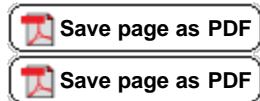




MSDS Name: **DEVCON® Floor Patch™ FC (Fast-Cure)**
 Manufacturer Name: ITW Devcon
 Stock No.: 13110
 Kit MSDS Revision Date: 1/15/2011

Components	
	FLOOR PATCH (FAST CURE) RESIN
	FLOOR PATCH PRIMER RESIN
	FLOOR PATCH FC HARDENER
	10 # FLOOR PATCH FC PRIMER HARDENER
	10 LB FLOOR PATCH (FC) AGGREGATE
ITW Devcon Product Code : 13110	



SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FLOOR PATCH (FAST CURE) RESIN**
 Manufacturer Name: ITW Devcon
 Address: 30 Endicott Street
 Danvers, MA 01923
 General Phone Number: (978) 777-1100
 Emergency Phone Number: (800) 424-9300
 CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
 Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
 MSDS Revision Date: 1/15/2011

HMIS	
Health Hazard	2*
Fire Hazard	1
Reactivity	1
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Bisphenol A diglycidyl ether resin	25068-38-6	60 - 100 by weight
Titanium dioxide	13463-67-7	1 - 5 by weight
Alkyl Glycidyl Ether	68609-97-2	10 - 30 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Potential Sensitizer. Irritant.

Route of Exposure:	Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:	
Eye:	Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury..
Skin:	Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation:	Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion:	Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects:	Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms:	Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	>300°F (148.8°C)
Flash Point Method:	Estimated.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.. Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Titanium dioxide:

Guideline ACGIH:	10 mg/m ³ TLV-TWA: 10 mg/m ³
Notes :	Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Viscous. Liquid..
Odor:	slight odor
Boiling Point:	>500°F (260°C)

Melting Point:	Not determined.
Specific Gravity:	1.1-1.3
Solubility:	negligible
Vapor Density:	>1 (air = 1)
Vapor Pressure:	0.03 mmHg @171°F
Percent Volatile:	0
Evaporation Rate:	<<1 (butyl acetate = 1)
pH:	Neutral.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>300°F (148.8°C)
Flash Point Method:	Estimated.
Auto Ignition Temperature:	Not determined.
VOC Content:	0 g/L
Percent Solids by Weight	100

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300 F in the presence of air may cause slow oxidative decomposition.
Incompatible Materials:	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

SECTION 11 - TOXICOLOGICAL INFORMATION

Bisphenol A diglycidyl ether resin:

RTECS Number:	SL6480000
Skin:	Administration onto the skin - Rat LD : >2 gm/kg [Nutritional and Gross Metabolic - Other changes]

Titanium dioxide:

RTECS Number:	XR2275000
Skin:	Administration onto the skin - Human : 300 ug/3D (Intermittent)
Carcinogenicity:	IARC: Group 2B: Possibly carcinogenic to humans.

Alkyl Glycidyl Ether:

RTECS Number:	RR0562500
Skin:	Administration onto the skin - Rabbit : 500 uL/24H
Ingestion:	Oral - Rat LD50 : 17100 mg/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the
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classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.
 DOT UN Number: N/A
 DOT Hazard Class: Not applicable.
 DOT Packing Group: Not applicable.

SECTION 15 - REGULATORY INFORMATION

Bisphenol A diglycidyl ether resin :

TSCA Inventory Status: Listed
 Canada DSL: Listed

Titanium dioxide :

TSCA Inventory Status: Listed
 Massachusetts: Listed
 Pennsylvania: Listed
 Canada DSL: Listed

Alkyl Glycidyl Ether :

TSCA Inventory Status: Listed
 Canada DSL: Listed
 Canadian Regulations: WHMIS Hazard Class(es): D2B
 All components of this product are on the Canadian Domestic Substances List.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1
 HMIS Health Hazard: 2*
 HMIS Reactivity: 1
 HMIS Personal Protection: x
 MSDS Revision Date: 1/15/2011
 MSDS Author: Actio Corporation
 Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **FLOOR PATCH PRIMER RESIN**

HMIS

Manufacturer Name: ITW Devcon
Address: 30 Endicott Street
 Danvers, MA 01923
General Phone Number: (978) 777-1100
Emergency Phone Number: (800) 424-9300
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Revision Date: 1/15/2011

Health Hazard	2*
Fire Hazard	1
Reactivity	1
Personal Protection	x

* **Chronic Health Effects**

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Bisphenol A diglycidyl ether resin	25068-38-6	60 - 100 by weight
Alkyl Glycidyl Ether	68609-97-2	10 - 30 by weight
Phenol, polymer with formaldehyde, glycidyl ether	28064-14-4	10 - 30 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: WARNING! Potential Sensitizer. Irritant.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
Eye: Can cause moderate irritation, burning sensation, tearing, redness, and swelling. Overexposure may cause lacrimation, conjunctivitis, corneal damage and permanent injury..
Skin: Can cause skin irritation; itching, redness, rashes, hives, burning, and swelling. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
Inhalation: Respiratory tract irritant. High concentration may cause dizziness, headache, and anesthetic effects. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
Ingestion: Causes irritation, a burning sensation of the mouth, throat and gastrointestinal tract and abdominal pain.
Chronic Health Effects: Prolonged skin contact may lead to burning associated with severe reddening, swelling, and possible tissue destruction.
Signs/Symptoms: Overexposure can cause headaches, dizziness, nausea, and vomiting.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point:	>300°F (148.8°C)
Flash Point Method:	Estimated.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO2) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.
Unusual Fire Hazards:	Sealed containers at elevated temperatures may rupture explosively and spread fire due to polymerization.. Heating above 300 deg F in the presence of air may cause slow oxidative decomposition and above 500 deg F may cause polymerization.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR

1910.133, OSHA eye and face protection regulation, or the European standard EN 166.

Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes : Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Viscous. Liquid..
Odor:	slight odor
Boiling Point:	>500°F (260°C)
Melting Point:	Not determined.
Specific Gravity:	1.1-1.3
Solubility:	negligible
Vapor Density:	>1 (air = 1)
Vapor Pressure:	0.03 mmHg @171°F
Percent Volatile:	0
Evaporation Rate:	<<1 (butyl acetate = 1)
pH:	Neutral.
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>300°F (148.8°C)
Flash Point Method:	Estimated.
Auto Ignition Temperature:	Not determined.
VOC Content:	0 g/L
Percent Solids by Weight	100

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Heating resin above 300 F in the presence of air may cause slow oxidative decomposition.
Incompatible Materials:	Strong Lewis or mineral acids, strong oxidizing agents, strong mineral and organic bases (especially primary and secondary aliphatic amines).

SECTION 11 - TOXICOLOGICAL INFORMATION

Bisphenol A diglycidyl ether resin:

RTECS Number:	SL6480000
Skin:	Administration onto the skin - Rat LD : >2 gm/kg [Nutritional and Gross Metabolic - Other changes]

Alkyl Glycidyl Ether:

RTECS Number: RR0562500
Skin: Administration onto the skin - Rabbit : 500 uL/24H
Ingestion: Oral - Rat LD50 : 17100 mg/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.
Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number: None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.
DOT UN Number: N/A
DOT Hazard Class: Not applicable.
DOT Packing Group: Not applicable.

SECTION 15 - REGULATORY INFORMATION**Bisphenol A diglycidyl ether resin :**

TSCA Inventory Status: Listed
Canada DSL: Listed

Alkyl Glycidyl Ether :

TSCA Inventory Status: Listed
Canada DSL: Listed

Phenol, polymer with formaldehyde, glycidyl ether :

TSCA Inventory Status: Listed
Canada DSL: Listed
Canadian Regulations: WHMIS Hazard Class(es): D2B
All components of this product are on the Canadian Domestic Substances List.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1
HMIS Health Hazard: 2*
HMIS Reactivity: 1
HMIS Personal Protection: x
MSDS Revision Date: 1/15/2011

MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: FLOOR PATCH FC HARDENER
Manufacturer Name: ITW Devcon
Address: 30 Endicott Street
 Danvers, MA 01923
General Phone Number: (978) 777-1100
Emergency Phone Number: (800) 424-9300
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Revision Date: 1/15/2011

HMIS	
Health Hazard	3*
Fire Hazard	1
Reactivity	0
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Benzyl alcohol	100-51-6	10 - 30 by weight
Meta-Xylenediamine	1477-55-0	1 - 5 by weight
Bisphenol A	80-05-7	30 - 60 by weight
Nonylphenol	25154-52-3	30 - 60 by weight
Benzyl dimethylamine	103-83-3	1 - 5 by weight
Aminoethylpiperazine	140-31-8	10 - 30 by weight
Trade secret.	N/A	10 - 30 by weight
Phenol	108-95-2	1 - 5 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Corrosive. Toxic. Potential Sensitizer. Irritant.

Route of Exposure: Eyes. Skin. Inhalation. Ingestion.

Potential Health Effects:

Eye: Corrosive. Will cause eye burns, permanent tissue damage, and blindness.

Skin: Corrosive causes severe skin burns. may cause permanent skin damage. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.

Inhalation: May cause severe respiratory system irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.

Ingestion: Harmful if swallowed. Corrosive to the gastrointestinal tract.

Chronic Health Effects:	Prolonged skin contact causes burns. Repeated or prolonged inhalation may cause toxic effects.
Signs/Symptoms:	Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes. Vapors may cause respiratory irritation.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system. Central nervous system.
Aggravation of Pre-Existing Conditions:	Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Class III B
Flash Point:	>212°F (100°C)
Flash Point Method:	Pensky-Martens Closed Cup
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Corrosive. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with eyes and skin. Do not reuse containers without proper cleaning or reconditioning.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in reactive metal containers. Keep away from acids, oxidizers.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to protect against dust during sanding/grinding of cured product.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Meta-Xylenediamine:

Guideline ACGIH:	Skin: yes TLV-Ceiling/Peak: 0.1 mg/m3
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Phenol:

Guideline ACGIH:	5 ppm Skin: yes TLV-TWA: 5 ppm
Guideline OSHA:	5 ppm Skin: yes PEL-TWA: 5 ppm

Notes : Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid..
Color:	Straw Yellow.
Odor:	Ammoniacal.
Boiling Point:	>392°F (200°C)
Melting Point:	Not determined.
Specific Gravity:	1.05

Solubility:	slightly soluble.
Vapor Density:	>1 (air = 1)
Vapor Pressure:	< 1 mmHg (estimated) @70°F
Percent Volatile:	Not determined.
Evaporation Rate:	Not determined.
pH:	alkaline
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>212°F (100°C)
Flash Point Method:	Pensky-Martens Closed Cup
Auto Ignition Temperature:	Not determined.
VOC Content:	Not determined.
Percent Solids by Weight	Not determined.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Product may slowly corrode copper, aluminum, zinc and galvanized surfaces.
Incompatible Materials:	Oxidizers, acids, and chlorinated organic compounds. Reactive metals (e.g. sodium, calcium, zinc). Sodium/calcium hypochlorite. Nitrous acid/ oxide, nitrites. Peroxides. Materials reactive with hydroxyl compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

Benzyl alcohol:

RTECS Number:	DN3150000
Skin:	Administration onto the skin - : 10 gm/kg [Behavioral - Tremor Behavioral - Muscle weakness Gastrointestinal - Changes in structure or function of salivary glands] Administration onto the skin - Rabbit : 2000 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - : 16 mg/48H Administration onto the skin - Rabbit : 100 mg/24H Administration onto the skin - : 100 %
Inhalation:	Inhalation - Mouse LC50: >500 mg/m3 [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Inhalation - Rat LC50: >500 mg/m3 [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression]
Ingestion:	Oral - Mouse LD50: 1360 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 1230 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma] Oral - Mouse LD50: 1360 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1660 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1.5 mL/kg [Details of toxic effects not reported other than lethal dose value]

Meta-Xylenediamine:

RTECS Number:	PF8970000
Eye:	Eye - Rabbit Standard Draize test.: 50 ug/24H
Skin:	Administration onto the skin - Rabbit : 2 gm/kg [Details of toxic effects not

reported other than lethal dose value]
Administration onto the skin - Rabbit : 750 ug/24H

Inhalation: Inhalation - Rat LC50: 700 ppm/1H [Sense Organs and Special Senses (Eye) - Lacrimation Lungs, Thorax, or Respiration - Respiratory depression]

Ingestion: Oral - Rat LD50: 930 mg/kg [Details of toxic effects not reported other than lethal dose value]

Bisphenol A:

RTECS Number: SL6300000

Eye: Eye - Rabbit Standard Draize test.: 250 ug/24H

Skin: Administration onto the skin - Rabbit : 3 mL/kg [Details of toxic effects not reported other than lethal dose value]

Administration onto the skin - Rabbit : 250 mg

Administration onto the skin - Rabbit : 500 mg/24H

Administration onto the skin - Rabbit : 10 %/2D (Intermittent)

Ingestion: Oral - Rat LD50: 3250 mg/kg [Details of toxic effects not reported other than lethal dose value]

Oral - Mouse LD50: 2400 mg/kg [Autonomic Nervous System - Other (direct) parasympathomimetic Behavioral - Convulsions or effect on seizure threshold Behavioral - Ataxia]

Oral - Rat LD50: 1200 mg/kg [Reproductive - Fertility - female fertility index (e.g., number females pregnant per number sperm positive females; number females pregnant per number females mated)]

Oral - Mouse LD50: 2500 mg/kg [Details of toxic effects not reported other than lethal dose value]

Oral - Rat LD50: 4240 mg/kg [Kidney/Ureter/Bladder - Other changes in urine composition]

Oral - Mouse LD50: 2500 mg/kg [Brain and Coverings - Changes in circulation (Hemorrhage, thrombosis, etc.) Liver - Fatty liver degeneration Liver - Other changes]

Oral - Mouse LD50: 2500 mg/kg [Lungs, Thorax, or Respiration - Dyspnea Lungs, Thorax, or Respiration - Other changes]

Nonylphenol:

RTECS Number: SM5600000

Skin: Administration onto the skin - Rabbit : 2140 uL/kg [Details of toxic effects not reported other than lethal dose value]

Administration onto the skin - Rabbit : 2140 mg/kg [Details of toxic effects not reported other than lethal dose value]

Administration onto the skin - Rabbit : 500 mg

Ingestion: Oral - Rat LD50: 580 mg/kg [Details of toxic effects not reported other than lethal dose value]

Oral - Mouse LD50: 1231 mg/kg [Details of toxic effects not reported other than lethal dose value]

Oral - Mouse LD50: 75.63 mL/kg [Details of toxic effects not reported other than lethal dose value]

Benzyl dimethylamine:

RTECS Number: DP4500000

Eye: Eye - Rabbit Standard Draize test.: 5 mg

Skin: Administration onto the skin - Rabbit LD50: 1660 mg/kg [Behavioral - Tremor Behavioral - Excitement]

Administration onto the skin - Rabbit TDLo: 100 pph [Skin and Appendages - Primary irritation (After topical exposure)]

Administration onto the skin - Mouse TDLo: 100 pph [Skin and Appendages - Corrosive (After topical exposure)]

Administration onto the skin - Rabbit Standard Draize test.: 500 mg/4H

Ingestion: Oral - Rat LD50: 265 mg/kg [Details of toxic effects not reported other than lethal dose value]

Aminoethylpiperazine:

RTECS Number: TK8050000

Eye: Eye - Rabbit Standard Draize test.: 20 mg/24H [Moderate]

Skin: Administration onto the skin - Rabbit LD50 : 880 uL/kg [Details of toxic effects not reported other than lethal dose value]

Administration onto the skin - Rabbit Open irritation test: 100 ug/24H

Administration onto the skin - Rabbit Standard Draize test.: 5 mg/24H [severe]

Ingestion: Oral - Rat LD50 : 2140 uL/kg [Details of toxic effects not reported other than lethal dose value]

Phenol:

RTECS Number:	SJ3325000
Eye:	Eye - Rabbit Standard Draize test.: 5 mg Eye - Rabbit Rinsed with water.: 5 mg/30S
Skin:	Administration onto the skin - Rat : 669 mg/kg [Behavioral - Tremor Kidney/Ureter/Bladder - Hematuria Skin and Appendages - Cutaneous sensitization, experimental (After topical exposure)] Administration onto the skin - Mouse : 329 mg/kg/30M [Skin and Appendages - Primary irritation (After topical exposure) Biochemical - Metabolism (Intermediary) - Other Biochemical - Metabolism (Intermediary) - Effect on inflammation or mediation of inflammation] Administration onto the skin - Rabbit : 630 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - Rat : 1500 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - : 400 uL/30S Administration onto the skin - Rabbit : 535 mg Administration onto the skin - Rabbit : 100 mg Administration onto the skin - Mouse : 16 gm/kg/40W (Intermittent) [Tumorigenic - carcinogenic by RTECS criteria Skin and Appendages - Tumors] Administration onto the skin - Mouse : 4000 mg/kg/24W (Intermittent) [Tumorigenic - neoplastic by RTECS criteria Skin and Appendages - Tumors]
Inhalation:	Inhalation - Mouse LC50: 177 mg/m3 [Details of toxic effects not reported other than lethal dose value] Inhalation - Rat LC50: 316 mg/m3 [Details of toxic effects not reported other than lethal dose value] Inhalation - Mouse LC50: 177 mg/m3/4H [Details of toxic effects not reported other than lethal dose value] Inhalation - Rat LC50: 316 mg/m3/4H [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50: 317 mg/kg [Behavioral - Convulsions or effect on seizure threshold] Oral - Mouse LD50: 270 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 512 mg/kg [Details of toxic effects not reported other than lethal dose value]

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.
RCRA Number:	None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name:	Corrosive liquid, basic, organic, n.o.s.
DOT UN Number:	3267
DOT Hazard Class:	8,
DOT Packing Group:	III

SECTION 15 - REGULATORY INFORMATION

Benzyl alcohol :

TSCA Inventory Status: Listed
 Massachusetts: Listed
 Pennsylvania: Listed
 Canada DSL: Listed

Meta-Xylenediamine :

TSCA Inventory Status: Listed
 Massachusetts: Listed
 Pennsylvania: Listed
 Canada DSL: Listed

Bisphenol A :

TSCA Inventory Status: Listed
 SARA: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.
 New Jersey: Listed: NJ Hazardous List; Substance Number: 2388
 Massachusetts: Listed
 Pennsylvania: Listed
 Canada DSL: Listed

Nonylphenol :

TSCA Inventory Status: Listed
 Massachusetts: Listed: Massachusetts Oil and Hazardous List
 Pennsylvania: Listed
 Canada DSL: Listed

Benzyl dimethylamine :

TSCA Inventory Status: Listed
 Canada DSL: Listed

Aminoethylpiperazine :

TSCA Inventory Status: Listed
 Massachusetts: Listed: Massachusetts Oil and Hazardous List
 Pennsylvania: Listed
 Canada DSL: Listed

Phenol :

TSCA Inventory Status: Listed
 SARA: EPCRA - 40 CFR Part 372 - (SARA Title III) Section 313 Listed Chemical.
 Section 302 EHS: EPCRA (SARA Title III) Section 302 (40 CFR Part 355) Extremely Hazardous Substances (EHS) Threshold Planning Quantity (TPQ) in pounds: 500/10,000 Lbs.
 Section 302 RQ: EPCRA (SARA Title III) Section 302 Extremely Hazardous Substances (EHS) Reportable Quantities (RQ) in pounds: 1,000 Lbs.
 New Jersey: Listed: NJ Hazardous List; Substance Number: 1487
 Massachusetts: Listed: Massachusetts Oil and Hazardous List
 Pennsylvania: Listed
 Canada DSL: Listed
 Canadian Regulations: WHMIS Hazard Class(es): E; D1B; D2A; D2B
 All components of this product are on the Canadian Domestic Substances List.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1
 HMIS Health Hazard: 3*
 HMIS Reactivity: 0
 HMIS Personal Protection: x
 MSDS Revision Date: 1/15/2011
 MSDS Author: Actio Corporation
 Disclaimer: This Health and Safety Information is correct to the best of our knowledge and

belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: **10 # FLOOR PATCH FC PRIMER HARDENER**
 Manufacturer Name: ITW Devcon
 Address: 30 Endicott Street
 Danvers, MA 01923
 General Phone Number: (978) 777-1100
 Emergency Phone Number: (800) 424-9300
 CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
 Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
 MSDS Revision Date: 1/15/2011

HMIS	
Health Hazard	3*
Fire Hazard	1
Reactivity	0
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Benzyl alcohol	100-51-6	60 - 100 by weight
Salicylic acid	69-72-7	5 - 10 by weight
Isophorone diamine	2855-13-2	10 - 30 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: DANGER! Corrosive. Toxic. Potential Sensitizer. Irritant.
 Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
 Potential Health Effects:
 Eye: Corrosive. Will cause eye burns, permanent tissue damage, and blindness.
 Skin: Corrosive causes severe skin burns. may cause permanent skin damage. Allergic reactions are possible. May cause skin sensitization, an allergic reaction, which becomes evident on reexposure to this material.
 Inhalation: May cause severe respiratory system irritation. May cause respiratory sensitization with asthma-like symptoms in susceptible individuals.
 Ingestion: Harmful if swallowed. Corrosive to the gastrointestinal tract.
 Chronic Health Effects: Prolonged skin contact causes burns. Repeated or prolonged inhalation may cause toxic effects.
 Signs/Symptoms: Depending on solution concentration, material may be corrosive to skin, mucous membranes and eyes. Vapors may cause respiratory irritation.
 Target Organs: Eyes. Skin. Respiratory system. Digestive system.
 Aggravation of Pre-Existing Conditions: Individuals with pre-existing skin disorders, asthma, allergies or known sensitization may be more susceptible to the effects of this product.

SECTION 4 - FIRST AID MEASURES

Eye Contact:	Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact:	Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Class III B. Ignition will give rise to a class B fire.
Flash Point:	>199.99°F (93.2°C)
Flash Point Method:	Closed Cup.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Unsuitable Media:	Water or foam may cause frothing.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Corrosive. Avoid personal contact and breathing vapors or mists. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing vapor, aerosol or mist. Avoid contact with eyes and skin. Do not reuse containers without proper cleaning or reconditioning.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use. Do not store in reactive metal containers. Keep away from acids, oxidizers.
Special Handling Procedures:	Provide appropriate ventilation/respiratory protection against decomposition products (see Section 10) during welding/flame cutting operations and to

protect against dust during sanding/grinding of cured product.

Hygiene Practices:

Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Notes : Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance:	Liquid..
Color:	Mobile Amber..
Odor:	Fishy.
Boiling Point:	401°F (205°C)
Melting Point:	Not determined.
Specific Gravity:	0.99
Solubility:	1.6 %
Vapor Density:	Not determined.
Vapor Pressure:	< 10.34 mmHg @70°F
Percent Volatile:	Not determined.
Evaporation Rate:	<<1 (butyl acetate = 1)
pH:	alkaline
Molecular Formula:	Mixture
Molecular Weight:	Mixture
Flash Point:	>199.99°F (93.2°C)
Flash Point Method:	Closed Cup.
Auto Ignition Temperature:	Not determined.
VOC Content:	Not determined.
Percent Solids by Weight	Not determined.

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability:	Stable under normal temperatures and pressures.
Hazardous Polymerization:	Not reported.
Conditions to Avoid:	Extreme heat, sparks, and open flame. Incompatible materials, oxidizers and oxidizing conditions. Product may slowly corrode copper, aluminum, zinc and galvanized surfaces.
Incompatible Materials:	Oxidizers, acids, and chlorinated organic compounds. Reactive metals (e.g. sodium, calcium, zinc). Sodium/calcium hypochlorite. Nitrous acid/ oxide, nitrites. Peroxides. Materials reactive with hydroxyl compounds.

SECTION 11 - TOXICOLOGICAL INFORMATION

Benzyl alcohol:

RTECS Number:	DN3150000
Skin:	Administration onto the skin - : 10 gm/kg [Behavioral - Tremor Behavioral - Muscle weakness Gastrointestinal - Changes in structure or function of salivary glands] Administration onto the skin - Rabbit : 2000 mg/kg [Details of toxic effects not reported other than lethal dose value] Administration onto the skin - : 16 mg/48H Administration onto the skin - Rabbit : 100 mg/24H Administration onto the skin - : 100 %
Inhalation:	Inhalation - Mouse LC50: >500 mg/m3 [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Inhalation - Rat LC50: >500 mg/m3 [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression]
Ingestion:	Oral - Mouse LD50: 1360 mg/kg [Details of toxic effects not reported other than lethal dose value] Oral - Rat LD50: 1230 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Excitement Behavioral - Coma] Oral - Mouse LD50: 1360 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1660 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Ataxia Lungs, Thorax, or Respiration - Respiratory depression] Oral - Rat LD50: 1.5 mL/kg [Details of toxic effects not reported other than lethal dose value]

Salicylic acid:

RTECS Number:	VO0525000
Eye:	Eye - Rabbit Standard Draize test.: 100 mg [severe]
Skin:	Administration onto the skin - : 57 mg/kg [Sense Organs and Special Senses (Ear) - Tinnitus] Administration onto the skin - : 111 mg/kg/10D (Intermittent) [Sense Organs and Special Senses (Ear) - Change in acuity Cardiac - Pulse rate increase, without fall in BP Nutritional and Gross Metabolic - Body temperature increase] Administration onto the skin - Rat : >2 gm/kg [Liver - Other changes Skin and Appendages - Hair]
Inhalation:	Inhalation - Rat LC50: >900 mg/m3/1H [Details of toxic effects not reported other than lethal dose value]
Ingestion:	Oral - Rat LD50: 891 mg/kg [Behavioral - Somnolence (general depressed activity) Behavioral - Muscle weakness] Oral - Mouse LD50: 480 mg/kg [Details of toxic effects not reported other than lethal dose value]
RTECS Number:	GV5020833

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Isophoronediamine solution

DOT UN Number: 2289

DOT Hazard Class: 8,

DOT Packing Group: III

DOT Exemption: ORM-D Small quantity exemption

SECTION 15 - REGULATORY INFORMATION

Benzyl alcohol :

TSCA Inventory Status: Listed

Massachusetts: Listed

Pennsylvania: Listed

Canada DSL: Listed

Salicylic acid :

TSCA Inventory Status: Listed

Canada DSL: Listed

Isophorone diamine :

TSCA Inventory Status: Listed

Canada DSL: Listed

Canadian Regulations: WHMIS Hazard Class(es): D2B; E
All components of this product are on the Canadian Domestic Substances List.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 1

HMIS Health Hazard: 3*

HMIS Reactivity: 0

HMIS Personal Protection: x

MSDS Revision Date: 1/15/2011

MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION

Product Name: 10 LB FLOOR PATCH (FC) AGGREGATE
Manufacturer Name: ITW Devcon
Address: 30 Endicott Street
 Danvers, MA 01923
General Phone Number: (978) 777-1100
Emergency Phone Number: (800) 424-9300
CHEMTREC: For emergencies in the US, call CHEMTREC: 800-424-9300
Canutec: In Canada, call CANUTEC: (613) 996-6666 (call collect)
MSDS Revision Date: 1/15/2011

HMIS	
Health Hazard	1*
Fire Hazard	0
Reactivity	0
Personal Protection	x

* Chronic Health Effects

SECTION 2 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS#	Ingredient Percent
Crystalline silica	14808-60-7	60 - 100 by weight

SECTION 3 - HAZARDS IDENTIFICATION

Emergency Overview: CAUTION! Irritant.
Route of Exposure: Eyes. Skin. Inhalation. Ingestion.
Potential Health Effects:
 Eye: May cause irritation.
 Skin: May cause irritation.
 Inhalation: Prolonged or excessive inhalation may cause respiratory tract irritation.
 Ingestion: May be harmful if swallowed. May cause vomiting.
Chronic Health Effects: Prolonged or repeated contact may cause skin irritation.
Signs/Symptoms: Overexposure may cause headaches and dizziness.
Target Organs: Eyes. Skin. Respiratory system. Digestive system.
Aggravation of Pre-Existing Conditions: None generally recognized.

SECTION 4 - FIRST AID MEASURES

Eye Contact: Immediately flush eyes with plenty of water for at least 15 to 20 minutes. Ensure adequate flushing of the eyes by separating the eyelids with fingers. Get immediate medical attention.
Skin Contact: Immediately wash skin with plenty of soap and water for 15 to 20 minutes, while removing contaminated clothing and shoes. Get medical attention if irritation develops or persists.
Inhalation: If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion: If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

SECTION 5 - FIRE FIGHTING MEASURES

Flammable Properties:	Does not support combustion with oxygen. Crystalline silica (quartz) is non-flammable and non-explosive).
Flash Point:	Not determined.
Auto Ignition Temperature:	Not determined.
Lower Flammable/Explosive Limit:	Not determined.
Upper Flammable/Explosive Limit:	Not determined.
Fire Fighting Instructions:	Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.
Extinguishing Media:	Use carbon dioxide (CO ₂) or dry chemical when fighting fires involving this material.
Protective Equipment:	As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spill Cleanup Measures:	Shovel or sweep up for re-use or disposal. Avoid creating dusty conditions. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section. After removal, flush spill area with soap and water to remove trace residue. Avoid personal contact and breathing dust. Ventilate area. Use proper personal protective equipment as listed in section 8.
Personnel Precautions:	Evacuate area and keep unnecessary and unprotected personnel from entering the spill area.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.
Other Precautions:	Pump or shovel to storage/salvage vessels.

SECTION 7 - HANDLING and STORAGE

Handling:	Use with adequate ventilation. Avoid breathing dust or particulates.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat and incompatible materials. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling.

SECTION 8 - EXPOSURE CONTROLS, PERSONAL PROTECTION - EXPOSURE GUIDELINES

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Skin Protection Description:	Wear appropriate protective gloves and other protective apparel to prevent skin contact. Consult manufacturer's data for permeability data.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may

not provide adequate protection.

Other Protective: Facilities storing or utilizing this material should be equipped with an eyewash and a deluge shower safety station.

EXPOSURE GUIDELINES

Crystalline silica:

Guideline ACGIH: 0.025 mg/m³
TLV-TWA: 0.025 mg/m³ Respirable fraction (R)

Guideline OSHA: [10 mg/m³]/[% SiO₂] + 2]

Notes : Only established PEL and TLV values for the ingredients are listed.

SECTION 9 - PHYSICAL and CHEMICAL PROPERTIES

Physical State Appearance: Granular

Color: light brown.

Odor: Odorless.

Boiling Point: 4046°F (2230°C)

Melting Point: 2930°F (1610°C)

Specific Gravity: 2.65

Solubility: negligible

Vapor Density: No vapor

Vapor Pressure: Not determined.

Percent Volatile: 0

Evaporation Rate: Not determined.

pH: Neutral.

Molecular Formula: Mixture

Molecular Weight: Mixture

Flash Point: Not determined.

Auto Ignition Temperature: Not determined.

VOC Content: 0 g/L

Percent Solids by Weight 100

SECTION 10 - STABILITY and REACTIVITY

Chemical Stability: Stable under normal temperatures and pressures.

Hazardous Polymerization: Not reported.

Conditions to Avoid: None known.

Incompatible Materials: Oxidizing agents. Strong acids and alkalis.

SECTION 11 - TOXICOLOGICAL INFORMATION

Crystalline silica:

RTECS Number: VV7330000

Carcinogenicity: IARC: Group 1: Carcinogenic to humans.
NTP: Reasonably anticipated to be a human carcinogen.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity: No ecotoxicity data was found for the product.

Environmental Fate: No environmental information found for this product.

SECTION 13 - DISPOSAL CONSIDERATIONS

Waste Disposal: Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

RCRA Number: None.

SECTION 14 - TRANSPORT INFORMATION

DOT Shipping Name: Non regulated.

DOT UN Number: N/A

DOT Hazard Class: Not applicable.

DOT Packing Group: Not applicable.

SECTION 15 - REGULATORY INFORMATION

Crystalline silica :

TSCA Inventory Status: Listed

Massachusetts: Listed

Pennsylvania: Listed

Canada DSL: Listed

Canadian Regulations. WHMIS Hazard Class(es): D2B; D2A
All components of this product are on the Canadian Domestic Substances List.

SECTION 16 - ADDITIONAL INFORMATION

HMIS Fire Hazard: 0

HMIS Health Hazard: 1*

HMIS Reactivity: 0

HMIS Personal Protection: x

MSDS Revision Date: 1/15/2011

MSDS Author: Actio Corporation

Disclaimer: This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment.

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