



SAFETY DATA SHEET

Quik-Shield A

1. PRODUCT AND COMPANY IDENTIFICATION

Product Code: QS A
Product Name: Quik-Shield A
Company Name: SWD URETHANE
539 S. Drew St.
Mesa, AZ 85210,
Web site address: www.swdurethane.com
Emergency Contact: CHEMTREC
(800) 424-9300

2. HAZARDS IDENTIFICATION

Acute Toxicity: Oral, Category 5
Skin Corrosion/Irritation, Category 2
Skin Sensitization, Category 1
Serious Eye Damage/Eye Irritation, Category 2B
Acute Toxicity: Inhalation, Category 4
Respiratory Sensitization, Category 1
Carcinogenicity, Category 2



GHS Signal Word: **Danger**

GHS Hazard Phrases: H303 - May be harmful if swallowed.
H315 - Causes skin irritation.
H317 - May cause an allergic skin reaction.
H320 - Causes eye irritation.
H332 - Harmful if inhaled.
H334 - May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H351 - Suspected of causing cancer .
H401 - Toxic to aquatic life.

GHS Precaution Phrases: P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P264 - Wash hands thoroughly after handling.
P271 - Use only outdoors or in a well-ventilated area.
P272 - Contaminated work clothing should not be allowed out of the workplace.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection .
P285 - In case of inadequate ventilation wear respiratory protection.

GHS Response Phrases: P302+352 - IF ON SKIN: Wash with plenty of soap and water.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P341 - If breathing is difficult, remove to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+313 - IF exposed or concerned: Get medical attention/advice.
P332+313 - If skin irritation occurs, get medical advice/attention.
P337+313 - If eye irritation persists, get medical advice/attention.



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GHS Storage and Disposal Phrases:	P342+311 - If experiencing respiratory symptoms call a POISON CENTER or doctor/physician. P362 - Take off contaminated clothing and wash before re-use. P405 - Store locked up.
Inhalation:	Causes respiratory tract irritation.
Skin Contact:	May be harmful if absorbed through the skin. Causes skin irritation.
Eye Contact:	Causes eye irritation.
Ingestion:	May be harmful if swallowed.

3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Ingredients/Components	Concentration
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	0.0 -100.0 %

4. FIRST AID MEASURES

Emergency and First Aid Procedures:	
In Case of Inhalation:	If breathed in, move person into fresh air. If not breathing give artificial respiration.
In Case of Skin Contact:	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact:	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
In Case of Ingestion:	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
Signs and Symptoms Of Exposure:	Cough, Shortness of breath, Headache. Nausea. Vomiting, Pulmonary edema. Effects may be delayed.
Note to Physician:	Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

5. FIRE FIGHTING MEASURES

Flash Pt:	> 150.00 C	Method Used: Closed Cup
Explosive Limits:	LEL:	UEL:
Autoignition Pt:	NA	
Suitable Extinguishing Media:	Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.	
Fire Fighting Instructions:	Wear self contained breathing apparatus for fire fighting if necessary.	
Flammable Properties and Hazards:		
Hazardous Combustion Products:		

6. ACCIDENTAL RELEASE MEASURES

Steps To Be Taken In Case Material Is Released Or Spilled:	<p>Personal precautions. Use personal protective equipment. Avoid dust formation. Avoid breathing dust. Ensure adequate ventilation. Environmental precautions. Do not let product enter drains.</p> <p>Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.</p>
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7. HANDLING AND STORAGE

Precautions To Be Taken in Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Precautions To Be Taken in Storing: Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: 15 - 38 deg.C. Store under inert gas. Moisture sensitive.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly			
Respiratory Equipment (Specify Type):	When the product is sprayed or heated without adequate ventilation, an approved MSHA/NIOSH positive-pressure, supplied air respirator may be required. Air purifying respirators equipped with organic vapor cartridges and HEPA (P100) particulate filter may be used under certain conditions when the cartridge change-out schedule has been developed in accordance with the OSHA respiratory protection standard (29 CFR 1910.134).			
Eye Protection:	Face shield and safety glasses.			
Protective Gloves:	Handle with gloves.			
Other Protective Clothing:	Choose body protection according to the amount and concentration of the dangerous substance at the work place.			
Engineering Controls (Ventilation etc.):				
Work/Hygienic/Maintenance Practices:	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical States: [] Gas [X] Liquid [] Solid

Appearance and Odor: Slightly. Musty.

pH:

Melting Point: 42.00 C - 45.00 C

Boiling Point: 200.00 C

Flash Pt: > 150.00 C Method Used: Closed Cup

Evaporation Rate:

Flammability (solid, gas):

Explosive Limits: LEL: UEL:

Vapor Pressure (vs. Air or mm Hg): 1

Vapor Density (vs. Air = 1):

Specific Gravity (Water = 1):

Density: 1.18 G/CM3

Solubility in Water:



Octanol/Water Partition

Coefficient:

Autoignition Pt: NA

Decomposition Temperature:

Viscosity:

10. STABILITY AND REACTIVITY

Stability: Unstable [] Stable [X]

Conditions To Avoid - Instability: Contact with moisture, other materials that react with isocyanates, or temperatures above 350 °F (177 °C), may cause polymerization.

Incompatibility - Materials To Avoid: Water. Amines, Strong bases, Alcohols.

Hazardous Decomposition or Byproducts: formed under fire conditions. Carbon oxides, nitrogen oxides (NOx).

Possibility of Hazardous Reactions: Will occur [] Will not occur [X]

Conditions To Avoid - Hazardous Reactions:

11. TOXICOLOGICAL INFORMATION

Toxicological Information: CAS# 9016-87-9:
Not reported., LC50, Not reported., Rat, 490.0 MG/M3.
Results:
Behavioral: Somnolence (general depressed activity).
Behavioral: Convulsions or effect on seizure threshold.
- National Technical Information Service, Vol/p/yr: OTS05, 6728

Not reported., LD50, Dermal, Rat, 490.0 MG/L.
Results:
Behavioral: Somnolence (general depressed activity).
Behavioral: Convulsions or effect on seizure threshold.

Not reported., LC50, Not reported., Rat, 490.0 MG/M3.
Results:
Kidney, Ureter, Bladder:Renal function tests depressed.
Blood:Other changes.

Irritation or Corrosion: Serious eye damage/eye irritation:
Eyes - rabbit - Moderate eye irritation.

Carcinogenicity/Other Information: Carcinogenicity.
This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification.

Limited evidence of carcinogenicity in animal studies.
IARC: Group 3: Not classifiable as to its carcinogenicity to humans 3.
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.



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CAS #	Ingredients/Components	NTP	IARC	ACGIH	OSHA
9016-87-9	Polymeric diphenylmethane diisocyanate (Isocyanic acid, Poly		3		

12. ECOLOGICAL INFORMATION

Persistence and Degradability:	No data available.
Bioaccumulative Potential:	No data available.
Mobility in Soil:	No data available.

13. DISPOSAL CONSIDERATIONS

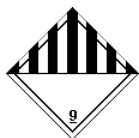
Waste Disposal Method:	<p>Product.</p> <p>Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.</p> <p>Contaminated packaging.</p> <p>Dispose of as unused product.</p>
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14. TRANSPORT INFORMATION

Additional Transport Information:	Not regulated except when shipped in bulk. Bulk containers (>9 000 lbs) must be transported as: ENVIRONMENTALLY HAZARDOUS SUBSTANCES, LIQUID, N.O.S. (Methylene Diphenyl Diisocyanate), Class 9, UN3082, PG III, RQ.
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LAND TRANSPORT (US DOT):

DOT Proper Shipping Name:	Other regulated substances, Liquid, N.O.S. (Methylene Diphenyl Diisocyanate)		
DOT Hazard Class:	9	CLASS 9	
UN/NA Number:	NA3082	Packing Group:	III



LAND TRANSPORT (Canadian TDG):

TDG Shipping Name:	Not Regulated.		
UN Number:	3082	Packing Group:	III
Hazard Class:	9 - CLASS 9	TDG Classification:	

MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.



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15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Ingredients/Components	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
9016-87-9	Polymeric diphenylmethane diisocyanate {Isocyanic acid, Poly	No	No	Yes-Cat. N120

CAS # Ingredients/Components

9016-87-9 Polymeric diphenylmethane diisocyanate
{Isocyanic acid, Poly

Other US EPA or State Lists

CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes -
Inventory, 8C, 8D TERM; CA PROP.65: No; CA TAC, Title 8:
No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No;
NJ EHS: Yes - Cat.; NY Part 597: No; PA HSL: No; SC TAP:
No; WI Air: No

CAS # Ingredients/Components

9016-87-9 Polymeric diphenylmethane diisocyanate
{Isocyanic acid, Poly

International Regulatory Lists

Canadian DSL: Yes; Canadian NDSL: No

Regulatory Information:

This product contains chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

Incipient fire responders should wear eye protection. Firefighters must wear Self-Contained Breathing Apparatus and full protective equipment. Isolate materials not yet involved in the fire and protect personnel. Move containers from fire area if this can be done without risk; otherwise, cool with carefully applied water spray. If possible, prevent runoff water from entering storm drains, bodies of water, or other environmentally sensitive areas.

16. OTHER INFORMATION

Revision Date: 12/12/2018

Additional Information About This Product:

Company Policy or Disclaimer:

While the information and recommendations in this publication are given to the best of our knowledge, and information at the date of publication, nothing herein is to be construed as a warranty, expressed or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information, and recommendations or the suitability of any product for its own particular purpose.

The product may present hazards and should be used with caution. While certain hazards are described in this Safety Data Sheet, no guarantee is made that these are the only hazards that exist. Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED SWD EMPLOYEE SHALL PROVIDE, OR MAKE AVAILABLE, DATA SHEETS FOR SWD PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION



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THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF SWD. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET OR QUESTIONS REGARDING THIS DATA SHEET SHOULD BE DIRECTED TO SWD AT 800-828-1394.



according to Regulation (EC) No. 1907/2006 as amended by (EC) No. 1272/2008

SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE

- 1.1 Product Code:** QS 232 B
Product Name: Quik-Shield 232 B
- 1.2 Relevant identified uses of the substance or mixture and uses advised against:**
- 1.3 Details of the Supplier of the Safety Data Sheet:**
- Company Name:** SWD URETHANE
539 S. Drew St.
Mesa, AZ 85210,
- Web site address:** www.swdurethane.com
- 1.4 Emergency telephone number:**
- Emergency Contact:** CHEMTREC
(800) 424-9300

SECTION 2. HAZARDS IDENTIFICATION

- 2.1 Classification of the Substance or Mixture:**
- 2.1.1 Classification according to Regulation (EC) No 1272/2008 [CLP]:**
Acute Toxicity: Oral, Category 4
Acute Toxicity: Skin, Category 5
Skin Corrosion/Irritation, Category 3
Serious Eye Damage/Eye Irritation, Category 2B
Aquatic Toxicity (Acute), Category 3
- 2.1.2 Classification according to Directive 1999/45/EC:**
- 2.2 Label Elements:**
- 2.2.1 Labeling according to Regulation (EC) No 1272/2008 [CLP]:**



GHS Signal Word: Warning

GHS Hazard Phrases:

H302 - Harmful if swallowed.
H313 - May be harmful in contact with skin.
H316 - Causes mild skin irritation.
H320 - Causes eye irritation.
H402 - Harmful to aquatic life.

GHS Precaution Phrases:

P264 - Wash hands thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P273 - Avoid release to the environment.

GHS Response Phrases:

No phrases apply.

GHS Storage and Disposal Phrases:

No phrases apply.



2.2.2 Labeling according to Directive 1999/45/EC:

2.3 Adverse Human Health

Effects and Symptoms:

- 2.3.1 Inhalation:** May be harmful if inhaled. Causes respiratory tract irritation.
- 2.3.2 Skin Contact:** May be harmful if absorbed through the skin. Causes skin irritation.
- 2.3.3 Eye Contact:** Causes eye irritation.
- 2.3.4 Ingestion:** Harmful if swallowed.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Hazardous Components (Chemical Name)/ REACH Registration No.	Concentration	EC No./ EC Index No.	Risk Phrases/ GHS Classification
NA	Halogenated Phosphate	7.0 -13.0 %	NA NA	No phrases apply. Acute Tox.(O) 4: H302
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	<10.0 %	NA NA	No phrases apply. Eye Damage 2A: H319

SECTION 4. FIRST AID MEASURES

- 4.1 Description of First Aid Measures:**
 - In Case of Inhalation:** If breathed in, move person into fresh air. If not breathing give artificial respiration.
 - In Case of Skin Contact:** Wash off with soap and plenty of water. Consult a physician.
 - In Case of Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
 - In Case of Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
- 4.2 Important Symptoms and Effects, Both Acute and Delayed:** To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
- Note for the Doctor:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

SECTION 5. FIRE FIGHTING MEASURES

- 5.1 Suitable Extinguishing Media:** Use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.
- 5.2 Flammable Properties and Hazards:** No data available.
 - Flash Pt:** 218.00 C
 - Explosive Limits:** LEL: No data. UEL: No data.
 - Autoignition Pt:** NA
- 5.3 Fire Fighting Instructions:** Wear self contained breathing apparatus for fire fighting if necessary.



SECTION 6. ACCIDENTAL RELEASE MEASURES

- 6.1 Protective Precautions,** No data available.
Protective Equipment and Emergency Procedures:
- 6.2 Environmental** No data available.
Precautions:
- 6.3 Methods and Material For Containment and Cleaning Up:** Personal precautions.
Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.
Environmental precautions.
Do not let product enter drains.
- Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7. HANDLING AND STORAGE

- 7.1 Precautions To Be Taken in Handling:** Avoid inhalation of vapor or mist.
Normal measures for preventive fire protection.
- 7.2 Precautions To Be Taken in Storing:** Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Exposure Parameters:

CAS #	Partial Chemical Name	Britain EH40	France VL	Europe
NA	Halogenated Phosphate	No data.	No data.	No data.
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No data.	No data.	No data.
CAS #	Partial Chemical Name	OSHA TWA	ACGIH TWA	Other Limits
NA	Halogenated Phosphate	No data.	No data.	No data.
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No data.	No data.	No data.

8.2 Exposure Controls:

8.2.1 Engineering Controls (Ventilation etc.): No data available.

8.2.2 Personal protection equipment:

Eye Protection: Face shield and safety glasses.

Protective Gloves: Handle with gloves.

Other Protective Clothing: Choose body protection according to the amount and concentration of the dangerous substance at the work place.

Respiratory Equipment (Specify Type): Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multi- purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Work/Hygienic/Mainten Handle in accordance with good industrial hygiene and safety practice. Wash hands



ance Practices: before breaks and at the end of workday.
No data available.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on Basic Physical and Chemical Properties

Physical States: [] Gas [X] Liquid [] Solid
Appearance and Odor: Viscous.
Musty.
Melting Point: NA
Boiling Point: 235.00 C - 248.00 C
Flash Pt: 218.00 C
Evaporation Rate: No data.
Explosive Limits: LEL: No data. UEL: No data.
Vapor Pressure (vs. Air or mm Hg): No data.
Vapor Density (vs. Air = 1): No data.
Specific Gravity (Water = 1): No data.
Solubility in Water: No data.
Autoignition Pt: NA

9.2 Other Information

Percent Volatile: No data.

SECTION 10. STABILITY AND REACTIVITY

10.1 Reactivity: No data available.
10.2 Stability: Unstable [] Stable [X]
10.3 Conditions To Avoid - Hazardous Reactions: No data available.
Possibility of Hazardous Reactions: Will occur [] Will not occur [X]
10.4 Conditions To Avoid - Instability: No data available.
10.5 Incompatibility - Materials To Avoid: Strong oxidizing agents.
10.6 Hazardous Decomposition or Byproducts: formed under fire conditions. Carbon oxides, Phosphorous oxides, Hydrogen chloride gas, Thermal decomposition 244 °C



SECTION 11. TOXICOLOGICAL INFORMATION

11.1 Information on Toxicological Effects: CAS# NA:
 Acute toxicity, LD50, Oral, Rat, 3600. MG/KG.
 Results:
 Behavioral: Somnolence (general depressed activity).
 Behavioral: Tremor.
 Lungs, Thorax, or Respiration: Other changes.
 - National Technical Information Service, Vol/p/yr: OTS05, 7713

Acute toxicity, LD50, Intravenous, Mouse, 56.00 MG/KG.
 Results:
 Behavioral: Food intake (animal).
 Nutritional and Gross Metabolic: Weight loss or decreased weight gain.
 - U.S. Army Armament Research & Development Command, Chemical Systems Laboratory, NIOSH Exchange Chemicals., Aberdeen Proving Ground., Aberdeen Proving Ground, MD 21010, Vol/p/yr: NX#, 5768

Skin corrosion/irritation, Skin sensitization, Skin, Rabbit, 0.000 , Mild.
 Results:
 Sense Organs and Special Senses (Nose, Eye, Ear, and Taste): Eye: Lacrimation.
 Behavioral: Tremor.
 Lungs, Thorax, or Respiration: Cyanosis.

Irritation or Corrosion: Skin - rabbit - Mild skin irritation - 24 h.
 Serious eye damage/eye irritation:
 Eyes - rabbit - Mild eye irritation.

Carcinogenicity/Other Information: Carcinogenicity.
 IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.
 ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
 NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
 OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

CAS #	Hazardous Components (Chemical Name)	NTP	IARC	ACGIH	OSHA
NA	Halogenated Phosphate	n.a.	n.a.	n.a.	n.a.
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	n.a.	n.a.	n.a.	n.a.

SECTION 12. ECOLOGICAL INFORMATION

12.1 Toxicity: No data available.

12.2 Persistence and Degradability: No data available.

12.3 Bioaccumulative Potential: No data available.

12.4 Mobility in Soil: No data available.

12.5 Results of PBT and vPvB assessment: No data available.

12.6 Other adverse effects: No data available.



SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal Method: Product.
Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging.
Dispose of as unused product.

SECTION 14. TRANSPORT INFORMATION

GHS Classification: Acute Toxicity: Oral, Category 4 - Warning! Harmful if swallowed
Acute Toxicity: Skin, Category 5 - Warning! May be harmful in contact with skin
Skin Corrosion/Irritation, Category 3 - Warning! Causes mild skin irritation
Serious Eye Damage/Eye Irritation, Category 2B - Warning! Causes eye irritation
Aquatic Toxicity (Acute), Category 3 - Harmful to aquatic life

14.1 LAND TRANSPORT (US DOT):

DOT Proper Shipping Name: Not Regulated.
DOT Hazard Class:
UN/NA Number:

14.1 LAND TRANSPORT (Canadian TDG):

TDG Shipping Name: Not Regulated.
UN Number:
Hazard Class: **TDG Classification:**

14.1 LAND TRANSPORT (European ADR/RID):

ADR/RID Shipping Name:
UN Number:
Hazard Class:

14.2 MARINE TRANSPORT (IMDG/IMO):

IMDG/IMO Shipping Name: Not Regulated.

14.3 AIR TRANSPORT (ICAO/IATA):

ICAO/IATA Shipping Name: Not Regulated.

SECTION 15. REGULATORY INFORMATION

EPA SARA (Superfund Amendments and Reauthorization Act of 1986) Lists

CAS #	Hazardous Components (Chemical Name)	S. 302 (EHS)	S. 304 RQ	S. 313 (TRI)
NA	Halogenated Phosphate	No	No	No
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No	No	No

CAS #	Hazardous Components (Chemical Name)	Canadian NPRI	Canadian IDL	Canadian DSL
NA	Halogenated Phosphate	No	No	Yes
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	No	No	Yes

CAS #	Hazardous Components (Chemical Name)	Other US EPA or State Lists
NA	Halogenated Phosphate	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory, 8D TERM; CA PROP.65: No; CA TAC, Title 8: No; MA Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS: No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	CAA HAP,ODC: No; CWA NPDES: No; TSCA: Yes - Inventory; CA PROP.65: No; CA TAC, Title 8: No; MA



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Oil/HazMat: No; MI CMR, Part 5: No; NC TAP: No; NJ EHS:
No; NY Part 597: No; PA HSL: No; SC TAP: No; WI Air: No

CAS #	Hazardous Components (Chemical Name)	International Regulatory Lists
NA	Halogenated Phosphate	
460-73-1	1,1,1,3,3-Pentafluoropropane {HFC-245fa}	

Canadian WHMIS Classification:

No data available.

European Community Hazard Symbol codes:**European Community Risk and Safety Phrases:**

No data available.

Regulatory Information: This product contains no chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 40 CFR part 372.

SECTION 16. OTHER INFORMATION

Revision Date: 04/30/2015**Additional Information About** No data available.**This Product:****Company Policy or****Disclaimer:**

While the information and recommendations in this publication are given to the best of our knowledge, and information at the date of publication, nothing herein is to be construed as a warranty, expressed or otherwise. In all cases, it is the responsibility of the user to determine the applicability of such information, and recommendations or the suitability of any product for its own particular purpose.

The product may present hazards and should be used with caution. While certain hazards are described in this Safety Data Sheet, no guarantee is made that these are the only hazards that exist. Hazards, toxicity and behavior of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behavior should be determined by the user and made known to handlers, processors and end users.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED SWD EMPLOYEE SHALL PROVIDE, OR MAKE AVAILABLE, DATA SHEETS FOR SWD PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT THE WRITTEN PERMISSION OF SWD. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET OR QUESTIONS REGARDING THIS DATA SHEET SHOULD BE DIRECTED TO SWD AT 800-828-1394.