



WEAVER GENERAL CONSTRUCTION COMPANY
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SUBMITTAL TRANSMITTAL

May 27, 2011

WGC Submittal No: 03300-013

PROJECT: Harold Thompson Regional WRF
 Birdsall Rd.
 Fountain, CO 80817
 Job No. 2908

ENGINEER: **GMS, Inc.**
 611 No. Weber St., #300
 Colorado Springs, CO 80903
 719-475-2935 Roger Sams

OWNER: **Lower Fountain Metropolitan
 Sewage Disposal District**
 901 S. Santa Fe Ave.
 Fountain, CO 80817
 719-382-5303 James Heckman

CONTRACTOR: **Garney Companies Inc.**
 7911 Shaffer Parkway
 Littleton, CO 80127
 303-791-3600 Dennis Van Auken

SUBJECT: Concrete Curing Materials

SPEC SECTION: 03300-5.d

PREVIOUS SUBMISSION DATES: None

DEVIATIONS FROM SPEC: ___ YES X NO

CONTRACTOR'S STAMP: This submittal has been reviewed by Weaver General Construction and approved with respect to the means, methods, techniques, & safety precautions & programs incidental thereto. Weaver General Construction also warrants that this submittal complies with contracted documents and comprises on deviations thereto:

Contractor's Stamp:

Date: 5/27/11
 Reviewed by: H.C. Myers
 (X) Reviewed Without Comments
 () Reviewed With Comments

Engineer's Stamp:

**ENGINEER'S
 COMMENTS:** _____

DAY-CHEM WHITE PIGMENTED CURE-W (J-9-A)

WATER BASED – WHITE PIGMENTED

PRODUCT DESCRIPTION

A water-based, wax, liquid membrane forming curing compound for freshly finished concrete. The Day-Chem White Pigmented Cure-W (J-9-A) is white pigmented to reflect the heat of the sun.

USE

Day-Chem White Pigmented Cure-W (J-9-A) is a curing compound formulated to retain a minimum of 95% moisture in freshly finished concrete to ensure full hydration of the cement. Specifically designed for use on exterior projects such as highway pavements, residential paving, airport runways, parking lots and other pavement projects.

ADVANTAGES

- Water-based
- Meets ASTM and AASHTO Standards
- Approved by numerous state highway departments
- Clean-Up with Water
- White pigments to reflect the heat of the sun

SPECIFICATIONS

ASTM C-309 Type 2, Classes A
AASHTO M-148 Type 2, Classes A

VOC

Complies with all applicable V.O.C. standards. Actual VOC <50 g/L

APPLICATION INSTRUCTIONS

Day-Chem White Pigmented Cure-W (J-9-A) should be thoroughly stirred prior to each days use. Do not over agitate or use high speed mixing equipment. Apply immediately after all surface water has disappeared and the surface cannot be marred. DO NOT delay in applying the curing compound. Use low pressure spray, roller or brush. For best results, a spray application is the preferred method. Do not thin. Apply uniformly without puddling. Do not interchange spray equipment that has been used with solvent based curing compounds with spray equipment that has been used with water based curing compounds without thorough cleaning.

APPROXIMATE COVERAGE RATES

200 ft² per gal. (4.9m²/L)

DRY TIME

Approximately 2 hrs. at 70° F (21°C)

PACKAGING

Item#	Packaging	Size Gal./ (Liter)
69165	Pails	5 (18.9)
69164	Drums	55 (208)
69144	Tote	275 (1,040)

CLEAN-UP

Tools and Equipment Use: While wet use water. After the product dries, Dayton Superior Citrus Peel (J-48) or organic solvents such as xylene may be necessary to remove the product.

LIMITATIONS

If surface is to be painted, sealed, topped, or otherwise treated after application, surface should be checked to ensure the product has completely dissipated or removed from the substrate. Always consult with manufacturer of subsequent treatment for any additional surface preparation that may be required. Do not apply at temperature below 40°F (4°C).

Keep from freezing.

Shelf life is 12 months from date of manufacture in unopened containers.

WARNING

- Use with adequate ventilation
- Keep out of the reach of children
- Do not take internally
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT induce vomiting

If splashed in the eyes, flush thoroughly with clean water for a minimum of 15 minutes. CALL A PHYSICIAN immediately. May cause irritation to the skin. If brought into contact with the skin, wash thoroughly with soap and water. Seek medical attention if redness or irritation occurs. Reseal container after each use. Wear protective clothing, gloves, and goggles. Read MSDS before using product.

Refer to www.daytonsuperior.com for latest Technical Data Sheet and MSDS
1125 Byers Rd., Miamisburg OH 45342
Customer Service: (888) 977-9600
Technical Assistance: (866) 329-8724

DAY-CHEM WHITE PIGMENTED CURE-W (J-9-A)

CONTINUED

MANUFACTURER

Dayton Superior Corporation
1125 Byers Rd.
Miamisburg, OH 45342
Customer Service: 888-977-9600
Technical Services: 866-329-8724
Website: www.daytonsuperior.com

WARRANTY

Dayton Superior Corporation ("Dayton") warrants for 12 months from the date of manufacture or for the duration of the published product shelf life, whichever is less, that at the time of shipment by Dayton, the product is free of manufacturing defects and conforms to Dayton's product properties in force on the date of acceptance by Dayton of the order. Dayton shall only be liable under this warranty if the product has been applied, used, and stored in accordance with Dayton's instructions, especially surface preparation and installation, in force on the date of acceptance by Dayton of the order. The purchaser must examine the product when received and promptly notify Dayton in writing of any non-conformity before the product is used and no later than 30 days after such non-conformity is first discovered. If Dayton, in its sole discretion, determines that the product breached the above warranty, it will, in its sole discretion, replace the non-conforming product, refund the purchase price or issue a credit in the amount of the purchase price. This is the sole and exclusive remedy for breach of this warranty. Only a Dayton officer is authorized to modify this warranty. The information in this data sheet supersedes all other sales information received by the customer during the sales process. THE FOREGOING WARRANTY SHALL BE EXCLUSIVE AND IN LIEU OF ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES OTHERWISE ARISING BY OPERATION OF LAW, COURSE OF DEALING, CUSTOM, TRADE OR OTHERWISE.

Dayton shall not be liable in contract or in tort (including, without limitation, negligence, strict liability or otherwise) for loss of sales, revenues or profits; cost of capital or funds; business interruption or cost of downtime, loss of use, damage to or loss of use of other property (real or personal); failure to realize expected savings; frustration of economic or business expectations; claims by third parties (other than for bodily injury), or economic losses of any kind; or for any special, incidental, indirect, consequential, punitive or exemplary damages arising in any way out of the performance of, or failure to perform, its obligations under any contract for sale of product, even if Dayton could foresee or has been advised of the possibility of such damages. The Parties expressly agree that these limitations on damages are allocations of risk constituting, in part, the consideration for this contract, and also that such limitations shall survive the determination of any court of competent jurisdiction that any remedy provided in these terms or available at law fails of its essential purpose.



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Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 01/02/2008

Reviewed on 01/02/2008

1 Identification of substance

- **Product details**

- **Trade name:** Day-Chem White Pigmented Cure (J-9-A)

- **Article number:** 83-69144

- **Application of the substance / the preparation**

- **Manufacturer/Supplier:**

Dayton Superior
4226 Kansas Avenue
Kansas City, KS 66106

Tel.: (866) 329-8724

Emergency Telephone Number: Use only in the event of an emergency involving a spill, leak, fire, exposure, or accident involving chemicals. Within the U.S., Canada, or the U.S. Virgin Islands, call ChemTrec at (800) 424-9300, 24 hours a day. Or, outside these areas, call (703) 527-3887. Collect calls are accepted.

- **Information department:** Environmental, Health, and Safety department.

2 Composition/Data on components

- **Chemical characterization**

- **Description:** Mixture of the substances listed below with nonhazardous additions.

- **Dangerous components:**

64742-61-6	Slack wax (petroleum)	10-25%
8052-41-3	Stoddard solvent	≤ 2.5%

- **Additional information:** For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- **Hazard description:** Not applicable.

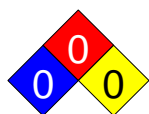
- **Information pertaining to particular dangers for man and environment:**

The product has to be labelled due to internationally acknowledged calculation procedures using the latest valid versions.

- **Classification system:**

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

- **NFPA ratings (scale 0 - 4)**



Health = 0
Fire = 0
Reactivity = 0

- **HMIS-ratings (scale 0 - 4)**

HEALTH	0	Health = 0
FIRE	0	Fire = 0
PHYSICAL HAZARD	0	Reactivity = 0

4 First aid measures

- **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

(Contd. on page 2)

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Trade name: Day-Chem White Pigmented Cure (J-9-A)

(Contd. of page 1)

- If skin irritation continues, consult a doctor.
- **After eye contact:** Rinse opened eye for several minutes under running water.
 - **After swallowing:** Seek medical treatment.

5 Fire fighting measures

- **Suitable extinguishing agents:**
CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Protective equipment:**
Because fire may produce thermal decomposition products, wear a self-contained breathing apparatus (SCBA) with a full face piece operated in pressure-demand or positive-pressure mode.

6 Accidental release measures

- **Person-related safety precautions:** Wear protective equipment. Keep unprotected persons away.
- **Measures for environmental protection:**
Dilute with plenty of water.
Inform respective authorities in case of seepage into water course or sewage system.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.

7 Handling and storage

- **Handling:**
- **Information for safe handling:**
Wear appropriate personal protective clothing to prevent eye and skin contact. Avoid breathing vapors or mists of this product. Use with adequate ventilation. Do not take internally.
- **Information about protection against explosions and fires:** Keep respiratory protective device available.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** Keep receptacle tightly sealed.

8 Exposure controls and personal protection

- **Additional information about design of technical systems:** No further data; see item 7.
- **Components with limit values that require monitoring at the workplace:**

8052-41-3 Stoddard solvent

PEL	2900 mg/m ³ , 500 ppm
REL	Short-term value: C 1800* mg/m ³ Long-term value: 350 mg/m ³ *15-min
TLV	525 mg/m ³ , 100 ppm

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**
Keep away from foodstuffs, beverages and feed.

(Contd. on page 3)

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Trade name: Day-Chem White Pigmented Cure (J-9-A)

(Contd. of page 2)

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Store protective clothing separately.

· Breathing equipment:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use respiratory protective device that is independent of circulating air.

· Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

· Eye protection: *Wear appropriate eye protection to prevent eye contact.*

9 Physical and chemical properties

· General Information

Form: Liquid

Color: White

Odor: Mild

· Change in condition

Melting point/Melting range: Undetermined.

Boiling point/Boiling range: 100°C (212°F)

· Flash point: Not applicable.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product does not present an explosion hazard.

· Vapor pressure at 20°C (68°F): 23.0 hPa (17 mm Hg)

· Density at 20°C (68°F): 0.993 g/cm³

· Solubility in / Miscibility with

Water: Fully miscible.

· Solvent content:

Organic solvents: 0.8 %

Water: 73.6 %

· Solids content: 25.1 %

· Volatile Organic Compounds: Contains less than 50 g/L.

10 Stability and reactivity

· Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

· Dangerous reactions No dangerous reactions known.

· Dangerous products of decomposition: No dangerous decomposition products known.

USA

(Contd. on page 4)

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Trade name: Day-Chem White Pigmented Cure (J-9-A)

(Contd. of page 3)

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on the skin:** No irritant effect.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant
Carcinogenic.

12 Ecological information

- **General notes:** At present there are no ecotoxicological assessments.

13 Disposal considerations

- **Product:**
- **Recommendation:**
Must not be disposed of as normal garbage. Do not allow product to reach sewage system.
It is the generator's responsibility to determine if the waste meets applicable definitions of hazardous waste. State and local regulations may differ from federal disposal regulations. Dispose of waste material according to local, state, federal, and provincial environmental regulations.
- **Uncleaned packagings:**
- **Recommendation:** Disposal must be made according to Federal, State, and Local regulations.
- **Recommended cleansing agent:** Water, if necessary with cleansing agents.

14 Transport information

- | | |
|---|--|
| · DOT regulations: | Not Regulated |
| · Hazard class: | N/A |
| · Limited Quantity Exemption: | No Limited Quantity exemption applies for this shipping class. |
| · U.S. Domestic Ground Shipments: | Same as listed for Standard Shipments above. |
| · U.S. Domestic Ground Non-Bulk (119 gal or less per container) Shipments: | Same as listed for Standard Shipments above. |
| · Emergency Response Guide (ERG) Number: | Not determine |
| · Land transport ADR/RID (cross-border): | Not Regulated |
| · ADR/RID class: | N/A |
| · Maritime transport IMDG: | Not Regulated |
| · IMDG Class: | N/A |
| · Marine pollutant: | No |
| · Air transport ICAO-TI and IATA-DGR: | Not Regulated |
| · ICAO/IATA Class: | N/A |

USA

(Contd. on page 5)

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Trade name: Day-Chem White Pigmented Cure (J-9-A)

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15 Regulations

· **Sara**

· **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

· **Section 313 (Specific toxic chemical listings):**

This product may contain 1 or more toxic chemicals subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. If so, the chemicals are listed below.

67-63-0	isopropanol	≤0.01%
111-42-2	2,2'-iminodiethanol	≤0.01%
79-10-7	acrylic acid	≤0.01%

· **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

· **Proposition 65**

· **Chemicals known to the State of California (Prop. 65) to cause cancer:**

14808-60-7 Quartz (SiO₂)

· **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

· **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

· **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

· **Cancerogenity categories**

· **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

· **IARC (International Agency for Research on Cancer)**

13463-67-7	titanium dioxide	3
7631-86-9	silicon dioxide, chemically prepared	3
14808-60-7	Quartz (SiO ₂)	1
67-63-0	isopropanol	3
111-42-2	2,2'-iminodiethanol	3
79-10-7	acrylic acid	3

· **NTP (National Toxicology Program)**

14808-60-7 Quartz (SiO₂)

K

· **TLV (Threshold Limit Value established by ACGIH)**

13463-67-7	titanium dioxide	A4
1332-58-7	Kaolin	A4
14808-60-7	Quartz (SiO ₂)	A2
79-10-7	acrylic acid	A4

· **MAK (German Maximum Workplace Concentration)**

14808-60-7 Quartz (SiO₂)

1

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

13463-67-7 titanium dioxide

14808-60-7 Quartz (SiO₂)

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Trade name: Day-Chem White Pigmented Cure (J-9-A)

(Contd. of page 5)

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

· Product related hazard informations:

The product has been classified and marked in accordance with directives on hazardous materials.

· Hazard symbols: T Toxic

· Hazard-determining components of labelling:

Stoddard solvent

Distilled Tall Oil Fatty Acids

· Risk phrases:

45 May cause cancer.

43 May cause sensitisation by skin contact.

· Safety phrases:

53 Avoid exposure - obtain special instructions before use.

1/2 Keep locked up and out of the reach of children.

13 Keep away from food, drink and animal feedingstuffs.

20 When using do not eat or drink.

23 Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer).

24 Avoid contact with skin.

28 After contact with skin, wash immediately with plenty of ... (to be specified by the manufacturer).

29/56 Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point.

37/39 Wear suitable gloves and eye/face protection.

45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

52 Not recommended for interior use on large surface areas.

· National regulations:

· Water hazard class: Water hazard class 3 (Self-assessment): extremely hazardous for water.

16 Other information

The provided information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

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· Department issuing MSDS: Environmental, Health & Safety Department

· Contact: Environmental, Health & Safety Manager

Material Safety Data Sheet for UltraCure NCF

Adhesive

TYPE: Hot Melt Adhesive

PHYSICAL PROPERTIES: Appearance: Light yellow solid
Solids: 100%
Viscosity: Approx. 4,900 cps @ 275_F
Approx. 3,200 cps @ 300_F
Approx. 1,850 cps @ 325_F
Lbs./gallon: Approx. 7.8
Softening Point: Approx. 235_F (Ball & Ring)

SUGGESTED USES: Construction adhesive - Nonwovens.

OPERATING CONDITIONS: Running temperature 275_F - 350_F.
Can be applied by all conventional hot melt applicators including roll, nozzle, spray, foam.

PRECAUTIONS: Material is applied hot - appropriate clothing and eye protection should be used. Use with adequate ventilation to remove any hot melt fumes or vapors that are generated. Keep containers and premelters covered to avoid contamination. Rotate stock - first in - first out. Do not mix with other adhesives.

PACKAGE: 3.5 lb. per block, cavity package.

Airlaid

1. IDENTIFICATION

Article: Thermal Bonded Airlaid Material

Possible Application: Absorption material, acquisition material, etc.

Telephone: 1-866-913-8363

2. INFORMATION ON INGREDIENTS

Composition: cellulose, polyolefines

3. HAZARD IDENTIFICATION

Ingestion: can absorb liquid

Route(s) of Entry	Inhalation? Excessive dust concentrations may cause unpleasant deposit or obstruction in the nasal passages. Remove to	Skin? NOT APPLICABLE FOR PRODUCT IN PURCHASE FORM.	Ingestion? NOT APPLICABLE FOR PRODUCT IN PURCHASE FORM.
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	fresh air. Get medical help if persistent irritation, severe coughing or breathing difficulty occurs.		
Health Hazards (Acute and Chronic) NOT A HEALTH HAZARD AS DEFINED BY OSHA			
Carcinogenicity Listing:	NTP? NOT LISTED	IARC Monographs? NOT LISTED	OSHA Regulated? NOT REGULATED
Signs and Symptoms of Exposure PAPER (cellulose) DUST IS A BIOLOGICALLY INERT DUST THAT HAS LITTLE OR NO EFFECT ON THE LUNGS AND DOES NOT PRODUCE SIGNIFICANT ORGANIC DISEASE OR TOXIC EFFECT WHEN ALLOWABLE EXPOSURE LIMITS ARE MET.			
Medical conditions Generally Aggravated by Exposure CELLULOSE DUST MAY AGGRAVATE PREEXISTING RESPIRATORY CONDITIONS OR ALLERGIES.			
Emergency and First Aid Procedures EYE CONTACT: IRRIGATE WITH WATER FOR 15 MINUTES. IF ANY IRRITATION PERSISTS OBTAIN MEDICAL ADVICE. SKIN CONTACT: NOT APPLICABLE FOR PRODUCT IN PURCHASE FORM. INGESTION: NOT APPLICABLE FOR PRODUCT IN PURCHASE FORM INHALATION: REMOVE ANY MATERIAL FROM THE MOUTH AND FREE THE AIRWAY. REMOVE THE PATIENT TO FRESH AIR. IF BREATHING HAS STOPPED OBTAIN MEDICAL ASSISTANCE IMMEDIATELY.			

4. FIRST AID MEASURES

Ingestion: seek medical aid
(no others applicable)

5. FIRE FIGHTING MEASURES

Extinguishing media: water
Special fire fighting measures: ABC powder, foam

6. ACCIDENTAL RELEASE MEASURES

(none required)

7. HANDLING AND STORAGE

Handling: no special safety measures required
Storage conditions: avoid moisture; keep in dry place away from open flame

8. EXPOSURE CONTROLS

(none required)

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	solid
Odour:	odourless
Melting Point/Range:	not applicable
Boiling Point/Range:	not applicable for this product
Vapour pressure:	not applicable
Flash point:	not applicable
Autoignition:	~ 230 °C (cellulose)
Specific density:	see specification sheet
Solubility in water:	insoluble
pH-value:	not applicable
Viscosity:	not applicable

10. STABILITY AND REACTIVITY

Stability:	stable
Reactivity:	non reactive
Decomposition:	combustion products include carbon monoxide and carbon hydrates

11. TOXICOLOGICAL INFORMATION

This product and its ingredients are not toxic, not irritant and not carcinogenic.

12. ECOLOGICAL INFORMATION

This product is partial biodegradable.

13. DISPOSAL CONSIDERATION

Disposal of the product:	This product may be disposed of by incineration, in approved landfill tips or by other authorised means. Observe local regulations.
Waste description:	cellulose, polyolefines.

14. TRANSPORT INFORMATION

Does not belong to dangerous goods according to transport regulations.

15. REGULATORY INFORMATION

No regulatory information is relevant to the usage of this product.

16. OTHER INFORMATION

For further information, please refer to raw materials MSDS.

Film

SECTION 1: PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: This MSDS is applicable to all polyethylene based films used in manufacturing by McDonald Technology Group.

CHEMICAL NAME:
Polyethylene or Ethylene-Olefin Copolymer

CHEMICAL FAMILY:
Ethylene-Based Polymer

PRODUCT DESCRIPTION:
A thin film based upon Polyethylene polymers

EMERGENCY TELEPHONE NUMBER: 1-866-913-8363

SECTION 2: HAZARDOUS INGREDIENT INFORMATION

This product is not hazardous as defined in, 29 CFR 1910.1200

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT:
Particulates may scratch eye surfaces/cause mechanical irritation.

SKIN CONTACT:
Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F).
Exposure to hot material may cause thermal burns.

INHALATION:
Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F) Vapors and/or aerosols, which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Low order of toxicity.

INGESTION:
Minimal toxicity.

FIRST AID EYE CONTACT:
This product is an inert solid. If piece gets in eye, remove as one would any foreign object.

SKIN CONTACT:
For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. **No** attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.

INHALATION:
First aid is normally not required

INGESTION:

First aid is normally not required.

WORKPLACE EXPOSURE LIMITS

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

5 mg/m3 (respirable dust), and 15 mg/m3 (total dust) based on the OSHA PEL for nuisance dust.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

a TWA of 10 mg/m3 (total dust) for nuisance dust.

PRECAUTIONS

PERSONAL PROTECTION:

For open systems at ambient temperature (-18 to 38 degrees C) where contact is likely, wear safety glasses with side shields.

Where contact may occur with hot material. Wear thermal resistant gloves, arm protection, and a face shield.

VENTILATION:

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: Estimated Minimum	649 Deg F. METHOD: ASTM E136	NOTE:
FLAMMABLE LIMITS: applicable	n/a	NOTE: Not
AUTOIGNITION TEMPERATURE: Estimated Minimum	649 Deg F.	NOTE:

GENERAL HAZARD:

Solid material may burn at or above the flashpoint, and airborne dust may explode if ignited. Toxic gases will form upon combustion. Static Discharge, material can accumulate static charges, which can cause an incendiary electrical discharge

FIRE FIGHTING:

Use water spray to cool fire-exposed surfaces, protect personnel, and extinguish the fire. Respiratory and eye protection required for fire fighting personnel.

HAZARDOUS COMBUSTION PRODUCTS:

Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

SECTION 5 SPILL CONTROL/ACCIDENTAL RELEASE PROCEDURE

(applicable to material in pellet form only)

LAND SPILL:

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

WATER SPILL

Plastic pellets are defined by the US EPA under the Clean Water Act (40CFR122.26) as a "significant material" which requires any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulations with the potential for substantial fines and penalties. Skim from surface.

Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Recover the spilled material and place in suitable containers for recycle or disposal.

SECTION 6: NOTES

NOTES:

SPECIAL PRECAUTIONS:

Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures. It is recommended that the current ACGIH-TLVs for these materials be observed.

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	1	1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

SECTION 7: REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):

DOT HAZARD CLASS: Not regulated
DOT IDENTIFICATION NUMBER: Not Available

FLASHPOINT: 649 Deg F. **METHOD:** AS1-M E136 **NOTE:** Estimated Minimum

TSCA:

This product is listed on the TSCA Inventory.

CERCLA:

If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:

Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:

Not Hazardous.

This product does not contain Section 313 Reportable Ingredients.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY:

0.92 0.970

VAPOR PRESSURE, mmHg at 'F:

Not applicable

SOLUBILITY IN WATER, WT.

Insoluble

VISCOSITY OF LIQUID, CST AT 'F:

Not applicable

SP. GRAV. OF VAPOR, at 1 atm (air=1)

Not applicable

FREEZING/MELTING POINT, 'F

225 to 229 Deg F

EVAPORATION RATE, n-Bu Acetate=1:

Not applicable

BOILING POINT, . F:

Not applicable

SECTION 9: REACTIVITY DATA

STABILITY:

Stable

HAZARDOUS POLYMERIZATION:

Will not occur

CONDITIONS TO AVOID INSTABILITY:

Temperatures over 650 F (343 C) may cause resin degradation.

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:

Fluorine

Strong Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:

Not applicable

SECTION 10: STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper grounding procedure

STORAGE TEMPERATURE, 'F:

Ambient

LOADING/UNLOADING TEMPERATURE, 'F:

Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:

Atmospheric

VISC. AT LOADING/UNLOADING TEMP.. cST:

Solid

REVISION SUMMARY: (NA)

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES

REPRESENTATIVE 1-866-913-8363

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

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UltraCure NCF™ / UltraCure SUN™ Disposable Wet Cure Blanket

Material Specification:

UltraCure NCF™ and UltraCure SUN™ moisture-retaining coverings by McTech Group, Inc. are natural colored cellulose fabrics with a 3 mil clear (NCF) or reflective (SUN) impervious coating applied to one side. UltraCure SUN™ has a non-perforated reflective vapor barrier coating designed to help provide protection against UV degradation. Both non-staining fabrics have a tensile strength meeting ASTM D-882 and a minimum retention capacity of 6.5(g). Material shall meet or exceed ASTM C171-03, ASTM C171-97a and AASHTO M171-00, standard specifications for sheet material for curing concrete slabs or pavement.

Application:

Place wet, UltraCure NCF™ or UltraCure SUN™ wet cure covering in widest practical width as soon as concrete has hardened sufficiently to prevent surface damage. Sides and end shall be lapped at least 3". Immediately repair any holes or tears during curing period using wet cure material and water. Cover entire surface area including edges of paving and sidewalks. Install UltraCure NCF™ moisture containing wet cure covering material as per manufacturer's written instructions. Wet surface of slab-on-grade with 1/8" to 1/4" inch of water to cover entire surface area of slab, then slowly unroll the UltraCure NCF™ product onto slab using the roller squeegee applicator. No portion of this product shall be reused once it has been put into use on a slab on grade or other concrete application.

Maintain UltraCure NCF™ in place on concrete for a period of not less than seven (7) days after placement. Continuous inspection for the purpose of maintaining 100 % curing blanket contact with surface to be cured is recommended.

Physical Properties: UltraCure NCF™ / UltraCure SUN™

Property	Value	ASTM Test Method
Basis Wt.	151 g/sm	ASTM D - 2103
Caliper	1.4 mm	ASTM D - 5199
Tensile □	4783 psi	ASTM D - 882
□	4900 psi	
Elongation	721%	ASTM D - 882
□	622%	
Elmendorf	1500 g	ASTM D - 1922
□	350 g	
Dart	300 g	ASTM D - 1709
Reflectance*	96%	ASTM E - 1447

*UltraCure SUN™ TD= Transverse Direction MD= Machine Direction

Technical Assistance Contact:

McTech Group, Inc. Toll Free: 1-866-913-8363
 120 Camp St. Suite B Fax: 770-913-8307
 Loganville, Ga. 30052 Web: www.UltraCure.net

The information provided herein is based upon data believed to be reliable. All testing is performed with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use. ©2005, McTech Group, Inc. All rights reserved.