Material Safety Data Sheet

DuoPatch

Version 1 Revised Date: 5/17/2012

SECTION 1 – PRODUCT IDENTIFICATION

Trade name	:	DuoPatch (PN# DPATCH)
Manufacturer	:	SpecChem 1619 Walnut Street Kansas City, MO 64108
Telephone	:	(866) 791-8700
Emergency Phone	:	CHEMTREC (800) 424-9300
Product Use	:	Repair Mortar

SECTION 2 – PRODUCT COMPOSTION

Chemical Name	CAS-No.	Weight %
Crystalline Silica (Quartz)/Silica Sand	14808-60-7	50.0 – 70.0
Portland Cement	65997-15-1	25.0 – 45.0

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

Gray. Powder. Dust may irritate nose and throat. Dust irritating to the respiratory tract. Leave area to breath fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation : Dust may irritate nose and throat. Dust irritating to the respiratory tract.

Eyes : Direct contact may cause severe irritation. May cause mechanical irritation or abrasion and possible chemical burns. May cause temporary injury.

Ingestion : May cause irritation to the mouth, throat and stomach. May cause gastrointestinal irritation, nausea and vomiting.

Skin : May cause severe irritation. May cause dryness, cracking, irritation and chemical burns. May produce cement dermatitis due to primary irritation from alkaline, hydroscopic and abrasive properties.

Aggravated Medical Conditions

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure.

SECTION 4 – FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	: Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.
Eye contact	: Flush with water for at least 15 minutes while holding eye lids apart. Get medical attention immediately.
Skin contact	: Clean area of contact thoroughly using soap and water. If irritation, rash or other disorders develop, get medical attention immediately.
Ingestion	: Do not induce vomiting unless directed by a physician. Call nearest Poison Control Center or Physician immediately.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point	:	Not applicable.
Method	:	Not applicable.
Lower explosion limit	:	Not available.
Upper explosion limit	:	Not available.
Autoignition temperature	:	Not available.
Extinguishing media	:	This product is not expected to burn under normal conditions of use. Use that which is appropriate to the surroundings.
Hazardous combustion products	:	Not available.
Protective equipment for firefighters	:	Not applicable. Product is not expected to burn.
Fire and explosion conditions	:	This product not expected to ignite under normal conditions of use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Use appropriate protective equipment. Avoid contact with material. Dampen material with water to control dusting. Scoop up and transfer to appropriate container for disposal. Flush spill area with water.

SECTION 7 - HANDLING AND STORAGE

Prevent inhalation of dust and contact with skin and eyes. Clean hands thoroughly after handling. Precautions also apply to emptied containers. Personal protective equipment must be worn during maintenance or repair of contaminated mixer, reactor or other equipment. Store in sealed containers in a cool, dry, ventilated warehouse location.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection	:	Wear appropriate, properly fitted NIOSH/MSHA approved respirator where airborne concentrations are expected to exceed exposure limits indicated on the MSDS. Follow manufacturer's directions for respirator use.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available
Skin and body protection	:	Prevent contact with shoes and clothing.
Protective measures	:	Use professional judgment in the selection, care and use. Wear gloves, head coverings and full body clothing as necessary to prevent skin irritation. Washable or disposable clothing may be used. Do not take unwashed clothing home. Work clothes should be washed thoroughly following use. Inform the launderer of the proper procedures. Store work clothes and street clothes separately to prevent contamination.
Engineering measures	:	Use only in well ventilated areas. Provide maximum ventilation in enclosed areas. Use local exhaust when the general ventilation is inadequate.

Exposure Limits

Chemical Name	CAS Number	Regulation	Limit	Form
Crystalline Silica (Quartz) /Silica Sand	14808-60-7	ACGIH TWA: OSHA TWA: OSHA TWA: OSHA PEL: OSHA PEL:	0.05 mg/m3 0.1 mg/m3 0.3 mg/m3 15 mg/m3 5 mg/m3	Respirable fraction Respirable Total dust Total dust Respirable fraction
Portland Cement	65997-15-1	ACGIH TWA: OSHA PEL: OSHA PEL:	10 mg/m3 5 mg/m3 15 mg/m3	 Respirable fraction Total dust

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Powder
Color	:	Gray
Odor	:	None
pH	:	Not available
Vapor pressure	:	Not available
Vapor density	:	Not available
Melting point/range	:	Not available
Freezing point	:	Not available
Boiling point/range	:	Not available
Water solubility	:	Miscible
Specific Gravity	:	2.5 – 3.2
% Volatile Weight	:	0%

SECTION 10 – REACTIVITY / STABILITY

Substances to avoid	:	Not applicable
Stability	:	Material is stable under normal storage, handling and use.
Hazardous polymerization	:	Will not occur under normal conditions.

SECTION 11 – TOXICOLOGY INFORMATION

Crystalline silica, CAS-No.: 14808-60-7
Acute oral toxicity (LD-50 oral) 22,500 mg/kg (Rat)

SECTION 12 – ECOLOGICAL INFORMATION

No Data Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Method : Recycle or dispose of in compliance with local, provincial and federal regulations

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:
Not Regulated

SECTION 15 – REGULATORY INFORMATION

North American Inventories:
All components are listed or exempt from the TSCA inventory.
One or more components are listed on the NDSL.

U.S. Federal Regulations:

SARA 313 Components	:	None present or none present in regulated quantities.
SARA 311/312 Hazards	:	Acute Health Hazard
OSHA Hazardous Components	:	
Crystalline Silica (Quartz)/Silica Sand		14808-60-7
Portland cement		65997-15-1
OSHA Status: Considered hazardous based on the following criteria	:	Irritant
OSHA Flammability	:	Not Regulated

Regulatory VOC (less water And exempt solvent)	:	0 g/L
VOC Method 310	:	0 %

Other:

This product does not contain nor is it manufactured with ozone depleting chemicals.

SECTION 16 – OTHER INFORMATION

HMIS Rating:

Health	**1**
Flammability	**0**
Reactivity	**0**
PPE	

0 = Minimum
1 = Slight
2 = Moderate
3 = Serious
4 = Severe

Further Information :

For Industrial use only. Keep out of reach of children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.

Prepared by: Valery Tokar

Legend

ACGIH – American conference of Governmental hygienists
CERCLA – Comprehensive Environmental Response, Compensation, And Liability Act
DOT – Department of Transportation
DSL – Domestic Substance List
EPA – Environmental Protection Agency
HMIS – Hazardous Materials Information System
IARC – International Agency for Research on Cancer
MSHA – Mine Safety Health Administration
NDSL – Non-Domestic Substance List
NIOSH – National Institute for Occupational Safety and Health
NTP – National Toxicology Program
OSHA – Occupational Safety and Health Administration
PEL – Permissible Exposure Limit
RCRA – Resource Conservation and Recovery Act
RTK – Right to Know
SARA – Superfund Amendments and Reauthorization Act
STEL – Short Term Exposure Limit
TLV – Threshold Limit Value
TSCA – Toxic Substances Control Act
TWA – Time Weighted Average
V – Volume
VOC – Volatile Organic Compound
WHIMIS – Workplace Hazardous Materials Information System

Material Safety Data Sheet

DuoPatch Admix

Version 1 Revised Date: 5/17/2012

SECTION 1 – PRODUCT IDENTIFICATION

Trade name	:	DuoPatch Admix (PN# DADMIX)
Manufacturer	:	SpecChem 1619 Walnut Street Kansas City, MO 64108
Telephone	:	(866) 791-8700
Emergency Phone	:	CHEMTREC (800) 424-9300
Product Use	:	Adhesive Coating

SECTION 2 – PRODUCT COMPOSTION

Chemical Name	CAS-No.	Weight %
Water	7732-18-5	> 70.0
Acrylic Resin	Proprietary	< 30.0

SECTION 3 – HAZARDS IDENTIFICATION

Emergency Overview

White. Liquid. No serious effects anticipated under normal conditions of use. Leave area to breathe fresh air. Avoid further overexposure. If symptoms persist, get medical attention.

Acute Potential Health Effects/ Routes of Entry

Inhalation	:	No serious effect anticipated under normal conditions of use.
Eyes	:	Direct contact may cause mild irritation.
Ingestion	:	May cause gastrointestinal irritation, nausea, and vomiting.
Skin	:	May cause mild irritation.

Aggravated Medical Conditions

Pre-existing eye, skin, and respiratory disorders may be aggravated by exposure.

Target Organs:

Eyes, skin and respiratory system

SECTION 4 – FIRST AID MEASURES

Get immediate medical attention for any significant overexposure.

Inhalation	:	Leave area to breathe fresh air. Avoid further exposure. If symptoms persist, get medical attention.
Eye contact	:	Flush with water for 15 minutes. If irritation persists, get medical attention
Skin contact	:	Wash area of contact thoroughly with hand cleaner followed by soap and water. If irritation, rash or other disorders develop, get medical attention
Ingestion	:	Get medical attention. Do not induce vomiting.

SECTION 5 – FIRE FIGHTING MEASURES

Flash point	:	Not applicable.
Method	:	Not applicable.
Lower explosion limit	:	Not available
Upper explosion limit	:	Not available
Autoignition temperature	:	Not available
Extinguishing media	:	This product is not expected to burn under normal conditions of use
Hazardous combustion products	:	Carbon monoxide and carbon dioxide can form. Smoke, fumes
Protective equipment for firefighters	:	Use accepted fire fighting techniques. Wear full firefighting protective clothing, including self-contained breathing apparatus (SCBA).
Fire and explosion conditions	:	This product is not expected to ignite under normal conditions of use.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Stop flow. Contain spill. Keep out of water courses.
Absorb spill in sand, earth or other suitable material. Transfer to appropriate container for disposal.
Use appropriate protective equipment. Avoid contact with material.

SECTION 7 - HANDLING AND STORAGE

Handle in compliance with common hygienic practices. Clean hands thoroughly after handling. Keep from freezing. Do not use in confined or poorly ventilated areas. Prevent inhalation of vapor, ingestion, and contact with skin, eyes, and clothing. Keep container closed when not in use. Precautions also apply to emptied containers. Store in sealed containers in a dry, ventilated warehouse location above freezing.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal protection equipment

Respiratory protection	:	Not required under normal conditions of use. Wear appropriate NIOSH/MSHA approved respirator with combination particulate filter and vapor/gas removing cartridge when the ventilation is not adequate or if it is necessary to abrade or grind surface coated with this product.
Hand protection	:	Use suitable impervious rubber or vinyl gloves and protective apparel to reduce exposure.
Eye protection	:	Wear appropriate eye protection. Wear chemical safety goggles and/or face shield to prevent eye contact. Do not wear contact lenses. Do not touch eyes with contaminated body parts or materials. Have eye washing facilities readily available.
Skin and body protection	:	Prevent contact with shoes and clothing. Use rubber apron and overshoes.
Protective measures	:	Other equipment not normally required. Use professional judgment in the selection, care, and use.
Engineering measures	:	Not required under normal conditions of use. Use local exhaust when general ventilation is inadequate.

Exposure Limits

No known components with exposure limits.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Liquid
Color	:	White
Odor	:	Slight Ammonia
pH	:	8.0 +/-.5
Vapor pressure	:	N/A
Vapor density	:	Heavier than air
Melting point/range	:	Not available
Freezing point	:	32°F (water)
Boiling point/range	:	212 °F, 100 °C (water)
Water solubility	:	Soluble
Specific Gravity	:	1.05 +/- .02
% Volatile Weight	:	> 75%

SECTION 10 – REACTIVITY / STABILITY

Substances to avoid	:	Strong acids. Strong bases.
Stability	:	Stable
Hazardous polymerization	:	Will not occur

SECTION 11 – TOXICOLOGY INFORMATION

No Data Available

SECTION 12 – ECOLOGICAL INFORMATION

No Data Available

SECTION 13 – DISPOSAL CONSIDERATIONS

Disposal Method	:	Waste not regulated under RCRA. Dispose of in compliance with state and local regulations

SECTION 14 - TRANSPORTATION / SHIPPING DATA

TDG / DOT Shipping Description:

NOT REGULATED

SECTION 15 – REGULATORY INFORMATION

North American Inventories:
All components are listed or exempt from the TSCA inventory.
This product or its components are listed on the Canadian Domestic Substances List.

U.S. Federal Regulations:

SARA 313 Components	:	None present or none present in regulated quantities
SARA 311/312 Hazards	:	Acute Health Hazard
OSHA Hazardous Components	:	None
OSHA Status: Considered hazardous based on the following criteria	:	Irritant
OSHA Flammability	:	Not regulated.
Regulatory VOC (less water and exempt solvent)	:	0 g/l
NTP, IARC and OSHA	:	This product not contain any substances listed as a carcinogen.
Sara Title III Section 313 Supplier Notification	:	This product does not contain toxic chemicals subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372.

U.S. State Regulations:

Components under California Proposition 65:
WARNING! Contains chemicals known to the State of California to cause cancer, birth defects and/or other reproductive harm:

Components under California Proposition 65:
This product contains the following substances listed by the State of California Environmental Protection Agency, Office of Environmental Health Hazard Assessment Safe Drinking Water and Toxic Enforcement Act of 1986.

Other:

This product does not contain nor is it manufactured with ozone depleting chemicals.

SECTION 16 – OTHER INFORMATION

HMIS Rating:

Health	**1**
Flammability	**0**
Reactivity	**0**
PPE	

0 = Minimum
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Further Information:
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