	0-5%	N/A
540-88-5	tertiary-Butyl Acetate	10-30%	34@25oC
108-65-6	Propylene Glycol Monomethyl Ether Acetate	0-5%	21@50oC
79-20-9	Methyl Acetate	10-20%	173@20oC
1330-20-7	Xylene	0-5%	<10@20oC
100-41-4	Ethylbenzene	0-1%	N/A
14808-60-7	Fumed Silica(Crystalline)	0-5%	N/A
13463-67-7	Titanium Dioxide	0-5%	N/A
1317-65-3	Calcium Carbonate	0-5%	N/A
Proprietary	Polymer Blend	10-20%	N/A
1333-86-4	Carbon Black	0-1%	N/A
14807-96-6	Talc	0-10%	N/A

Section IV-First Aid Measures

Seek immediate medical attention for any over-exposure or symptoms obtained from this product. Product is intended for professional use only.

SKIN CONTACT- May cause skin irritation and/or dermatitis. Take off all contaminated clothing, rinse affected areas immediately with plenty of soap and water. Contact a physician if problems or irritation continues.

EYE CONTACT- May cause irritation or burning of the eyes. Flush out continuously with plenty of water for at least 10 minutes. Hold eye lids opens and continue rinsing throughout flushing of the eyes. Contact a physician if irritation or burning continues.

INHALATION- May cause headache, confusion, unconsciousness, nausea, and/or dizziness. May cause nose and throat irritation. Remove person to fresh air and keep comfortable for breathing. If breathing difficulty continues, contact a physician.

INGESTION- May cause gastrointestinal distress. Do not induce vomiting. Contact a physician immediately.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED:

May cause nervous system depression. Prolonged overexposure to solvents has been reported to cause permanent brain and nervous system damage. Headaches, dizziness, loss of coordination, confusion and loss of breath should be identified as important acute symptoms.

Section V – Fire Safety/Fighting Measures

Appropriate Extinguishing Media: Dry chemical, carbon dioxide and chemical foam , or water fog.

Inappropriate Extinguishing Media: High Volume Water Jets.

Special Firefighting Procedures:
Water spray to cool containers. If this material is involved in a fire.
NIOSH approved self-contained breathing apparatus should be worn.
Highly toxic fumes may be generated by thermal decomposition. Dike and collect all water used.
Proper firefighting equipment should be used.
Minimize skin exposure.
Avoid spill leakage into drains or public water access.

Fire & Explosion Hazards:
Flammable liquid. Vapor/air mixture will burn when an ignition source is present.
Vapors are heavy, may concentrate at lower levels creating hazard. Keep containers closed.
Vapor may move to source of ignition.
At high temperatures containers may burst.

Potential Combustion By-Products:

CO2, CO, formaldehyde and other Carbon by-products from the reactivity of solvents, smoke, oxides of metals reported in material composition.
Combustion Generates toxic fumes.

Flammability Class: Highly Flammable Flash point: 4°F LEL: None Determined

Section VI – Accidental Release Measures

Procedures/Methods for Cleaning Spills

Avoid breathing in vapors or mists. Obtain proper ventilation. Remove sources of ignition. Avoid skin or eye contact with vapor.
Wear a NIOSH approved respirator, suitable eyes protection and protective clothing. Evacuate unauthorized personnel from the area of the spill. Prevent vapor accumulation and confine spill with an inert absorbent. Clean with a detergent. Allow solvents to evaporate.
Environmental Precautions - Avoid products from entering drains or public waterways.

Section VII – Handling and Storage

Personal protective equipment:

Breathing equipment: In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

Protection of hands:

Protective gloves: The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation.
Material of gloves: The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Eye protection: Tightly sealed goggles.

Safe Handling Instructions:
Read all warnings on label. Vapors may cause flash fire; Keep away from heat, sparks, flame and all other possible sources of ignition. Close container after each use. Do not store above 50oC. Avoid build-up of materials with gentle sweeping or vacuuming. Avoid possibilities of electrostatic discharge. Use in ventilated areas. Do not store in different containers and do not use pressure to empty containers.

Storage Procedures:
Always close the container tightly. Keep away from all combustible sources. Store in a dry and ventilated area. Keep away from direct sunlight. Keep away from strong alkaline and acidic materials. Do not store with oxidizing agents.

Section VIII – Exposure Controls/Personal Protection

CAS-#	CHEMICAL	ACGIH/TLV(ppm)	OSHA/PEL(ppm)
98-56-6	Parachlorobenzotrifluoride	N/A	N/A
67-64-1	2-Propanone	500	1000
123-86-4	n-Butyl Acetate	150	150
64742-94-5	Solvent Naphtha	N/A	N/A
84-74-2	Dibutyl Phthalate	N/A	N/A
540-88-5	tertiary-Butyl Acetate	200	200
108-65-6	Propylene Glycol Monomethyl Ether Acetate	250	200
79-20-9	Methyl Acetate	250	200
1330-20-7	Xylene	150	100
100-41-4	Ethylbenzene	100	100
14808-60-7	Fumed Silica(Crystalline)	10	15
13463-67-7	Titanium Dioxide	10	15
1317-65-3	Calcium Carbonate	10	15
Proprietary	Polymer Blend	N/A	N/A
1333-86-4	Carbon Black	N/A	N/A
14807-96-6	Talc	2	20

Personal protective equipment:

BREATHING EQUIPMENT:
In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

RESPIRATORY PROTECTION: Use a MSHA/NIOSH approved cartridge respirator.

VENTILATION: Adequate to keep exposure limits below recommended. Ventilation equipment must be explosion proof.

PROTECTIVE GLOVES: Polyvinyl gloves and apron.

EYE PROTECTION: Chemical splash goggles(ANSI Z 87.1 or approved equivalent.), Safety glasses.

OTHER PROTECTIVE EQUIPMENT: wear protective clothing to prevent contact with product.

Section IX-Physical and Chemical Properties

Appearance: Gray, viscous, organic smelling liquid

Evaporation Rate	Slower than n-butyl acetate	VOC Material(g/L)	71
Flash Point	4oF	VOC Coating(g/L)	249
Viscosity (#3 Z)	18 seconds	VOC (lbs./gal)	2.08
Specific Gravity	1.078	% Weight VOC	0-20%
Density (lb./gal)	8.98	% Weight Exempt VOC	60-80%
Percent Volatiles by Weight	65-85%	Solubility	Hydrophobic, water insoluble
Percent Solids by Weight	20-30%	pH	Not applicable

Section X – Stability and Reactivity

STABILITY: ( ) Unstable (X) Stable

HAZARDOUS POLYMERIZATION: ( ) May occur, (X) Will not occur

INCOMPATIBILITY: Oxidizing agents, strong alkaline and acidic products, high temperatures.
CONDITIONS TO AVOID: Excessive heat and freezing temperatures.

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO2, Carbon by-products, smoke, oxides from Nitrogen, oxides from Sulfur and Phosphorous.

STEPS TO BE TAKEN IN CASE MATERIAL RELEASED OR SPILLED: Confine as much as possible. Dike and absorb with inert material such as vermiculite. Remove from ignition sources, ventilate area and vacate area. Allow solvents to evaporate.

WASTE DISPOSAL METHOD: Dispose of waste in accordance with all Federal, State, and Local ordinances.

Section XI – Toxicological Information

ROUTES TO ENTRY: Dermal Contact, Inhalation, Eye Contact, Ingestion

Chemical Toxicological Information

CAS No.	Chemical Name	LD50(mg/kg)*
98-56-6	Parachlorobenzotrifluoride	8700
67-64-1	2-Propanone	3000
123-86-4	n-Butyl Acetate	10768
64742-94-5	Solvent Naphtha	6000
84-74-2	Dibutyl Phthalate	8000
540-88-5	tertiary-Butyl Acetate	4500
108-65-6	Propylene Glycol Monomethyl Ether Acetate	8532
79-20-9	Methyl Acetate	5001
1330-20-7	Xylene	4300
100-41-4	Ethylbenzene	5460
14808-60-7	Fumed Silica(Crystalline)	3160

*All LD50 results are the oral toxicity LD50 of a rat.

TARGET ORGANS:
Eyes, Lungs, Liver, Skin, Peripheral and Central Nervous System, Kidneys, Reproductive Organs, Respiratory System, Other

ACUTE EFFECTS: Single Exposure
Dermal Contact: Irritation, redness, burning sensation on skin. May cause inflammation.
Inhalation: Headaches, loss of coordination, dizziness, fatigue, respiratory tract irritation, vomiting, and labored breathing.
Eye: Tearing, redness, blurry vision, impairment of vision.
Ingestion: Vomiting, nausea, and gastrointestinal discomfort.

CHRONIC EFFECTS: Repeated Exposure
Repeated exposure may cause Talc pneumoconiosis.
Some of these substances are known to cause damage to the central nervous system, liver, and kidneys.
May cause severe lung damage.
May cause dry skin, rash, sensitization and allergy.
May cause dryness and cracking of skin.
May cause damage to the respiratory system.

Section XII-Ecological Information

No data is available for ecological information and testing for this product.

Section XIII-Disposal Considerations

Product should be disposed of in accordance with federal, state, regional and local regulations. Do not allow product to enter drains or public waterways.

Section XIV-Transport Information

SHIPPING INFORMATION:
USDOT SHIPPING NAME: PAINT RELATED MATERIALS

USDOT HAZARD CLASS: 3
USDOT PACKING GROUP: II
USDOT LABELS REQUIRED: DOT LABELS REQUIRED - UN 1263
FREIGHT DESCRIPTION (DOT, ADR, IMDG, IATA): PG II
Environmental Hazards or Marine Pollutant: No

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Wear gloves, goggles and protective clothing to prevent contact with product. Store this product at temperatures between 49oC/120oF and 2oC/36oF. Do not store containers in direct sunlight.

Empty containers should be reconditioned by certified firms (drums, pails). Sale of empty containers should be in accordance with applicable laws and regulations.

Section XV- Regulatory Information

US Regulations:
US TSCA: All components in this product are listed on the US TSCA Inventory Requirements or is exempt from reporting requirements.

California Proposition 65-(State Drinking Water & Toxic Environment Act)
Warning: This product contains chemicals that are known to the State of California to cause cancer, developmental and/or birth defects.

CAS No.	Chemical Name	Composition
84-74-2	Dibutyl Phthalate	0-5%
100-41-4	Ethylbenzene	0-1%
14808-60-7	Fumed Silica(Crystalline)	0-5%
1333-86-4	Carbon Black	0-1%
13463-67-7	Titanium Dioxide	0-5%
1317-65-3	Calcium Carbonate	0-5%

SARA(Superfund Amendments and Reauthorization Act)
The following are reportable in the SARA act of 1986.

CAS-#	CHEMICAL	SARA 313 Required
98-56-6	Parachlorobenzotrifluoride	NO
67-64-1	2-Propanone	YES
123-86-4	n-Butyl Acetate	NO
64742-94-5	Solvent Naphtha	NO
540-88-5	tertiary-Butyl Acetate	YES
79-20-9	Methyl Acetate	NO
1330-20-7	Xylene	YES
100-41-4	Ethylbenzene	YES
14808-60-7	Fumed Silica(Crystalline)	NO
13463-67-7	Titanium Dioxide	NO
1317-65-3	Calcium Carbonate	NO
Proprietary	Polymer Blend	NO
1333-86-4	Carbon Black	NO
14807-96-6	Talc	NO

Canada Regulations
DSL- All of the components in this product are listed on the Canadian Domestic Substance List or are not required on the list.

Product is photochemically reactive.

Section XVI- Other Information

HMIS Ratings
Fire: 3
Reactivity: 0
Health: 2
Personal Protection: 0

OTHER PRECAUTIONS: Neither this data sheet or any statement contained herein grants or extends any license, expressly implied, in connection with patents issued or pending which may be the property of the manufacturer or others. The information in this data sheet has been assembled by the manufacturer based on its own studies and the work of others. The manufacturer makes no warranties, express or implied, as to the accuracy, completeness, or adequacy of the information contained herein. The manufacturer shall not be liable (regardless of fault) to the vendee, the vendee's employees, or anyone for any direct special or consequential damages arising out of or in connection with the accuracy, completeness, adequacy, or furnishing of such information.

SDS's are an important part of employee hazard communication information and training programs required of employers under the OSHA hazard Communication Standard (29 CFR 1910.1200).