Material Safety Data Sheet

Date Originated: 1/15/2015

NFPA	HCS Risk Phrases	Protective Clothing
	**HCS CLASS: Toxic.** **HCS CLASS: Irritating substance.** **HCS CLASS: Sensitizing substance.** **HCS CLASS: Combustible liquid IIIB having a flash point higher than 93.3°C (200°F).**	

Section 1. Chemical Product and Company Identification

Product Name

Polyflex 311A.0 ISO-Catalyst

Synonym

WP 311A.0

Manufacturer

SUPPLIER:
Wasser Corporation
4118 B PL NW, Suite B
Auburn, WA 98001, US
Phone# 253-850-2967

Chemical Family

Aromatic isocyanates.

In case of Emergency

EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
MDI Prepolymer	Proprietary	60-100	Not available.	Not available.
Diphenylmethane-4,4'-diisocyanate	101-68-8	5-10	**TWA:** 0.005 **CEIL:** 0.02 (ppm) from OSHA/NIOSH **TWA:** 0.005 **CEIL:** 0.02 (ppm) from ACGIH	**ORAL (LD50)** mg/kg: Acute: 15000 (Rat). **VAPOR (LC50)** ppm : Acute: 43 (Rat) (4 hour(s)).
Diphenylmethane-2,2- diisocyanate	26447-40-5	5-10	**TWA:** 0.005 **CEIL:** 0.02 (ppm)	Not available.

Section 3. Hazards Identification

Routes of Entry: Inhalation. Skin contact (absorption). Eye contact. Ingestion.

Potential Acute Health Effects

Eyes: Liquid or spray mist may severely irritate eyes. Inflammation of the eye is characterized by redness, watering, and itching.

Skin: This product may irritate skin upon contact. Harmful if absorbed through the skin. May cause skin sensitization. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Ingestion: Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death.

Inhalation: Harmful if inhaled (Irritant, sensitizer). Over-exposure by inhalation of the vapors/spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. May cause sensitization by inhalation. Massive overexposure can cause unconciousness and death.

Potential Chronic Health Effects

Eyes: Repeated or prolonged contact with spray mist may produce chronic eye irritation.

Skin: Repeated skin exposure can produce local skin destruction, or dermatitis, possibly sensitization.

Ingestion: May be fatal if swallowed.

Inhalation: Repeated or prolonged inhalation of vapors/spray mist may lead to chronic respiratory irritation. May cause sensitization by inhalation.

Other chronic effects on Humans Sensitive individuals may develop eczema and/or asthma on inhalation of this material. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.

Skin Contact Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water (15-30 minutes). If irritation persists, seek medical attention.

Hazardous Skin Contact If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under shower. Wash gently and thoroughly the contaminated skin with running water and non abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water (15-30 minutes). Seek medical attention. Wash contaminated clothing before reusing.

Inhalation Allow the person to rest in a well ventilated area. Loosen tight clothing around the person's neck and waist. If symptoms persist, seek medical advice immediately (show the label when possible).

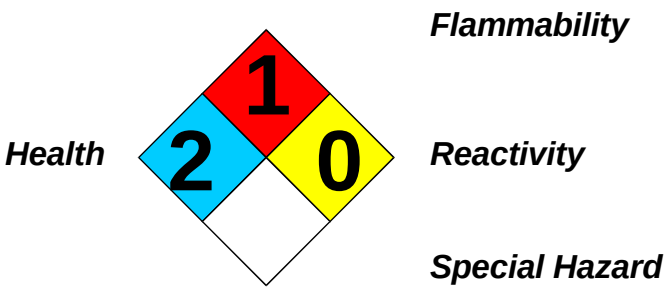
Hazardous Inhalation Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the material is toxic, infectious or corrosive. Oxygen may be administered if breathing is difficult. Seek medical attention.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

Hazardous Ingestion DO NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Have conscious person drink several glasses of water. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If the person is not breathing, administer mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	Not available.
Flash Points	Not available.
Flammable Limits	Not available.
Products of Combustion	These products are carbon oxides (CO, CO2), and other toxic compounds (nitrogen oxides, isocyanate vapors, and traces of hydrogen cyanide).
Fire Hazards in Presence of Various Substances	Combustible in presence of open flames and sparks.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	Use DRY chemical, CO2, or foam. If water is used, it should be used in flooding quantities. The reaction between water and hot isocyanate may be vigorous. Cool containing vessels with water jet in order to prevent pressure build-up, autoignition or explosion. Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes. During a fire, Isocyanate vapours and other irritating, highly toxic gases may be generated by thermal decomposition or combustion.
Special Remarks on Fire Hazards	When heated to decomposition it emits highly toxic fumes.
Special Remarks on Explosion Hazards	Container explosion may occur under fire conditions or when heated (due to pressure build-up).



Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and place in an appropriate waste disposal container. Treat with a neutralizing solution (5% ammonia water, or 5-10% sodium carbonate in water). Add about 10 parts of neutralizer per 1 part of of isocyanate with mixing. Wear suitable protective clothing.
Large Spill	Poisonous combustible liquid, insoluble or very slightly soluble in water. Ventilate. Eliminate all sources of ignition. Wear suitable protective clothing, gloves and eye/face protection. A self contained breathing apparatus should be used to avoid inhalation of the product. Warn personnel to move away. Stop leak if without risk. DO NOT touch spilled material. Prevent entry into sewers, basements or confined areas; dike if needed. Cover with WET earth, sand or other non-combustible material, or with DRY absorbent wetted with a neutralizing solution (5% ammonia water, or 5-10% sodium carbonate in water). After 15 minutes transfer it to waste container, or put in open drums - fill the drums half way. Do not seal - evolution of CO2 can cause pressure build-up. Keep drums (not sealed) outside, or in safe ventilated area for a few days. After clean-up monitor the vapors concentration. Use the neutralizing solution to decontaminate the surface and the tools. The spilled material, clean-up residues, and spent decontamination solution are hazardous wastes. Call for assistance on disposal.

Material Safety Data Sheet

Product Name: **Polyflex 311A.0 ISO-Catalyst**

Section 7. Handling and Storage

Precautions

Manipulate in a well ventilated area. In case of insufficient ventilation, wear suitable respiratory equipment. Do not breathe gas/fumes/vapor/spray. Avoid contact with skin and eyes. Contact lenses should not be worn. Keep away from foodstuff, drinks and tobacco. Eating, drinking and smoking should be prohibited in area where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Ensure that eyewash station and safety shower is proximal to the work-station location. In case of accident or if you feel unwell, seek medical advice immediately (show the label when possible). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to isocyanates should avoid any contact with this product. ATTENTION: Isocyanate vapors cannot be smelled until concentrations are well above the safe exposure limit! Do not use jacket-type drum heaters, do not heat over 80 C(176 F).

Storage

Keep away from heat. Keep away from sources of ignition. Keep container tightly closed and in a well-ventilated place. Contains moisture sensitive material; store in a dry place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room. Provide an inert gas pad if stored in bulk. Keep away from incompatibles.

Section 8. Exposure Controls/Personal Protection

Engineering Controls

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location. Do air monitoring if possible.

Personal Protection

During mixing, handling and application: Splash goggles. Full protective clothing. Gloves (impervious). Suitable respiratory equipment. When air concentrations are not known or above the TLV, an air-supplied respirator or SCBA (self-contained breathing apparatus) is required. Refer to OSHA Respiratory Protection Standard (29 CFR 1910.134).
When welding, refer to OSHA Standard (29 CFR 1926.354): Welding, Cutting and Heating in Way of Preservative Coatings.
ATTN: Air-purifying (cartridge type) respirators are not approved for protection against isocyanates due to their low warning properties.

Personal Protection in Case of a Large Spill

Splash goggles. Full suit. Boots. Gloves (impervious). Self-contained breathing apparatus (for above TLV, or unknown vapor concentrations), must be used to avoid inhalation af the product.

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.
Molecular Weight	Not applicable.
pH (1% soln/water)	Neutral.

Odor	Odorless.
Taste	Not available.
Color	Clear

Boiling Point	Not available.	**Odor Threshold**	ATTENTION: ISOCYANATE VAPORS CANNOT BE SMELLED UNTIL CONCENTRATIONS ARE WELL ABOVE THE SAFE EXPOSURE LIMIT!
Melting Point	Not available.	**Evaporation rate**	Not available.
Critical Temperature	Not available.	**Viscosity**	Not available.
Specific Gravity	1.11 (Water = 1)	**Water/Oil Dist. Coeff.**	Not available.
Vapor Pressure	1 mm of Hg (@ 20°C)	**Ionicity (in Water)**	Not available.
Vapor Density	Not available.	**Dispersion Properties**	Is not dispersed in water.
Volatility	Non-volatile.	**Solubility**	Insoluble in water.

Section 10. Stability and Reactivity Data

Stability

The product is stable.

Instability Temperature

Not available.

Conditions of Instability

No additional remarks.

Incompatibility with various substances

Incompatible with water, strong oxidizing agents, amines, strong bases, strong acids, alcohols. Absorbs moisture from the air. Reacts slowly with water to liberate CO2 gas.

Corrosivity

No specific information is available in our database regarding the corrosivity of this product in presence of various materials.

Special Remarks on Reactivity

No additional remarks.

Section 11. Toxicological Information

Routes of Entry	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
Toxicity to Animals	See: Section 2
Chronic Effects on Humans	Sensitive individuals may develop eczema and/or asthma on inhalation of this material. However, in light of good industrial hygiene, exposure to any chemical should be kept to a minimum.
Other Toxic Effects on Humans	See: Section 3
Special Remarks on Toxicity to Animals	Carcinogenic effects: No substantial evidence. Mutagenic effects: No substantial evidence. The ingredients of this product are not classified as carcinogenic by ACGIH or IARC, not regulated as carcinogens by OSHA, and not listed as carcinogens by NTP.
Special Remarks on Chronic Effects on Humans	Isocyanates are not known to cause cancer in humans. Sensitive individuals may develop eczema and/or asthma on inhalation of this material. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.
Special Remarks on other Toxic Effects on Humans	Over-exposure can cause lung irritation, chest pain and oedema which may be fatal. Sensitizer - skin and inhalation.

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remarks.

Section 13. Disposal Considerations

Waste Disposal	In accordance with municipal, state, and federal regulations. Consult your local or regional authorities. Empty decontaminated containers should be crushed to prevent re-use. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
DOT Identification number	Not applicable (PIN and PG).
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Material Safety Data Sheet

Product Name: **Polyflex 311A.0 ISO-Catalyst**

Section 15. Other Regulatory Information and Pictograms

Other Regulations

TSCA (Toxic Substance Control Act): All components of this product are either reported in EPA TSCA Inventory, or exempt. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).

Other Classifications

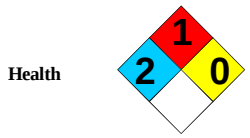
WHMIS (Canada)

DSCL (EEC)

Hazardous Material Information System (U.S.A.)

Health Hazard	2
Fire Hazard	1
Reactivity	0
Personal Protection	X

National Fire Protection Association (U.S.A.)



Health

Fire Hazard

Reactivity

Specific hazard

WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Clothing (Pictograms)

Section 16. Other Information

References

-Manufacturer's Material Safety Data Sheets.

Other Special Considerations

Medical supervision of all employees who come in contact with this product is recommended (pre-employment and periodic medical examination). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to sensitizers, should avoid any contact with this product.

Validated by HS Reg.Depart.REg.SS on 1/15/2015.

Verified by HS Reg.Depart.REg.SS.

Printed 1/15/2015.

EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Material Safety Data Sheet

Date Originated: 1/14/2015

NFPA	HCS Risk Phrases	Protective Clothing
	**HCS CLASS: Toxic.** **HCS CLASS: Irritating substance.** **HCS CLASS: Sensitizing substance.** **HCS CLASS: Combustible liquid IIIB having a flash point higher than 93.3°C (200°F).**	

Section 1. Chemical Product and Company Identification

Product Name

Polyflex 311B. All colors

Synonym

WP311B.XX

Manufacturer

SUPPLIER:
Wasser Corporation
4118 B PL NW, Suite B
Auburn, WA 98001, US
Phone# 253-850-2967

Chemical Family

Not applicable.

In case of Emergency

EMERGENCY PHONE NUMBERS:
USA and Canada: 1-800 424-9300
International: 1-703 527-3887.

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	TLV/PEL	LC_{50}/LD_{50}
N,N'-dialkylaminodiphenylmethane	5285-60-9	7-13	Not available.	ORAL (LD50): Acute: 1410 mg/kg [Rat]. DERMAL (LD50): Acute: >3160 mg/kg [Rabbit].
2,4-Diethyltoluenediamine	2095-02-5	7-13	Not available.	ORAL (LD50): Acute: 504 mg/kg [Rat]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit].
Poly(oxy(methyl-1,2-ethanediyl)), alpha-(2-aminomethylethyl)omega-(2-aminomethylethoxy)	9046-10-0	5-10	Not available.	ORAL (LD50): Acute: 480 mg/kg [Rat]. DERMAL (LD50): Acute: 2090 mg/kg [Rabbit].
Triethanolamine	102-71-6	3-7	TWA: 3 (mg/m^3) from ACGIH	ORAL (LD50): Acute: 1625 mg/kg [Rat]. DERMAL (LD50): Acute: 1220 mg/kg [Rabbit].
2,6-Diethyltoluenediamine	2095-01-4	1-5	TWA: 0.02 (ppm)	ORAL (LD50): Acute: 504 mg/kg [Rat]. DERMAL (LD50): Acute: 1000 mg/kg [Rabbit].

Section 3. Hazards Identification

Routes of Entry: Inhalation. Skin contact (absorption). Eye contact. Ingestion.

Potential Acute Health Effects

Eyes: Liquid or spray mist may irritate eyes. Over-exposure may cause severe irritation. Inflammation of the eye is characterized by redness, watering, and itching.

Skin: This product may irritate skin upon contact. Harmful if absorbed through the skin. May cause skin sensitization. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Ingestion: Harmful if swallowed. Irritation or chemical burns of the mouth, pharynx, esophagus and stomach can develop following ingestion of this product. Even small amounts of liquid aspirated into the lungs during ingestion or vomiting may cause pulmonary injury and possibly death.

Inhalation: Harmful if inhaled (Irritant, sensitizer). Over-exposure by inhalation of the vapors/spray mist may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath. May cause sensitization by inhalation. Massive exposure can cause death.

Potential Chronic Health Effects

Eyes: Repeated or prolonged contact with spray mist may produce chronic eye irritation.

Skin: Repeated skin exposure can produce local skin destruction, or dermatitis, possibly sensitization.

Ingestion: May be fatal if swallowed.

Inhalation: Repeated or prolonged inhalation of vapors/spray mist may lead to chronic respiratory irritation. May cause sensitization by inhalation.

Other chronic effects on Humans The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Toxicity of the product to the reproductive system: Not available. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.

Section 4. First Aid Measures

Eye Contact Check for and remove any contact lenses. IMMEDIATELY flush eyes with running water for at least 20 minutes, keeping eyelids open. DO NOT use an eye ointment. Seek medical attention.

Skin Contact Wash gently and thoroughly the contaminated skin with running water and non-abrasive soap. Rinse with plenty of running water (15-30 minutes). If irritation persists, seek medical attention.

Hazardous Skin Contact If the chemical gets onto the clothed portion of the body, remove the contaminated clothes as quickly as possible, protecting your own hands and body. Place the person under shower. Wash gently and thoroughly the contaminated skin with running water and non abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Rinse with plenty of running water (15-30 minutes). Seek medical attention. Wash contaminated clothing before reusing.

Inhalation Allow the person to rest in a well ventilated area. Loosen tight clothing around the person's neck and waist. If symptoms persist, seek medical advice immediately (show the label when possible).

Hazardous Inhalation Evacuate the person to a safe area as soon as possible. Loosen tight clothing around the person's neck and waist. If the person is not breathing, administer mouth-to-mouth resuscitation. Warning: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation if the material is toxic, infectious or corrosive. Oxygen may be administered if breathing is difficult. Seek medical attention.

Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water. Seek immediate medical attention.

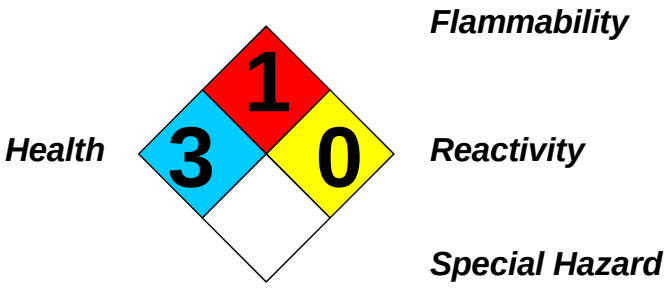
Hazardous Ingestion DO NOT induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Have conscious person drink several glasses of water or milk. Never give an unconscious person anything to ingest. Even small amounts of liquid aspirated into lungs during ingestion or from vomiting may cause mild to severe pulmonary injury and possibly death. If the person is not breathing, administer mouth-to-mouth resuscitation. WARNING: It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. If breathing is difficult, administer oxygen. Seek immediate medical attention.

Material Safety Data Sheet

Product Name: **Polyflex 311B. All colors**

Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	Not available.
Flash Points	The lowest known value is CLOSED CUP: Higher than 93.3°C (200°F).. (Pensky-Martens.). (Polypropylene glycol)
Flammable Limits	Not available.
Products of Combustion	Carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...) and other identified, possible toxic compounds.
Fire Hazards in Presence of Various Substances	Slightly flammable to flammable in presence of open flames and sparks, of heat.
Explosion Hazards in Presence of Various Substances	Risks of explosion of the product in presence of mechanical impact: Not available. Risks of explosion of the product in presence of static discharge: Not available.
Fire Fighting Media and Instructions	SMALL FIRE: Use DRY chemicals, CO2, alcohol foam or water spray. LARGE FIRE: Use alcohol foam, water spray or fog. Never direct a water jet in the container in order to prevent any splashing of the product which could cause spreading of the fire. Cool containing vessels with water spray or fog in order to prevent pressure build-up, autoignition or explosion.
Special Remarks on Fire Hazards	Container explosion may occur under fire conditions or when heated.
Special Remarks on Explosion Hazards	Container explosion may occur under fire conditions or when heated (due to pressure build-up).



Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and put the spilled material in an appropriate waste disposal. Wear suitable protective clothing and proper respirator.
Large Spill	Combustible liquid, insoluble or very slightly soluble in water. Absorb with an inert material and put the spilled material in an appropriate waste disposal. Prevent entry into sewers, basements or confined areas; dike if needed. Call for assistance on disposal.

Material Safety Data Sheet

Product Name: **Polyflex 311B. All colors**

Section 7. Handling and Storage

Precautions	Keep away from heat. Keep away from sources of ignition. Avoid contact with skin and eyes. Do not breathe gas, fumes, vapor or spray. Do not ingest. Wear suitable protective clothing.
Storage	Keep container dry. Keep container tightly closed. Keep in a cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls/Personal Protection

Engineering Controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash station and safety shower is proximal to the work-station location. Do air monitoring if possible.
Personal Protection	Chemical safety goggles.Contact lenses not be worn when working with this chemical. Wear appropriate respirator when ventilation is inadequate.None required under normal use.NIOH approved air-purifying particulate respirator with N-95 filter.When contamination level exceed the recommended exposure limits.Wear imprervious protective clothing, splash goggles.
Personal Protection in Case of a Large Spill	Splash goggles. Full suit. Boots. Gloves.Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	**Odor**	Slight.
Molecular Weight	Not applicable.	**Taste**	Not available.
pH (1% soln/water)	Neutral.	**Color**	Varied.
Boiling Point	The lowest known value is 340°C (644°F) (Triethanolamine).	**Odor Threshold**	Not available.
Melting Point	May start to solidify at 21°C (69.8°F) based on data for: Triethanolamine .	**Evaporation rate**	Not available.
Critical Temperature	Not available.	**Viscosity**	Not available.
Specific Gravity	1.02-1.12 (Water = 1)	**Water/Oil Dist. Coeff.**	Not available.
Vapor Pressure	The highest known value is 0.01 mm of Hg (@ 20°C) (Triethanolamine).	**Ionicity (in Water)**	Not available.
Vapor Density	Not available.	**Dispersion Properties**	Is not dispersed in water.
Volatility	0% (v/v). 0% (w/w).	**Solubility**	Insoluble in water.

Section 10. Stability and Reactivity Data

Stability	The product is stable.
Instability Temperature	Not available.
Conditions of Instability	No additional remarks.
Incompatibility with various substances	Incompatible with water, strong oxidizing agents, amines, strong bases, strong acids, alcohols. Absorbs moisture from the air. Reacts slowly with water to liberate CO2 gas.
Corrosivity	No specific information is available in our database regarding the corrosivity of this product in presence of various materials.
Special Remarks on Reactivity	No additional remarks.
Special Remarks on Corrosivity	No additional remarks.

Section 11. Toxicological Information

Routes of Entry	Inhalation. Skin contact (absorption). Eye contact. Ingestion.
Toxicity to Animals	See: Section 2
Chronic Effects on Humans	The substance is toxic to mucous membranes, upper respiratory tract, lungs, blood, kidney, liver. Toxicity of the product to the reproductive system: Not available. Exposure may cause asthma, dermatitis and pulmonary oedema; effects may be delayed.
Other Toxic Effects on Humans	See: Section 3
Special Remarks on Toxicity to Animals	No additional remark.
Special Remarks on Chronic Effects on Humans	The IARC and NTP have concluded that certain polycyclic aromatic hydrocarbons are probably carcinogenic to humans (Group 2A and B) (Extracts (petroleum), heavy paraffinic distillate solvent)
Special Remarks on other Toxic Effects on Humans	Moderately toxic if swallowed. An allergen. An eye irritant. (Castor oil)

Section 12. Ecological Information

Ecotoxicity	Not available.
BOD5 and COD	Not available.
Products of Biodegradation	Not available.
Toxicity of the Products of Biodegradation	Not available.
Special Remarks on the Products of Biodegradation	No additional remarks.

Section 13. Disposal Considerations

Waste Disposal	In accordance with municipal, state, and federal regulations. Consult your local or regional authorities. Empty decontaminated containers should be crushed to prevent re-use. Empty containers must be handled with care due to product residue. Do not heat or cut empty containers with electric or gas torch.

Section 14. Transport Information

DOT Classification	Not a DOT controlled material (United States).
DOT Identification number	Not applicable (PIN and PG).
Special Provisions for Transport	Not applicable.
DOT (Pictograms)	

Material Safety Data Sheet

Product Name: Polyflex 311B. All colors

Section 15. Other Regulatory Information and Pictograms

Other Regulations

TSCA (Toxic Substance Control Act): All components of this product are either reported in EPA TSCA Inventory, or exempt. OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA): All components of this product are either on the Domestic Substances List (DSL), or exempt, and acceptable for use under the provisions of CEPA.

Other Classifications

WHMIS (Canada)

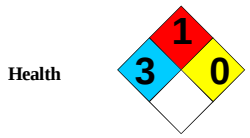
WHMIS CLASS D-1: Material causing immediate and serious toxic effects.
WHMIS CLASS D-2A: Material causing other toxic effects (VERY TOXIC).
WHMIS CLASS D-2B: Material causing other toxic effects (TOXIC).

DSCL (EEC)

Hazardous Material Information System (U.S.A.)

Health Hazard	3
Fire Hazard	1
Reactivity	0
Personal Protection	X

National Fire Protection Association (U.S.A.)



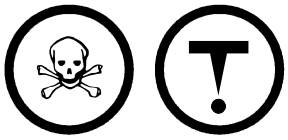
Health

Fire Hazard

Reactivity

Specific hazard

WHMIS (Canada) (Pictograms)

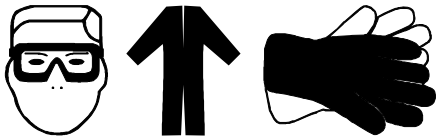


DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Clothing (Pictograms)



Section 16. Other Information

References

-Manufacturer's Material Safety Data Sheets.
Hazardous Chemicals Desk Reference, R.J. Lewis, Sr. 2nd ed. 1991 Van Nostrand Reinhold.
Hawley, G.G.. The Condensed Chemical Dictionary, 12th ed., New York N.Y., Van Nostrand Reinhold, 1987.

Other Special Considerations

Medical supervision of all employees who come in contact with this product is recommended (pre-employment and periodic medical examination). Individuals with respiratory problems (asthma, chronic bronchitis), or allergic to sensitizers, should avoid any contact with this product.

Validated by HS Reg.Depart.Reg.SS on 1/14/2015.

Verified by HS Reg.Depart.Reg.SS.

Printed 1/14/2015.

EMERGENCY PHONE NUMBERS:
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