

207-00

MATERIAL SAFETY DATA SHEET

MAX LIGHT
90036
Black Flashstamp Ink

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER: Polypore, Inc. 4601 S 3rd Ave. Tucson, AZ 85714
EMERGENCY PHONE NUMBER: 520-889-3306; Chemtel 800-255-3924; International 813-248-0585
TRADE NAME: Polypore Ink # 90036, Black Flashstamp Ink, Maxlight
Chemical Name: Proprietary
Chemical Family: Glycol Ink
Chemical Formula: Proprietary

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Polypore to qualified Medical or Industrial Hygiene personnel as privileged information upon request in case of need for specific treatment.

INGREDIENTS	CAS #	REL/TLV
Diethylene Glycol <20%	111-46-6	50ppm(TLV), 100 (DOW)
2 Ethyl, 1,3 Hexanediol <20%	94-96-2	none established
Dibutyl Phthalate <2%	84-74-2	5 mg/m3
Polyether Polyol <20%	025322-69-4	AIHA WEEL 10 mg/m3 (aerosol)
Solvent Red 33 <5%	73507-36-5	Not Established
Solvent Red 229 <4%	Proprietary	Not established

SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE: Black Liquid	ODOR: Mild characteristic odor
BOILING POINT: (oF/oC): >350° F	SPECIFIC GRAVITY: not established
VAPOR PRESSURE (mm Hg) not estab.	%VOLATILE(by volume): not established
EVAPORATION RATE (AIR = 1) heavier vs Air	SOLUBILITY IN WATER: Moderate
EVAPORATION RATE: Slower vs BuAc	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): >250° F
 FLAMMABLE LIMITS (percentage by volume): LEL: not estab. UEL: not estab.
 FIRE EXTINGUISHING MEDIA: Water Spray, dry chemical, CO₂, or foam
 SPECIAL FIRE FIGHTING PROCEDURES:
 Full protective clothing, self-contained breathing apparatus. Use water to keep containers cool and flush spills away from source of ignition.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
 HAZARDOUS PRODUCTS OF COMBUSTION:
 Carbon monoxide, Carbon Dioxide, oxides of nitrogen and smoke.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established, see Section II.
 EFFECTS OF OVEREXPOSURE:
 Skin: Contact with skin may cause irritation
 Eyes: May cause moderately severe irritation such as pain, excess tearing, redness and swelling of conjunctiva with moderate discharge.
 Ingestion: May be harmful or fatal if swallowed. Several ingredients are TOXIC by ingestion (see section II). May cause pain and discomfort in the abdominal and lumbar regions, CNS depression, kidney and liver damage, nausea, vomiting, diarrhea, dizziness, drowsiness, malaise, irritation of mouth and throat, and loss of consciousness.
 Inhalation: May irritate nose, mouth and throat. Mists at high temperatures may be harmful if inhaled

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders or impaired kidney, liver and CNS functions.

Other: Diethylene Glycol Toxicity Data: LD50, Oral (rat) 14.8 g/kg, (Human) 1000 mg/kg; LD50, Dermal(rabbit) 11.9 g/kg. Overexposure may result in delayed liver and or kidney damage. 2 Ethyl 1,3 Hexanediol, through repeated skin contact, may result in the development of an allergic skin reaction in a very small proportion of individuals, and may promote absorption of other chemicals through the skin. Acutely toxic doses may result in liver and kidney damage. Polyether Polyol Toxicity data: LD50 (dermal) Rabbit >10,000 mg/kg; LD50, oral (rat) 1000-2000 mg/kg.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with water for 15 minutes, raising upper and lower lids occasionally. Consult a physical immediately.

Skin: Wash skin with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation persists consult a physician.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Immediately seek medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.

SECTION VI - REACTIVITY DATA

STABILITY: yes

CONDITIONS TO AVOID: excessive heat, open flames.

INCOMPATIBILITY (Materials to avoid for purposes of transport, storage and handling): Oxidizers, strong acids, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS:

Carbon monoxide, carbon dioxide, possible aldehydes, ketones, organic acids and polymer fragments

HAZARDOUS POLYMERIZATION: will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Extinguish all sources of ignition in vicinity of spill or release vapors. Ventilate and clean up spills with absorbent clay, diatomaceous earth, or other inert absorbent. Place material in suitable containers for disposal in a RCRA licensed facility. Observe cautions in Section IX.

WASTE DISPOSAL METHOD:

Place contaminated materials in disposable containers and bury in an approved sanitary landfill, in accordance with local, state and federal regulations. Do not discharge into waterways or sewer systems.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Adequate ventilation is required. In confined area, use of chemical cartridge respirators certified by NIOSH/MSHA for organic vapors will provide temporary protection.

VENTILATION:

LOCAL EXHAUST: Recommended to provide adequate ventilation

MECHANICAL: none

PROTECTIVE GLOVES: Chemical resistant gloves to prevent skin contact

EYE PROTECTION: Chemical goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Chemical resistant clothing as necessary to prevent skin contact.

An emergency eyewash fountain should be easily accessible.

WORK HYGIENE PRACTICES: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid inhalation of high concentrations of vapors. Store in cool, well-ventilated area away from heat, sparks and open flame.

207-05

MATERIAL SAFETY DATA SHEET

MAX LIGHT
90036
Blue Flashstamp Ink

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER: Polypore, Inc. 4601 S 3rd Ave. Tucson, AZ 85714
EMERGENCY PHONE NUMBER: 520-889-3306; Chemtel 800-255-3924; International 813-248-0585
TRADE NAME: Polypore Ink # 90036, Blue Flashstamp Ink, Maxlight
Chemical Name: Proprietary
Chemical Family: Glycol Ink
Chemical Formula: Proprietary

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Polypore to qualified Medical or Industrial Hygiene personnel as privileged information upon request in case of need for specific treatment.

INGREDIENTS	CAS #	PEL/TLV
Diethylene Glycol <20%	111-46-6	50ppm(TLV), 100 (DOW)
2 Ethyl, 1,3 Hexanediol <20%	94-96-2	none established
Dibutyl Phthalate <2%	84-74-2	5 mg/m3
Polyether Polyol <20%	025322-69-4	AIHA WEEL 10 mg/m3 (aerosol)
Solvent Red 33 <5%	73507-36-5	Not Established
Solvent Red 229 <4%	Proprietary	Not established

SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE: Dark Blue Liquid	ODOR: Mild characteristic odor
BOILING POINT: (oF/oC): >350° F	SPECIFIC GRAVITY: not established
VAPOR PRESSURE (mm Hg) not estab.	%VOLATILE(by volume): not established
EVAPORATION RATE (AIR = 1) heavier vs Air	SOLUBILITY IN WATER: Moderate
EVAPORATION RATE: Slower vs BuAc	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): >250° F
 FLAMMABLE LIMITS (percentage by volume): LEL: not estab. UEL: not estab.
 FIRE EXTINGUISHING MEDIA: Water Spray, dry chemical, CO₂, or foam
 SPECIAL FIRE FIGHTING PROCEDURES:
 Full protective clothing, self-contained breathing apparatus. Use water to keep containers cool and flush spills away from source of ignition.
 UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
 HAZARDOUS PRODUCTS OF COMBUSTION:
 Carbon monoxide, Carbon Dioxide, oxides of nitrogen and smoke.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established, see Section II.
 EFFECTS OF OVEREXPOSURE:
 Skin: Contact with skin may cause irritation
 Eyes: May cause moderately severe irritation such as pain, excess tearing, redness and swelling of conjunctiva with moderate discharge.
 Ingestion: May be harmful or fatal if swallowed. Several ingredients are TOXIC by ingestion (see section II). May cause pain and discomfort in the abdominal and lumbar regions, CNS depression, kidney and liver damage, nausea, vomiting, diarrhea, dizziness, drowsiness, malaise, irritation of mouth and throat, and loss of consciousness.
 Inhalation: May irritate nose, mouth and throat. Mists at high temperatures may be harmful if inhaled

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders or impaired kidney, liver and CNS functions.

Other: Diethylene Glycol Toxicity Data: LD50, Oral (rat) 14.8 g/kg, (Human) 1000 mg/kg; LD50, Dermal(rabbit) 11.9 g/kg. Overexposure may result in delayed liver and or kidney damage. 2 Ethyl 1,3 Hexanediol, through repeated skin contact, may result in the development of an allergic skin reaction in a very small proportion of individuals, and may promote absorption of other chemicals through the skin. Acutely toxic doses may result in liver and kidney damage. Polyether Polyol Toxicity data: LD50 (dermal) Rabbit >10,000 mg/kg; LD50, oral (rat) 1000-2000 mg/kg.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with water for 15 minutes, raising upper and lower lids occasionally.

Consult a physical immediately.

Skin: Wash skin with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation persists consult a physician.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Immediately seek medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.

SECTION VI - REACTIVITY DATA

STABILITY: yes

CONDITIONS TO AVOID: excessive heat, open flames.

INCOMPATIBILITY (Materials to avoid for purposes of transport, storage and handling): Oxidizers, strong acids, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS;

Carbon monoxide, carbon dioxide, possible aldehydes, ketones, organic acids and polymer fragments

HAZARDOUS POLYMERIZATION: will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Extinguish all sources of ignition in vicinity of spill or release vapors. Ventilate and clean up spills with absorbent clay, diatomaceous earth, or other inert absorbent. Place material in suitable containers for disposal in a RCRA licensed facility. Observe cautions in Section IX.

WASTE DISPOSAL METHOD:

Place contaminated materials in disposable containers and bury in an approved sanitary landfill, in accordance with local, state and federal regulations. Do not discharge into waterways or sewer systems.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Adequate ventilation is required. In confined area, use of chemical cartridge respirators certified by NIOSH/MSHA for organic vapors will provide temporary protection.

VENTILATION:

LOCAL EXHAUST: Recommended to provide adequate ventilation

MECHANICAL: none

PROTECTIVE GLOVES: Chemical resistant gloves to prevent skin contact

EYE PROTECTION: Chemical goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Chemical resistant clothing as necessary to prevent skin contact.

An emergency eyewash fountain should be easily accessible.

WORK HYGIENE PRACTICES: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid inhalation of high concentrations of vapors. Store in cool, well-ventilated area away from heat, sparks and open flame.

207-20
Green

MATERIAL SAFETY DATA SHEET

MAX LIGHT
90036
Green Flashstamp Ink

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER: Polypore, Inc. 4601 S 3rd Ave. Tucson, AZ 85714
EMERGENCY PHONE NUMBER: 520-889-3306; Chemtel 800-255-3924; International 813-248-0585
TRADE NAME: Polypore Ink # 90036, Green Flashstamp Ink, Maxlight
Chemical Name: Proprietary
Chemical Family: Glycol Ink
Chemical Formula: Proprietary

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Polypore to qualified Medical or Industrial Hygiene personnel as privileged information upon request in case of need for specific treatment.

INGREDIENTS	CAS #	PEL/TLV
Diethylene Glycol <20%	111-46-6	50ppm(TLV), 100 (DOW)
2 Ethyl, 1,3 Hexanediol <20%	94-96-2	none established
Dibutyl Phthalate <2%	84-74-2	5 mg/m3
Polyether Polyol <20%	025322-69-4	AIHA WEEL 10 mg/m3 (aerosol)
Solvent Red 33 <5%	73507-36-5	Not Established
Solvent Red 229 <4%	Proprietary	Not established

SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE: Dark Green Liquid	ODOR: Mild characteristic odor
BOILING POINT: (oF/oC): >350° F	SPECIFIC GRAVITY: not established
VAPOR PRESSURE (mm Hg) not estab.	%VOLATILE (by volume): not established
EVAPORATION RATE (AIR = 1) heavier vs Air	SOLUBILITY IN WATER: Moderate
EVAPORATION RATE: Slower vs BuAc	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): >250° F
FLAMMABLE LIMITS (percentage by volume): LEL: not estab. UEL: not estab.
FIRE EXTINGUISHING MEDIA: Water Spray, dry chemical, CO₂, or foam
SPECIAL FIRE FIGHTING PROCEDURES:
 Full protective clothing, self-contained breathing apparatus. Use water to keep containers cool and flush spills away from source of ignition.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
HAZARDOUS PRODUCTS OF COMBUSTION:
 Carbon monoxide, Carbon Dioxide, oxides of nitrogen and smoke.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established, see Section II.
EFFECTS OF OVEREXPOSURE:
Skin: Contact with skin may cause irritation
Eyes: May cause moderately severe irritation such as pain, excess tearing, redness and swelling of conjunctiva with moderate discharge.
Ingestion: May be harmful or fatal if swallowed. Several ingredients are TOXIC by ingestion (see section II). May cause pain and discomfort in the abdominal and lumbar regions, CNS depression, kidney and liver damage, nausea, vomiting, diarrhea, dizziness, drowsiness, malaise, irritation of mouth and throat, and loss of consciousness.
Inhalation: May irritate nose, mouth and throat. Mists at high temperatures may be harmful if inhaled

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders or impaired kidney, liver and CNS functions.

Other: Diethylene Glycol Toxicity Data: LD50, Oral (rat) 14.8 g/kg, (Human) 1000 mg/kg; LD50, Dermal(rabbit) 11.9 g/kg. Overexposure may result in delayed liver and or kidney damage. 2 Ethyl 1,3 Hexanediol, through repeated skin contact, may result in the development of an allergic skin reaction in a very small proportion of individuals, and may promote absorption of other chemicals through the skin. Acutely toxic doses may result in liver and kidney damage. Polyether Polyol Toxicity data: LD50 (dermal) Rabbit >10,000 mg/kg; LD50, oral (rat) 1000-2000 mg/kg.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with water for 15 minutes, raising upper and lower lids occasionally. Consult a physical immediately.

Skin: Wash skin with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation persists consult a physician.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Immediately seek medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.

SECTION VI - REACTIVITY DATA

STABILITY: yes

CONDITIONS TO AVOID: excessive heat, open flames.

INCOMPATIBILITY (Materials to avoid for purposes of transport, storage and handling): Oxidizers, strong acids, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS;

Carbon monoxide, carbon dioxide, possible aldehydes, ketones, organic acids and polymer fragments

HAZARDOUS POLYMERIZATION: will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Extinguish all sources of ignition in vicinity of spill or release vapors. Ventilate and clean up spills with absorbent clay, diatomaceous earth, or other inert absorbent. Place material in suitable containers for disposal in a RCRA licensed facility. Observe cautions in Section IX.

WASTE DISPOSAL METHOD:

Place contaminated materials in disposable containers and bury in an approved sanitary landfill, in accordance with local, state and federal regulations. Do not discharge into waterways or sewer systems.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Adequate ventilation is required. In confined area, use of chemical cartridge respirators certified by NIOSH/MSHA for organic vapors will provide temporary protection.

VENTILATION:

LOCAL EXHAUST: Recommended to provide adequate ventilation

MECHANICAL: none

PROTECTIVE GLOVES: Chemical resistant gloves to prevent skin contact

EYE PROTECTION: Chemical goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Chemical resistant clothing as necessary to prevent skin contact.

An emergency eyewash fountain should be easily accessible.

WORK HYGIENE PRACTICES: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid inhalation of high concentrations of vapors. Store in cool, well-ventilated area away from heat, sparks and open flame.

MATERIAL SAFETY DATA SHEET

207-15

MAX LIGHT
90036
Purple Flashstamp Ink

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER: Polypore, Inc. 4601 S 3rd Ave. Tucson, AZ 85714
EMERGENCY PHONE NUMBER: 520-889-3306; Chemtel 800-255-3924; International 813-248-0585
TRADE NAME: Polypore Ink # 90036, Purple Flashstamp Ink, Maxlight
Chemical Name: Proprietary
Chemical Family: Glycol Ink
Chemical Formula: Proprietary

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

The precise composition of this product is proprietary information. A more detailed disclosure will be provided by Polypore to qualified Medical or Industrial Hygiene personnel as privileged information upon request in case of need for specific treatment.

INGREDIENTS	CAS #	PEL/TLV
Diethylene Glycol <20%	111-46-6	50ppm(TLV), 100 (DOW)
2 Ethyl, 1,3 Hexanediol <20%	94-96-2	none established
Diburyl Phthalate <2%	84-74-2	5 mg/m3
Polyether Polyol <20%	025322-69-4	AIHA WEEL 10 mg/m3 (aerosol)
Solvent Red 33 <5%	73507-36-5	Not Established
Solvent Red 229 <4%	Proprietary	Not established

SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE: Dark Purple Liquid	ODOR: Mild characteristic odor
BOILING POINT: (oF/oC): >350° F	SPECIFIC GRAVITY: not established
VAPOR PRESSURE (mm Hg) not estab.	%VOLATILE(by volume): not established
EVAPORATION RATE (AIR = 1) heavier vs Air	SOLUBILITY IN WATER: Moderate
EVAPORATION RATE: Slower vs BuAc	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): >250° F
FLAMMABLE LIMITS (percentage by volume): LEL: not estab. UEL: not estab.
FIRE EXTINGUISHING MEDIA: Water Spray, dry chemical, CO₂, or foam
SPECIAL FIRE FIGHTING PROCEDURES:
Full protective clothing, self-contained breathing apparatus. Use water to keep containers cool and flush spills away from source of ignition.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
HAZARDOUS PRODUCTS OF COMBUSTION:
Carbon monoxide, Carbon Dioxide, oxides of nitrogen and smoke.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established, see Section II.
EFFECTS OF OVEREXPOSURE:
Skin: Contact with skin may cause irritation
Eyes: May cause moderately severe irritation such as pain, excess tearing, redness and swelling of conjunctiva with moderate discharge.
Ingestion: May be harmful or fatal if swallowed. Several ingredients are TOXIC by ingestion (see section II). May cause pain and discomfort in the abdominal and lumbar regions, CNS depression, kidney and liver damage, nausea, vomiting, diarrhea, dizziness, drowsiness, malaise, irritation of mouth and throat, and loss of consciousness.
Inhalation: May irritate nose, mouth and throat. Mists at high temperatures may be harmful if inhaled

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders or impaired kidney, liver and CNS functions.

Other: Diethylene Glycol Toxicity Data: LD50, Oral (rat) 14.8 g/kg, (Human) 1000 mg/kg; LD50, Dermal(rabbit) 11.9 g/kg. Overexposure may result in delayed liver and or kidney damage. 2 Ethyl 1,3 Hexanediol, through repeated skin contact, may result in the development of an allergic skin reaction in a very small proportion of individuals, and may promote absorption of other chemicals through the skin. Acutely toxic doses may result in liver and kidney damage. Polyether Polyol Toxicity data: LD50 (dermal) Rabbit >10,000 mg/kg; LD50, oral (rat) 1000-2000 mg/kg.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with water for 15 minutes, raising upper and lower lids occasionally. Consult a physical immediately.

Skin: Wash skin with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation persists consult a physician.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Immediately seek medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.

SECTION VI - REACTIVITY DATA

STABILITY: yes

CONDITIONS TO AVOID: excessive heat, open flames.

INCOMPATIBILITY (Materials to avoid for purposes of transport, storage and handling): Oxidizers, strong acids, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS;

Carbon monoxide, carbon dioxide, possible aldehydes, ketones, organic acids and polymer fragments

HAZARDOUS POLYMERIZATION: will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

Extinguish all sources of ignition in vicinity of spill or release vapors. Ventilate and clean up spills with absorbent clay, diatomaceous earth, or other inert absorbent. Place material in suitable containers for disposal in a RCRA licensed facility. Observe cautions in Section IX.

WASTE DISPOSAL METHOD:

Place contaminated materials in disposable containers and bury in an approved sanitary landfill, in accordance with local, state and federal regulations. Do not discharge into waterways or sewer systems.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Adequate ventilation is required. In confined area, use of chemical cartridge respirators certified by NIOSH/MSHA for organic vapors will provide temporary protection.

VENTILATION:

LOCAL EXHAUST: Recommended to provide adequate ventilation

MECHANICAL: none

PROTECTIVE GLOVES: Chemical resistant gloves to prevent skin contact

EYE PROTECTION: Chemical goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Chemical resistant clothing as necessary to prevent skin contact.

An emergency eyewash fountain should be easily accessible.

WORK HYGIENE PRACTICES: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid inhalation of high concentrations of vapors. Store in cool, well-ventilated area away from heat, sparks and open flame.

MATERIAL SAFETY DATA SHEET

207-10

MAX LIGHT
90036
Red Flashstamp Ink

SECTION I - IDENTIFICATION OF PRODUCT

MANUFACTURER: Polypore, Inc. 4601 S 3rd Ave. Tucson, AZ 85714
EMERGENCY PHONE NUMBER: 520-889-3306; Chemtel 800-255-3924; International 813-248-0585
TRADE NAME: Polypore Ink # 90036, Red Flashstamp Ink, Maxlight
Chemical Name: Proprietary
Chemical Family: Glycol Ink
Chemical Formula: Proprietary

SECTION II - HAZARDOUS COMPONENTS OF MIXTURE

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INGREDIENTS	CAS #	PEL/TLV
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Solvent Red 33 <5%	73507-36-5	Not Established
Solvent Red 229 <4%	Proprietary	Not established

SECTION III - TYPICAL PHYSICAL DATA

APPEARANCE: Dark Red Liquid	ODOR: Mild characteristic odor
BOILING POINT: (oF/oC): >350° F	SPECIFIC GRAVITY: not established
VAPOR PRESSURE (mm Hg) not estab.	%VOLATILE(by volume): not established
EVAPORATION RATE (AIR = 1) heavier vs Air	SOLUBILITY IN WATER: Moderate
EVAPORATION RATE: Slower vs BuAc	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (method used): >250° F
FLAMMABLE LIMITS (percentage by volume): LEL: not estab. UEL: not estab.
FIRE EXTINGUISHING MEDIA: Water Spray, dry chemical, CO₂, or foam
SPECIAL FIRE FIGHTING PROCEDURES:
Full protective clothing, self-contained breathing apparatus. Use water to keep containers cool and flush spills away from source of ignition.
UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE
HAZARDOUS PRODUCTS OF COMBUSTION:
Carbon monoxide, Carbon Dioxide, oxides of nitrogen and smoke.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE: Not established, see Section II.
EFFECTS OF OVEREXPOSURE:
Skin: Contact with skin may cause irritation
Eyes: May cause moderately severe irritation such as pain, excess tearing, redness and swelling of conjunctiva with moderate discharge.
Ingestion: May be harmful or fatal if swallowed. Several ingredients are TOXIC by ingestion (see section II). May cause pain and discomfort in the abdominal and lumbar regions, CNS depression, kidney and liver damage, nausea, vomiting, diarrhea, dizziness, drowsiness, malaise, irritation of mouth and throat, and loss of consciousness.
Inhalation: May irritate nose, mouth and throat. Mists at high temperatures may be harmful if inhaled

Medical conditions aggravated by exposure: Pre-existing eye, skin and respiratory disorders or impaired kidney, liver and CNS functions.

Other: Diethylene Glycol Toxicity Data: LD50, Oral (rat) 14.8 g/kg, (Human) 1000 mg/kg; LD50, Dermal(rabbit) 11.9 g/kg. Overexposure may result in delayed liver and or kidney damage. 2 Ethyl 1,3 Hexanediol, through repeated skin contact, may result in the development of an allergic skin reaction in a very small proportion of individuals, and may promote absorption of other chemicals through the skin. Acutely toxic doses may result in liver and kidney damage. Polyether Polyol Toxicity data: LD50 (dermal) Rabbit >10,000 mg/kg; LD50, oral (rat) 1000-2000 mg/kg.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes: Immediately wash eyes with water for 15 minutes, raising upper and lower lids occasionally. Consult a physician immediately.

Skin: Wash skin with mild soap and water. Remove and launder contaminated clothing before reuse. If irritation persists consult a physician.

Inhalation: Remove to fresh air. Give artificial respiration if not breathing. Get immediate medical attention.

Ingestion: Immediately seek medical attention. Never give fluids or induce vomiting if victim is unconscious or having convulsions.

SECTION VI - REACTIVITY DATA

STABILITY: yes

CONDITIONS TO AVOID: excessive heat, open flames.

INCOMPATIBILITY (Materials to avoid for purposes of transport, storage and handling): Oxidizers, strong acids, and isocyanates.

HAZARDOUS DECOMPOSITION PRODUCTS;

Carbon monoxide, carbon dioxide, possible aldehydes, ketones, organic acids and polymer fragments

HAZARDOUS POLYMERIZATION: will not occur

SECTION VII - SPILL OR LEAK PROCEDURES

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Extinguish all sources of ignition in vicinity of spill or release vapors. Ventilate and clean up spills with absorbent clay, diatomaceous earth, or other inert absorbent. Place material in suitable containers for disposal in a RCRA licensed facility. Observe cautions in Section IX.

WASTE DISPOSAL METHOD:

Place contaminated materials in disposable containers and bury in an approved sanitary landfill, in accordance with local, state and federal regulations. Do not discharge into waterways or sewer systems.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:

Adequate ventilation is required. In confined area, use of chemical cartridge respirators certified by NIOSH/MSHA for organic vapors will provide temporary protection.

VENTILATION:

LOCAL EXHAUST: Recommended to provide adequate ventilation

MECHANICAL: none

PROTECTIVE GLOVES: Chemical resistant gloves to prevent skin contact

EYE PROTECTION: Chemical goggles or safety glasses

OTHER PROTECTIVE EQUIPMENT: Chemical resistant clothing as necessary to prevent skin contact. An emergency eyewash fountain should be easily accessible.

WORK HYGIENE PRACTICES: Wash hands thoroughly with soap and water before eating, drinking, smoking or using toilet facilities.

SECTION IX - HANDLING AND STORAGE PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

Avoid contact with eyes. Avoid prolonged or repeated skin contact. Avoid inhalation of high concentrations of vapors. Store in cool, well-ventilated area away from heat, sparks and open flame.