Esplex 302 Fluorescent Yellow Roll (2” X 5’ – 4” X 15’)

Safety data sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules & Regulations
Revision date: 04/15 Supersedes: 05/13

1. Chemical Product & Company Identification

Product Identifier
Product Name:
Esplex 302 Fluorescent Yellow Roll (2” X 5’ – 4” X 15’)
Name, Address & Telephone of Manufacturer:
Esplex International, LLC
8211 Bama Lane
West Palm Beach, Florida 33411
Phone (561) 383-5654
Fax (561) 383-5658
Emergency Contact:
Chemtrec: 800-424-9300 (Inside the USA)
703-527-3887 (International)

2. Hazards Identification

Classification of the Substance or Mixture (GHS-US)

Resp. Sens. 1	H334
Skin Sens. 1	H317

Labeling Elements GHS-US
Hazard Pictograms:

Signal Word: Danger
Hazard Statements:
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Precautionary Statements:
P261 - Avoid breathing vapors, mist, or spray.
P264 - Wash hands, forearms, and other exposed areas thoroughly after handling.
P272 - Contaminated work clothing must not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves, protective clothing, and eye protection.
P284 - [In case of inadequate ventilation] wear respiratory protection.
P301+P310 - IF SWALLOWED: Immediately call a poison center or doctor.
P302+P352 - IF ON SKIN: Wash with plenty of water.
P304+P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P331 - Do NOT induce vomiting.
P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.
P342+P311 - If experiencing respiratory symptoms: Call a poison center or doctor.
P362 - Take off contaminated clothing and wash before reuse.
P362+P364 - Take off contaminated clothing and wash it before reuse.
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.
Other Hazards Not Contributing to the Classification:
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
Unknown Acute Toxicity (GHS-US): No data available

3. Composition/Information on Ingredients

Substance: Not Applicable
Mixture

Name	Product Identifier	Concentration	Classification
Fiberglass Continuous Filament (Non-Respirable)	(CAS) 65997-17-3	61.9% - 70.83%	Not Classified
Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene]	(CAS) 59675-67-1	31.195% - 27.71%	Resp. Sens. 1, H334 Skin Sens. 1, H317
P-toluenesulfonyl isocyanate	(CAS) 4083-64-1	0.381% - 0.292%	Resp. Sens. 1, H334 Skin Sens. 1, H317
Organic Yellow Pigment	Mixture	1.524% - 1.168%	Not Classified

Full text of H-phrases: see Section 16

4. First Aid Measures

Description of First Aid measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
First-aid Measures After Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a Poison Center or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
First-aid Measures After Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
First-aid Measures After Ingestion: Rinse mouth. Do not induce vomiting. Immediately call a Poison Center or doctor/physician.
Most Important Symptoms and Effects, Both Acute and Delayed
Symptoms/Injuries: Causes skin irritation. May be fatal if swallowed and enters airways. May cause an allergic skin reaction. May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/Injuries After Inhalation: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Symptoms/Injuries After Skin Contact: Causes skin irritation. Redness, pain, swelling, itching, burning, dryness, and dermatitis.
Symptoms/Injuries After Eye Contact: Direct contact with the eyes is likely irritating.
Symptoms/Injuries After Ingestion: May be fatal if swallowed and enters airways. Aspiration into the lungs can cause severe pulmonary edema/hemorrhage.
Chronic Symptoms: as a result of previous repeated overexposures, or single large dose, some individuals develop symptoms to isocyanates at levels way below TLV. These symptoms, which can include chest tightness, wheezing, cough, shortness of breath, or asthma attack could be immediate or delayed up to several hours after exposure, similar to many non-specific asthmatic responses. There are reports that once sensitized an individual can experience these symptoms upon exposure to dust, cold air or other irritants. This increased lung sensitivity can persist for weeks and in severe cases for several years. Overexposure to isocyanates has also been reported to cause lung damage which may be permanent. Sensitization can either be temporary or permanent.
Indication of Any Immediate Medical Attention and Special Treatment Needed: If you feel unwell, seek medical advice (show the label where possible).

5. Firefighting Measures

Extinguishing Media
Suitable Extinguishing Media: Water spray, fog, alcohol-resistant foam, carbon dioxide (CO_2), dry chemical powder.
Unsuitable Extinguishing Media: Do not use a heavy water stream. A heavy water stream may spread burning liquid.
Special Hazards Arising From Substance or Mixture
Fire Hazard: Not flammable but will support combustion.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.
Advice For Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers. In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.
Other Information: Do not allow run-off from fire fighting to enter drains or water courses. Do not allow the product to be released into the environment.

6. Accidental Release Measures

Personal Precautions, Protective Equipment & Emergency Procedures
General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray).
For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).
Emergency Procedures: Evacuate unnecessary personnel.
For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.
Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.
Methods & Material for Containment & Cleaning Up
For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.
Reference to Other Sections: See Heading 8. Exposure controls and personal protection.

7. Handling & Storage

Additional Hazards When Processed: Any proposed use of this product in elevated-temperature processes should be thoroughly evaluated to assure that safe operating conditions are established and maintained. Avoid contact with skin and eyes.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.
Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Products: Water, amines, strong bases, and alcohols will cause some corrosion to copper alloys and aluminum.
Incompatible Materials: Sources of ignition. Direct sunlight. Heat sources.
Maximum Storage Period: 6 months
Storage Temperature: 18˚C - 30 °C
Specific End Use(s): No additional information available

8. Exposure Controls/Personal Protection

Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), or OSHA (PEL).
Exposure Controls
Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.
Personal Protective Equipment: Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.

Materials for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Chemical goggles or safety glasses.
Skin and Body Protection: Wear suitable protective clothing.
Respiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.
Environmental Exposure Controls: Do not allow the product to be released into the environment.
Consumer Exposure Controls: Do not eat, drink or smoke during use.

9. Physical & Chemical Properties

Information on Basic Physical & Chemical Properties

Physical State:	Liquid
Appearance:	Fluorescent Yellow
Odor:	Slightly musty odor
Odor Threshold:	No data available
pH:	No data available
Evaporation Rate:	No data available
Melting Point:	No data available
Freezing Point:	32˚F (0˚C)
Boiling Point:	406°F @ 5 mmHg for MDI (207.78°C)
Decomposition Temperature:	No data available
Flammability (solid, gas):	No data available
Vapor Pressure:	No data available
Relative Vapor Density at 20˚C:	No data available
Partial Coefficient: N-Octanol/Water:	No data available
Solubility:	Water: Not soluble, reacts slowly with to liberate CO_2 gases
Specific Gravity:	1.14 (water = 1)
Viscosity:	9,000 - 1300 CPS
Flash Point:	390°F (198.89°C)
Auto-Ignition Temperature:	No data available

10. Stability & Reactivity

Reactivity: Hazardous reactions will not occur under normal conditions.
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Possibility of Hazardous Reactions: May occur, contact with moisture and other materials, which react with isocyanates, or temperatures about 204°C (400°F), may cause some polymerization.
Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Incompatible materials.
Incompatible Materials: Water, amines, strong bases, and alcohols will cause some corrosion to copper alloys and aluminum.
Hazardous Decomposition Products: Upon thermal decomposition: carbon monoxide, oxides of nitrogen, traces of HCN, MDI vapors or aerosols.

11. Toxicological Information

Information On Toxicological Effects
Acute Toxicity: Not Classified

Skin Corrosion/Irritation:	Causes skin irritation.
Serious Eye Damage/Irritation	Not classified
Respiratory or Skin Sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause an allergic skin reaction.
Germ Cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Specific Target Organ Toxicity (Single Exposure)	Not classified
Specific Target Organ Toxicity (Repeated Exposure)	Not classified
Aspiration Hazard	May be fatal if swallowed and enters airways.

12. Ecological Information

Toxicity: Harmful to aquatic life with long lasting effects. Harmful to aquatic life.
Persistence and Degradability: May cause long-term adverse effects in the environment.
Bioaccumulative Potential: Not established.
Mobility in Soil: No additional information available.
Other Adverse Effects: Avoid release to the environment.

13. Disposal Consideration

Waste treatment methods
Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, & international regulations
Sewage Waste Recommendations: Do not dispose of waste into sewer.

14. Transport Information

UN Number
UN/DOT NA: None
UN/DOT Proper Shipping Name: Liquid Resin (Non-Regulated)
Freight Class: 55
DOT Hazard Classes: Non-regulated
Packing Group (DOT) None
IMO / IMDG CODE (OCEAN) HAZARD CLASS DIVISION NUMBER: Non-regulated/Not Dangerous Goods
ICAO / IATA (AIR) HAZARD CLASS DIVISION NUMBER: Non-regulated/Not Dangerous Goods

15. Regulatory Information

US Federal Regulations
SARA Section 311/312 Hazard Classes: Immediate (acute) health hazard
Oxirane, methyl-, polymer with oxirane, ether with 1,2,3-propanetriol (3:1), polymer with 1,1'-methylenebis[4-isocyanatobenzene] (59675-67-1)
Listed on the United States TSCA (Toxic Substances Control Act) inventory

16. Other Information

GHS Full Text Phrases:

Skin Sens. A	H317	Skin sensitization Category 1
Resp. Sens. 1	H334	May cause allergy or asthma symptoms or breathing difficulties if inhaled.

NFPA 704M ratings:	**Health**	**Flammability**	**Reactivity**	**Other**
	2	1	1	
HMIS ratings:	**Health**	**Flammability**	**Physical Hazard**	**Personal Protection**
0-Insignificate	2	1	1	G
1-Slight				
2-Moderate				
3-High				
4-Extreme				

Other Information: This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200. This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Esplex International. The data on this sheet relates only to the specific material designated herein. Esplex International assumes no legal responsibility for use or reliance upon this data.