I&I Guard®-SCF
BY VORTEX

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name	• I&I Guard®-SCF
Trade Name	• I&I Guard®-SCF
Company	• Quadex LLC, 564 W. 9320 S., Sandy, UT 84070
Company Contact	• Matthew Peterson
Company Phone	• 844-782-4832
Emergency	• Domestic Shipments and to Canada: 1-800-633-8253 • International Shipments: 1-801-629-0667

2. HAZARDS IDENTIFICATION

GHS Classification		
	Skin Irritation	• Category 4
	Eye Irritation	• Category 3
GHS Labeling	Hazard Statement(s)	
	• Dust may cause eye irritation.	
	• Dust may cause respiratory irritation.	
Precautionary Statements		
	• Do not breathe dust.	
	• Wear protective gloves/eye protection/face protection.	
	• IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.	
	• IF ON SKIN: Wash with plenty of soap and water.	
Other Hazards	• Rigid polyurethane dust from fabricating operations is an irritant and is flammable. Dust should be collected at the point of generation and stray dust should be regularly swept up. • Large amounts of rigid polyurethane assembled in one place, such as for processing into finished products or in storage, present a potential fire hazard. Once ignited, these polyurethanes may spread flame rapidly and produce intense heat, dense smoke and toxic gases. Raw polyurethane and fabricated items should be stored indoors, away from fabricating operations, and be protected by automatic sprinklers. Access aisles should be maintained between polyurethane piles.	

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	Cas #	Weight %
Substance		

4. FIRST AID MEASURE

Inhalation	• Move to fresh air if symptoms develop. If breathing is difficult, give oxygen and call physician.
Eye Contact	• Flush with water for at least 15 minutes. See a physician if irritation develops.
Ingestion	• N/A
Most Important symptoms and effects, acute and delayed	• Acute Eye or respiratory irritation, characterized by eye watering, coughing or sneezing. Treat symptomatically.
Indication of immediate medical attention and special treatment, if applicable	• N/A
Skin Contact	• Wash with soap and water

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	• Water, dry chemicals, CO_2
Unsuitable Extinguishing Media	• None
Special hazards arising from the chemical	• None
Precautions for Fire-Fighters	• A self-contained breathing apparatus should be worn to protect against toxic and irritating vapors.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	• Remove ignition sources. Wear eye and respiratory protection from dust.
Environmental Precautions	• None
Methods and material for containment and cleanup	• Waste material should be disposed of under conditions which meet federal, state, and local environmental regulations.
Spill area can be decontaminated with the following recommended decontamination solution	• Decontamination Solution #1: 8-10% sodium carbonate and 2% liquid soap in water • Decontamination Solution #2: Liquid/yellow soap (potassium soap with ~15% anionic surfactant): 20 ml; Water: 700 ml; Polyethylene glycol (PEG 400): 350 ml

7. HANDLING AND STORAGE

Precautions for safe handling	• N/A
Conditions for safe storage, including any incompatibilities	• N/A

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits	Type	Value
Polyurethane		• None
Exposure Controls		
Respiratory Protection	• Dust mask when fabricating or cutting.	
Hand, Eye, Skin, Body Protection	• Wear goggles or chemical safety glasses and chemically resistant rubber or plastic gloves. Avoid eye and skin contact. Eye wash system and showers should be available.	

9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	• Solid
Color	• Tan or other characteristic color
Odor	• Slight
Odor Threshold	• N/A
pH	• N/A
Melting Point/Freezing Point	• N/A
Boiling Point/Boiling Range	• N/A
Flash Point	• N/A
Evaporation Rate	• Slower than ether
Flammability	• N/A
Upper/Lower Flammability or Explosive Limits	• N/A
Vapor Pressure	• N/A
Vapor Density	• N/A
Relative Density	• 0.005 – 0.32g/mL
Solubility(ies)	• Insoluble
Partition cCoefficient (Noctanol/Water)	• N/A
Auto-ignition Temperature	• >700°F
Decomposition Temperature	• >300°F

10. CHEMICAL STABILITY & REACTIVITY INFORMATION

Chemical Stability	• Stable
Possibility of Hazardous Reactions	• N/A
Conditions to Avoid	• Avoid temperatures above 800°F.
Incompatible Materials	• N/A
Hazardous Decomposition Products	• When polyurethane burns it produces a large volume of dense smoke that presents a major hazard in that it can cause panic and disorientation and inhibit ability to escape. When burned by-products may include but are not limited to: CO,CO2, NOx, aliphatic fragments, traces of HCN, toluene, and possibility HF, HC1, HBr and oxides of phosphorus.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity, Inhalation	• May cause skin irritation or respiratory irritation
Chronic Toxicity	• Not available
Likely Routes of Exposure	• Skin or inhalation of dust
Symptoms related to physical, chemical and toxicological characteristics	• May cause skin irritation or respiratory irritation
Delayed and immediate effects and chronic effects from short and long-term exposure	• Watering eyes, irritation; coughing or sneezing from dust.
Numerical Toxicity Measures	• Not available

12. ECOLOGICAL INFORMATION

Ecotoxicity	• Not a marine pollutant
Persistence and Degradability	• No known significant effects
Bioaccumulative Potential	• Does not bioaccumulate
Mobility in Soil	• None

13. DISPOSAL CONSIDERATIONS

Waste Disposal	• Landfill as ordinary industrial waste in compliance with pertinent regulations.

14. DISPOSAL CONSIDERATIONS

UN Number	• Not regulated
UN Proper Shipping Name	• Not regulated
Transport Hazard Class(es)	• Not regulated
Packing group, if Applicable	• Not regulated
Marine Pollutant (Y or N)	• N
Special Precautions	• None

15. REGULATORY INFORMATION

Relevant Safety, Health, and Environmental Regulations	
Inventory Status	• All components TSCA listed
US Regulations	• No ingredients listed
US Superfund Amendments and Reauthorization Act (SARA) Title III Section 313 information	• No ingredients listed

16. OTHER INFORMATION

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