



Material Safety Data Sheet

Date Originated: 08/06/2009

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NFPA 	HCS Risk Phrases HCS CLASS: Toxic. HCS CLASS: Corrosive liquid. HCS CLASS: Target organ effects.	Protective Clothing 
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Section 1. Chemical Product and Company Identification

Product Name

Polyflex 401B Black Resin

Synonym

WP401B.79

Manufacturer

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

Chemical Family

Not available (PAINT).

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
Poly(oxy(methyl-1,2-ethanediyl)), alpha-(2-aminomethylethyl)omega-(2-aminomethylethoxy)	9046-10-0	30-60	Not available.	ORAL (LD50): Acute: 480 mg/kg [Rat]. DERMAL (LD50): Acute: 2090 mg/kg [Rabbit].
2,4-Diethyltoluenediamine	2095-02-5	10-30	Not available.	ORAL (LD50): Acute: 504 mg/kg [Rat].
Glyceryl Poly(oxypropylene) triamine	64852-22-8	10-30	Not available.	ORAL (LD50): Acute: 2700 mg/kg [Rat]. DERMAL (LD50): Acute: 12500 mg/kg [Rabbit].
2,6-Diethyltoluenediamine	2095-01-4	1-5	TWA: 0.02 (ppm)	ORAL (LD50): Acute: 504 mg/kg [Rat].
Carbon Black	1333-86-4	0-1	TWA: 3.5 (mg/m ³) from ACGIH	Not available.

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Section 3. Hazards Identification

Routes of Entry: Eye contact. Ingestion.

Potential Acute Health Effects

Eyes: Causes irritation experienced as pain, seen as extreme redness and swelling of the eye. This product can cause chemical burns.

Skin: Corrosive to skin on contact. Skin contact may produce burns, possibly methemoglobinemia (with symptoms of cyanosis).

Ingestion: May cause burns to mouth, throat and stomach. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

Inhalation: Inhalation of the spray mist or form vapours (especially those generated from heating the product) may produce severe irritation of the nose, throat and respiratory tract.

Potential Chronic Health Effects

Eyes: Not available

Skin: Repeated skin exposure can cause persistent irritation or dermatitis.

Ingestion: Not available.

Inhalation: Repeated inhalation may cause lung damage.

Other chronic effects on Humans

Sensitive individuals may develop eczema and/or asthma on contact with this material.

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 Rinse with plenty of running water (15-30 minutes). Dermal contact with this corrosive liquid causes severe skin irritation. Do not apply greases or ointments. 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. If the chemical touches the person's exposed skin, such as the hands, gently and thoroughly wash the contaminated skin with running water. Be particularly careful to clean folds, crevices, creases and groin. Dermal contact with this corrosive liquid causes severe skin irritation. Do not apply greases or ointments. Control shock, if present. SEEK IMMEDIATE MEDICAL ATTENTION.

Inhalation Allow the victim to rest in a well ventilated area. Seek immediate medical attention.

Hazardous Inhalation Evacuate the person to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the person is not breathing, perform 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. Seek immediate medical attention.

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

Hazardous Ingestion DO NOT induce vomiting. Have conscious person drink several glasses of water or milk. Loosen tight clothing such as a collar, tie, belt or waistband. Never give an unconscious person anything to ingest. 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 material is toxic, infectious or corrosive. Avoid mouth-to-mouth contact by using mouth guards or shields. Seek immediate medical attention.

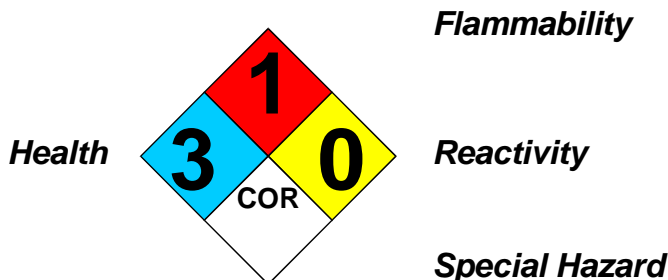
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Section 5. Fire and Explosion Data

Flammability of the Product	Combustible.
Auto-Ignition Temperature	Not available.
Flash Points	The lowest known value is CLOSED CUP: 160°C (320°F) . (Pensky-Martens.). (2,4-Diethyltoluenediamine)
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	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	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	No additional remarks.



Section 6. Accidental Release Measures

Small Spill	Absorb with an inert material and place in an appropriate waste disposal container. Warn personnel to move away. Wear suitable protective clothing and proper respirator.
Large Spill	Combustible liquid. Corrosive liquid. Keep away from heat. Keep away from sources of ignition. Stop leak if without risk. Absorb with DRY earth, sand or other non-combustible material. DO NOT get water inside container. DO NOT touch spilled material. Try to work in the in the same direction as the wind is blowing relative to the spilt product. Prevent entry into sewers, basements or confined areas; dike if needed. Eliminate all sources of ignition. Call for assistance on disposal.

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Section 7. Handling and Storage

Precautions Keep locked up. Keep container dry. Keep away from heat. Do not breathe gas, fumes, vapor or spray. Never add water to this product. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

Storage May corrode metallic surfaces. Keep away from heat. Keep away from sources of ignition. Keep container tightly closed. Keep in a cool, well-ventilated place.

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 workstation location.

Personal Protection Face shield. Full suit. Gloves. Boots. Wear appropriate respirator when ventilation is inadequate. Be sure to use a MSHA/NIOSH approved respirator or equivalent.

Personal Protection in Case of a Large Spill Splash goggles. Full suit. Vapor respirator. Boots. Gloves.

Section 9. Physical and Chemical Properties

Physical state and appearance	Liquid.	Odor	Ammoniacal.
Molecular Weight	Not applicable.	Taste	Not available.
pH (1% soln/water)	Not available.	Color	Black
Boiling Point	Not available.	Odor Threshold	Not available.
Melting Point	Not available.	Evaporation rate	Not available.
Critical Temperature	Not available.	Viscosity	Not available.
Specific Gravity	1.01 (Water = 1)	Water/Oil Dist. Coeff.	Not available.
Vapor Pressure	Not available.	Ionicity (in Water)	Not available.
Vapor Density	Not available.	Dispersion Properties	Not available.
Volatility	Non-volatile.	Solubility	Not available.

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 Reactive with strong oxidizing agents and acids.

Corrosivity Non-corrosive in presence of glass.

Special Remarks on Reactivity No additional remarks.

Special Remarks on Corrosivity No additional remark.

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Section 11. Toxicological Information

Routes of Entry	Eye contact. Ingestion.
Toxicity to Animals	See: Section II
Chronic Effects on Humans	Sensitive individuals may develop eczema and/or asthma on contact with this material.
Other Toxic Effects on Humans	Very dangerous in case of skin contact (corrosive), of eye contact (corrosive).
Special Remarks on Toxicity to Animals	IARC Cancer Review: Group 2B - Animal Sufficient Evidence. Human Inadequate Evidence. (Carbon black)
Special Remarks on Chronic Effects on Humans	Repeated skin contact may cause persistent irritation or dermatitis. Repeated inhalation may cause lung damage.
Special Remarks on other Toxic Effects on Humans	No additional remarks.

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	Recycle to process, if possible. Consult your local or regional authorities.
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Section 14. Transport Information

DOT Classification	DOT CLASS 8: Corrosive liquid P.G. III.
DOT Identification number	UN3066 Paint
Special Provisions for Transport	No additional remarks.
DOT (Pictograms)	



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Section 15. Other Regulatory Information and Pictograms

Other Regulations OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200). TSCA (Toxic Substance Control Act): All components of this product are listed on the TSCA Inventory.

Other Classifications WHMIS (Canada)

DSCL (EEC)

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

Health Hazard	3
Fire Hazard	1
Reactivity	0
Personal Protection	

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

Health



Fire Hazard

Reactivity

Specific hazard

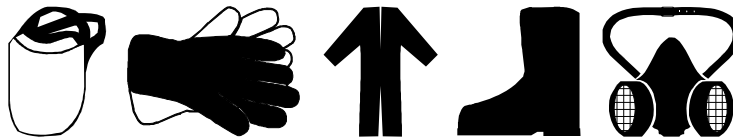
WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

ADR (Europe) (Pictograms)

Protective Clothing (Pictograms)



Section 16. Other Information

References Manufacturer's MSDS, RTESC, NIOSH, CCOHS.

Other Special Considerations Individuals with respiratory problems (asthma, chronic bronchitis) should avoid any contact with this product.

Validated by Heidi Brown on 08/06/2009.

Verified by Heidi Brown .

Printed 08/06/2009.

EMERGENCY PHONE NUMBERS:

USA and Canada: 1-800 424-9300

International: 1-703 527-3887

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