Safety Data Sheet (SDS)

McKinnon Materials, Inc.

Solvent Base Color Coat Revision Date: 11/24/2015

1 PRODUCT AND COMPANY IDENTIFICATION

Manufacturer

McKinnon Materials, Inc.
5612 56th Commerce Park Blvd
Tampa, FL 33610

Contact:	McKinnon Materials, Inc.
Phone:	(813) 622-7031
Fax:	(813) 621-9017
Web:	www.mckinnonmaterials.com

Vendor

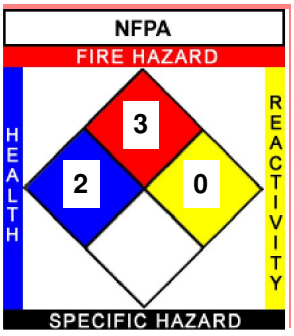
McKinnon Materials, Inc.
5612 56th Commerce Park Blvd
Tampa, FL 33610

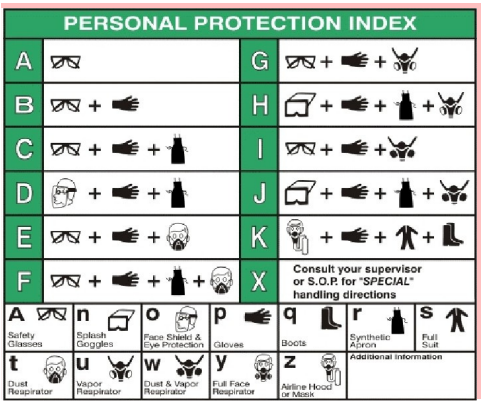
Contact:	McKinnon Materials, Inc.
Phone:	(813) 622-7031
Fax:	(813) 621-9017
Web:	www.mckinnonmaterials.com

Product Name:	Solvent Base Color Coat
Revision Date:	11/24/2015
Version:	1
SDS Number:	492
Common Name:	Paint product
CAS Number:	MIXTURE
Chemical Family:	Paint products
Chemical Formula:	*** PROPRIETARY ***
Product Use:	Concrete Stain and Seal
Emergency Phone:	(800) 424-9300 (CHEMTREC #14067, 24 Hours)

2 HAZARDS IDENTIFICATION

NFPA: Health = 2, Fire = 3, Reactivity = 0
HMIS III: H*2/F3/PH0





GHS Signal Word:
DANGER

GHS Hazard Pictograms:

GHS Classifications:
Physical, Flammable Liquids, 3
Health, Aspiration hazard, 1
Health, Acute toxicity, 4 Dermal
Health, Skin corrosion/irritation, 2
Health, Serious Eye Damage/Eye Irritation, 2 A
Health, Acute toxicity, 4 Inhalation
Health, Specific target organ toxicity - Single exposure, 3
Health, Germ cell mutagenicity, 1
Health, Carcinogenicity, 1 B
Health, Carcinogenicity, 2
Environmental, Hazards to the aquatic environment - Chronic, 2

GHS Phrases:
H226 - Flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H340 - May cause genetic defects
H350 - May cause cancer
H351 - Suspected of causing cancer
H411 - Toxic to aquatic life with long lasting effects

GHS Precautionary Statements:
P210 - Keep away from heat/sparks/open flames/hot surfaces. No smoking
P211 - Do not spray on an open flame or other ignition source.
P220 - Keep/Store away from clothing/combustible materials.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P260 - Do not breathe dust/fume/gas/mist/vapors/spray.
P262 - Do not get in eyes, on skin, or on clothing.
P264 - Wash skin thoroughly after handling.
P270 - Do not eat, drink or smoke when using this product.
P271 - Use only outdoors or in a well-ventilated area.
P273 - Avoid release to the environment.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P284 - Wear respiratory protection.
P301+312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+330+331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+361+353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with

water/shower.
P304+312 - IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.
P304+340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+351+338 - IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.
P309+311 - IF exposed or you feel unwell: Call a POISON CENTER or doctor/physician.
P321 - Specific treatment (see _ on this label).
P332+313 - If skin irritation occurs: Get medical advice/attention.
P337+313 - If eye irritation persists: Get medical advice/attention.
P370+378 - In case of fire: Use dry chemical, carbon dioxide, water fog or alcohol-resistant foam for extinction.
P381 - Eliminate all ignition sources if safe to do so.
P403+233 - Store in a well ventilated place. Keep container tightly closed.
P405 - Store locked up.
P410+412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P501 - Dispose of contents/container to an approved waste disposal plant.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients:

Cas #	Percentage	Chemical Name
1330-20-7	<25%	Xylene
64742-95-6	<20%	Solvent naphtha, petroleum, light arom.
N/A	>19%	Proprietary, non-hazardous, non-regulated
13463-67-7	<15%	Titanium dioxide
64742-89-8	<10%	Solvent naphtha, petroleum, light aliph.
68551-17-7	<10%	Alkanes, C10-13-iso-
111-65-9	<1%	Octane

4 FIRST AID MEASURES

Inhalation: If inhaled, move person into fresh air. Monitor respiratory function. Give oxygen or artificial respiration if needed. If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Promptly flush skin with water for at least 15 minutes to ensure all chemical is removed. Remove contaminated clothing and wash before reuse. If reddening develops and/or persists, obtain medical attention.

Eye Contact: Flush with large amounts of water for at least 15 minutes, lifting upper and lower lids occasionally. Remove contact lenses if present and easy to do so. If eye irritation persists, obtain medical attention.

Ingestion: Rinse mouth with water. Do NOT induce vomiting unless instructed to do so. Material can enter lungs (aspiration hazard) during swallowing or vomiting resulting in lung inflammation or other lung injury. Never give anything by mouth to an unconscious person. Get immediate medical attention.

Most important symptoms and effects, both acute and delayed:
The most important known symptoms and effects are described in the labelling (see Section 2) and/or Section 11. Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity (See Section 3 - Swallowing) when deciding whether to induce vomiting. This material (or a component) has produced hyperglycemia and ketosis following substantial ingestion. Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material: respiratory tract, skin, lung (for example, asthma-like conditions), liver, kidney, central nervous system, blood-forming system, auditory system. Individuals with preexisting heart disorders may be more susceptible to arrhythmias (irregular heartbeats) if exposed to high concentrations of this material.

Indication of any immediate medical attention and special treatment needed:
No data available.

5 FIRE FIGHTING MEASURES

Flammability:	Flammable Liquid Class IC
Flash Point:	25.6 ℃ (78.0 ℉)
Flash Point Method:	(TCC)
Burning Rate:	No data available
Autoignition Temp:	No data available
LEL:	1.0% (V)
UEL:	7.1% (V)

Extinguishing Media:
Water Fog
Carbon Dioxide
Alcohol-Resistant Foam
Dry Chemical

Special Hazards Arising From the Substance or Mixture:
Acrolein Carbon
Oxides
Formaldehyde
Silicon Oxides
Titanium Oxides
Unburnt Hydrocarbon particulate

Advice for Firefighters:
Firefighters should wear full-face, positive-pressure respirators.

Further Information:
If incinerated, may release toxic fumes.
Use water spray to cool unopened containers.
Do NOT use high volume water jet to extinguish fire, as the force of the water jet may cause fire to spread.
Beware of vapors accumulating to form explosive concentrations.
Vapors can accumulate in low areas.
See Section 7 for more information on safe handling.
See Section 8 for more information on personal protection equipment.
See Section 13 for disposal information.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:
Use personal protective equipment, including vapor respirator.
Keep from contacting skin or eyes.
Avoid breathing vapors, mist or gas.
Ensure adequate ventilation.
Evacuate personnel to safe areas.
Remove all sources of ignition.
Stay upwind of any spills.

If any equipment is necessary, ensure that it is non-sparking and electrically-protected.

Environmental Precautions:
Prevent further release (leakage/spillage) if safe to do so.
Do not allow product to enter drains.
Do not allow to drain to environment.

Methods and Materials for Containments and Cleaning Up:
Ensure adequate ventilation.
Absorb with liquid-binding material (sand, diatomite, universal binders). Do NOT use sawdust.
Place contaminated material into suitable, closed containers for disposal.
Spill may also be diluted with equal volume of water and absorbed (as above) or collect with an electrically-protected vacuum cleaner or by wet-brushing. Collected waste should then be placed in container for disposal.
Dispose of contaminated material according to Section 13.

Reference to Other Sections:
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for information on proper disposal.

7 HANDLING AND STORAGE

Handling Precautions:
Wear protective clothing including vapor respirator.
Avoid breathing vapors or mist.
Avoid contact with eyes, skin, or clothing.
Keep containers closed when not in use.
Do not expose containers to open flame, excessive heat, or direct sunlight.
Keep away from sources of ignition.
Do not smoke while using material.
Take measures to prevent the buildup of electrosatic charge.
Use proper bonding/grounding during product transfer as described in document NFPA 77.
Do not puncture or drop containers.
Handle with care and avoid spillage on the floor (slippage).
Keep material out of reach of children.
Keep material away from incompatible materials.
Wash thoroughly after handling.

Storage Requirements:
Keep container tightly closed.
Avoid inhalation of vapors or mist upon opening container.
Store in a well-ventilated place.
Do not store in direct sunlight.
Store at temperatures between 0.0 °C (32.0 °F) and 50.0 °C (120.0 °F)
Store away from strong acids, strong bases, strong oxidizing agents, strong reducing agents, hydrofluoric acid and halogens.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:
All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94). Use local exhaust at filling zones and where leakage and dust formation is probable. Use mechanical (general) ventilation for storage areas. Use appropriate ventilation as required to keep Exposure Limits in Air below TLV & PEL limits.

Personal Protective Equip:
Eye/face protection:

When using material use safety goggles, gloves and vapor respirator according to HMIS PP, G. All safety equipment should be tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection:
Handle with gloves made from Neoprene, Nitrile, PVC or Buma rubber. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact. Dispose of contaminated gloves according to applicable laws and laboratory practices.

Body Protection:
Chemically resistant gloves and safety goggles are recommended. Type of protective equipment should be selected based on concentration amount and conditions of use of this material.

Respiratory protection:
Use of a vapor respirator is recommended. Full-face vapor respirator may be required as backup to engineering controls when proper engineering controls are not in place to keep TLV and PEL limits below defined thresholds. Respiratory protection must comply with 29 CFR 1910.134.

Control of environmental exposure:
Prevent leakage or spillage if safe to do so. Do not let material enter drains.

Components with workplace control parameters:

Component: Xylene
CAS No: 1330-20-7
USA ACGIH (TWA/TLV): 100 ppm
USA ACGIH (STEL/TLV): 150 ppm
USA OSHA Table Z-1 Limits for Air Contaminants - 1910.1000 (STEL): 100 ppm
USA OSHA Table Z-1 Limits for Air Contaminants - 1910.1000 (STEL): 150 ppm
USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants: 100 ppm

Component: Solvent naphtha, petroleum, light arom.
CAS No: 64742-95-6
USA NIOSH (TWA/REL): 350 mg/m^3
USA OSHA (TWA/PEL): 2,000 mg/m^3

Component: Titanium dioxide
CAS No: 13463-67-7
USA ACGIH (TWA/TLV): 10 mg/m^3
USA OSHA Table Z-1 Limits for Air Contaminants - 1910.1000: 10 mg/m^3
USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants: 15 mg/m^3

Component: Solvent naphtha, petroleum, light aliph.
CAS No: 64742-89-8
USA ACGIH (TWA/TLV): 300 ppm
USA NIOSH (TWA/REL): 350 mg/m^3
USA NIOSH (C/REL): 1,800 mg/m^3
USA OSHA Occupational Exposure Limits Table Z-1 Limits for Air Contaminants: 500 ppm

Component: Octane
CAS No: 111-65-9
USA ACGIH (TWA/TLV): 300 ppm

USA NIOSH (TWA/REL): 75 ppm
USA NIOSH (C/REL): 385 mg/m^3
USA OSHA (TWA/PEL): 300 ppm
USA OSHA (STEL/PEL): 370 ppm

Biological occupational exposure limits:

Component: Xylene
CAS No: 1330-20-7
Parameters: Methylhippuric acids
Value: 1,500 mg/g
Biological Specimen: Urine
Bases: ACGIH Biological Exposure Indices (BEI)

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White liquid		
Physical State:	Liquid	**Odor:**	Xylene
Odor Threshold:	Not determined	**Molecular Formula:**	MIXTURE
Particle Size:	Not determined	**Solubility:**	Nil
Spec Grav./Density:	1.0850 g/ml (9.055 lbs/gal)	**Softening Point:**	Not determined
Viscosity:	Not determined	**Percent Volatile:**	-57.1%
Sat. Vap. Conc.:	Not determined	**Heat Value:**	Not determined
Boiling Point:	76.1 - 179.4 ℃ (169.0 - 355.0 ℉)	**Freezing/Melting Pt.:**	Not determined
Flammability:	(solid, gas): Flammable Liquid Class IC	**Flash Point:**	25.6 ℃ (78.0 ℉)
Partition Coefficient:	Not determined	**Octanol:**	Not determined
Vapor Pressure:	(mm Hg @ 20 ℃): 11	**Vapor Density:**	(air = 1): > 1
pH:	Not determined	**VOC:**	580 g/l
Evap. Rate:	(N-Butyl Acetate = 1): < 1	**Bulk Density:**	Not determined
Molecular weight:	MIXTURE	**Auto-Ignition Temp:**	Not determined
Decomp Temp:	Not determined	**UFL/LFL:**	Not determined

10 STABILITY AND REACTIVITY

Stability:	Product is stable under normal conditions.
Conditions to Avoid:	Incompatibilities, flames, ignition sources and temperatures above 50.0 ℃ (120.0 ℉)
Materials to Avoid:	Strong acids, strong bases, strong oxidizing agents, strong reducing agents, hydrofluoric acid and halogens.
Hazardous Decomposition:	Acrolein, Carbon Oxides, Formaldehyde, Silicon Oxides and Titanium Oxides.
Hazardous Polymerization:	Will not occur.

11 TOXICOLOGICAL INFORMATION

Component(s): Xylene; Solvent naphtha, petroleum, light arom.; Titanium Dioxide; Solvent naphtha, petroleum, light aliph.; Alkanes, C10-13-iso; Octane
CAS No(s): 1330-20-7; 64742-95-6; 13463-67-7; 64742-89-8; 68551-17-7; 111-65-9

Acute Toxicity:

LD50 Oral - Rat: > 2,000 mg/kg

LD50 Dermal - Rabbit: 1,700 mg/kg
LC50 Inhalation - Rat: 25.3 mg/l (4 h)

Skin Corrosion/Irritation: Rabbit skin - Skin irritation (24 h).

Serious Eye Damage/Eye Irritation: Rabbit eyes - Mild eye irritation.

Respiratory or Skin Sensitation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: This product is or contains a component that is possibly carcinogenic to humans (Titanium dioxide), and two components that are not classifiable as to their carcinogenicity to humans (Xylene; Solvent, naphtha, petroleum, light aliph.) based on its IARC, ACGIC, NTP or OSHA classification.

IARC: 28 - Group 28: Possibly carcinogenic to humans (Titanium dioxide); 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Xylene). 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Solvent, naphtha, petroleum, light aliph.).
ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by NTP.
OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive Toxicity: No data available.

Specific Target Organ Toxicity - Single Exposure: Respiratory system - May cause drowsiness or dizziness, depression of the central nervous system, weakness, loss of consciousness, nausea and headache.

Specific Target Organ Toxicity - Repeated Exposure: No data available.

Aspiration Hazard: May be fatal is swallowed and enters airways.

Additional Information:
Component: Xylene; RTECS: ZE2625000
Component: Solvent naphtha, petroleum, light arom.; RTECS: WF3400000
Component: Titanium dioxide; RTECS: XR2275000
Component: Solvent naphtha, petroleum, light aliph.; RTECS: SE7558000
Component: Alkanes, C10-13-iso; RTECS: WJ8925000
Component: Octane; RTECS: RG8400000

12 ECOLOGICAL INFORMATION

Component(s): Xylene; Solvent naphtha, petroleum, light arom.; Titanium Dioxide; Solvent naphtha, petroleum, light aliph.; Alkanes, C10-13-iso; Octane
CAS No(s): 1330-20-7; 64742-95-6; 13463-67-7; 64742-89-8; 68551-17-7; 111-65-9

Toxicity:

Toxicity to fish:
LC50 - Morone saxatilis (Stripe Bass)): 2 mg/l (96 h)
LC50 - Oncorhynchus mykiss (Rainbow Trout): 9.2 mg/l (96 h)

Toxicity to daphnia and other aquatic invertebrates:
EC50 - Daphnia magna (Water Flea): 0.38 mg/l (48 h)

Toxicity to algae:
Growth Inhibition EC50 - Pseudokirchneriella subcapitata (Green Algae): 72 mg/l (14 d)

Persistence and Degradability:
Not readily biodegradable.

Bioaccumulative potential:
Most of the hydrocarbon blocks comprising naphtha solvents have a Log K_{OW} > 3 indicating that these constituents have a potential to bioaccumulate.

Mobility in Soil:
If product enters soil, it will be highly mobile and may contaminate groundwater.

Results of PBT and vPvB assessment:
Not required/conducted.

Other Adverse Effects:
An environmental hazard cannot be excluded in the event of unprofessional handling or disposal. Very toxic to aquatic life with long lasting effects.

13 DISPOSAL CONSIDERATIONS

Product: Hazardous wastes shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution, release into the environment or damage to people and animals. Contact a licensed professional waste disposal service to dispose of this material.

Contaminated Packaging: Dispose of as unused product.

14 TRANSPORT INFORMATION

DOT Class: Flammable Liquid (3) #3
UN #: UN 1263, Class: 3, Proper Shipping Name: PAINT RELATED MATERIAL

DOT (US):
UN Number: UN1263
Class: 3
Packing Group: II
ERG #: 128
Proper Shipping Name: PAINT RELATED MATERIAL
Marine Pollutant: No
Poison Inhalation Hazard(s): No
Limited Quantity: 1.3 gallons (5 liters)

IMDG
UN Number: UN1263
Class: 3
Packing Group: II
EMS-No: F-E, S-E
Proper Shipping Name: PAINT RELATED MATERIAL
Marine Polutant: No

IATA
UN Number: UN1263
Class: 3
Packing Group: II
ERG #: 128
Proper Shipping Name: PAINT RELATED MATERIAL

15 REGULATORY INFORMATION

COMPONENT / (CAS/PERC) / CODES
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*Xylene (1330207 <25%) CERCLA, CSWHS, EPCRAWPC, HAP, MASS, NJHS, OSHAWAC, PA, SARA311/312, SARA313, TOXICRCRA, TSCA, TXAIR, TXHWL

*Solvent naphtha, petroleum, light arom. (64742956 <20%) TSCA

*Titanium dioxide (13463677 <15%) MASS, NJHS, OSHAWAC, PA, PROP65, SARA311/312, TSCA, TXAIR

*Solvent naphtha, petroleum, light aliph. (64742898 <10%) CERCLA, MASS, NJHS, PA, PROP65, SARA311/312, TSCA

*Alkanes, C10-13-iso- (68551177 <10%) NJHS, PA, SARA311/31, TSCA

*Octane (111659 <1%) MASS, OSHAWAC, PA, SARA311/31, TSCA, TXAIR

REGULATORY KEY DESCRIPTIONS

CERCLA = Superfund clean up substance
CSWHS = Clean Water Act Hazardous substances
EPCRAWPC = EPCRA Water Priority Chemicals
HAP = Hazardous Air Pollutants
MASS = MA Massachusetts Hazardous Substances List
NJHS = NJ Right-to-Know Hazardous Substances
OSHAWAC = OSHA Workplace Air Contaminants
PA = PA Right-To-Know List of Hazardous Substances
PROP65 = CA Prop 65
SARA311/312 = SARA 311/312 Toxic Chemicals
SARA313 = SARA 313 Title III Toxic Chemicals
TOXICRCRA = RCRA Toxic Hazardous Wastes (U-List)
TSCA = Toxic Substances Control Act
TXAIR = TX Air Contaminants with Health Effects Screening Level
TXHWL = TX Hazardous Waste List

16 OTHER INFORMATION

Disclaimer:

The data in this Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material in any process. The information set forth herein is furnished free of charge and is based on technical data that McKinnon Materials, Inc.. believes to be reliable. It is intended for use by persons having technical skill and at their own discretion and risk. Since conditions of use are outside of McKinnon Materials, Inc.'s control, McKinnon Materials, Inc. makes no warranties, expressed or implied, and assumes no liability in connection with any use of this information. Nothing herein is to be taken as a license to operate under, or a recommendation to infringe upon, any patents.

Preparation Information:

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