

SAFETY DATA SHEETS

This SDS packet was issued with item:

072343218

The safety data sheets (SDS) in this packet apply to one or more components included in the items listed below. Items listed below may require one or more SDS. Please refer to invoice for specific item number(s).

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FIRST HALF**MATERIAL SAFETY DATA****SECTION 1 - PRODUCT IDENTIFICATION**

Company Name: Danville Materials, Inc.
3420 Fostoria Way, Ste A-200
San Ramon, CA 94583
Phone (800) 827-7940
Fax: (925) 973-0764
Prepared: January 30, 2012

SECTION II : HAZARD(S) IDENTIFICATION

OSHA Permissible Exposure Limits: None
Other Exposure Limit Used: None
ACGIH Threshold Exposure Limit: None
Chronic, Other: None

SECTION III : COMPOSITION/INFORMATION ON INGREDIENTS**Hazardous Component**

Mixture of Polydimethylsiloxane, Silica and Paraffin Chemical Family: Silicon
No known hazardous components

SECTION IV : FIRST-AID MEASURES

Eye contact: Flush eyes with large amounts of water, consult a physician
First Aid Procedures: For Skin - Wash off infected area with soap and water.
For Ingestion -Seek medical advice, carry container with label and MSDS.
Effects of over Exposure: N/A

SECTION V: FIRE-FIGHTING MEASURES

Flash Point: 485OF (252 OC) closed cup – DIN 51755
Extinguishing Media: Carbon dioxide, Water
Special Fire Fighting Procedures: None
Flammable limits: ND
Unusual Fire and Explosion Hazards: Irritating and/or toxic gases and aerosols may be present from the decomposition/combustion of product.

SECTION VI : ACCIDENTAL RELEASE MEASURES

None

SECTION VII : HANDLING AND STORAGE

Spill Management: Use absorbent to collect the material. Wash contaminated surfaces with Soap and water

SECTION VIII : EXPOSURE CONTROLS/PERSONAL PROTECTION

Respiratory: None
Eye Protection: Safety goggles
Gloves: Surgical, rubber/PVC gloves
Other Clothing and Equipment: Face Mask
Ventilation: None required, local exhaust recommended

SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES

Vapor Pressure: NA
Vapor Density: NA
Evaporation Rate: NA
Solubility in Water: Insoluble
Boiling Point: ND
Percent Volatile: 2
Appearance and Odor: Silicon (various different colors) no odor

SECTION X: STABILITY AND REACTIVITY

Stable (x) Unstable ()
Conditions to Avoid: Heat in excess of 40°C, direct sunlight or intense light.
Incompatibility: Free radical initiators, oxidizing agents
Hazardous Decomposition Products: Acrylic smoke
Hazardous Polymerization: May occur () Will not occur (x)

SECTION XI: TOXICOLOGICAL INFORMATION

Carcinogens: None known

SECTION XII : ECOLOGICAL INFORMATION

This material contains hazardous components. Allow materials to cure prior to disposal.

SECTION XIII : DISPOSAL CONSIDERATIONS

Dispose of safely in accordance with local, state, and federal regulations.

SECTION XIV : TRANSPORT INFORMATION

Stable under normal conditions of use, transportation, and storage.

SECTION XV: REGULATORY INFORMATION

510k#: K951075

SECTION XVI : OTHER INFORMATION

None

The data and information given in this msds are accurate on the date of preparation. It does not indicate any warranty or representation. We disclaim all liability relating to use of this material since this is beyond our control.



DANVILLE
M A T E R I A L S

3420 FOSTORIA WAY STE. A-200 SAN RAMON, CALIFORNIA 94583 USA

PHONE 800/827-7940 FAX 925/973-0764

Safety Data Sheet

according to 29CFR1910/1200 and GHS Rev. 3

Effective date : 02.11.2015

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First Half™

SECTION 1 : Identification of the substance/mixture and of the supplier

Product name: First Half

Manufacturer/Supplier Trade name:

Manufacturer/Supplier Article number: First Half

Recommended uses of the product and restrictions on use:

Manufacturer Details: Danville Materials, LLC
3420 Fostoria Way, Suite A-200
San Ramon, CA 94583

Supplier Details:

Emergency telephone number:

ChemTrec Inc 1-800-424-9300, 703-527-3887 (CHEMTREC)

SECTION 2 : Hazards Identification

Classification of the substance or mixture:



Irritant
Skin sensitization, Category 1

Serious eye damage/eye irritation - Category 1
Respiratory sensitization - Category 1
Skin sensitization - Category 1

Signal word : Warning

Hazard statements:

May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause an allergic skin reaction

Precautionary statements:

If medical advice is needed, have product container or label at hand
Keep out of reach of children
Read label before use
Wash skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Do not breath dust/fume/gas/mist/vapours/spray
Contaminated work clothing should not be allowed out of the workplace
In case of inadequate ventilation wear respiratory protection
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a POISON CENTER or doctor/physician
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.
Continue rinsing.
If exposed or concerned: Get medical advice/attention
If experiencing respiratory symptoms: Call a POISON CENTER or doctor/physician
Specific treatment (see supplemental first aid instructions on this label)
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

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Wash contaminated clothing before reuse
Store locked up
Dispose of contents and container as instructed in Section 13

SECTION 3 : Composition/information on ingredients

Ingredients:		
CAS 68083-19-2	Polyvinylidimethylsiloxane	30 - 70%
CAS - Proprietary	Fillers	30 - 70%
CAS 68478-92-2	Platinum divinyltetramethyldisiloxane complex	0.1 - 1.0%
Percentages are by weight		

SECTION 4 : First aid measures**Description of first aid measures**

After inhalation: Loosen clothing as necessary and position individual in a comfortable position. Move exposed to fresh air. Give artificial respiration if necessary. If breathing is difficult give oxygen. Get medical assistance if cough or other symptoms appear.

After skin contact: Rinse/flush exposed skin gently using soap and water for 15-20 minutes. Seek medical advice if discomfort or irritation persists.

After eye contact: Protect unexposed eye. Rinse/flush exposed eye(s) gently using water for 15-20 minutes. Remove contact lens(es) if able to do so during rinsing. Seek medical attention immediately.

After swallowing: Rinse mouth thoroughly. Do not induce vomiting. Seek medical attention if irritation, discomfort, or vomiting persists. Never give anything by mouth to an unconscious person.

Most important symptoms and effects, both acute and delayed:

Irritation. Headache. Nausea. Shortness of breath.

Indication of any immediate medical attention and special treatment needed:

If seeking medical attention provide SDS document to physician. Physician should treat symptomatically.

SECTION 5 : Firefighting measures**Extinguishing media**

Suitable extinguishing agents: Use water, dry chemical, chemical foam, carbon dioxide, or alcohol-resistant foam.

For safety reasons unsuitable extinguishing agents: None identified.

Special hazards arising from the substance or mixture:

Thermal decomposition can lead to release of irritating gases and vapors.

Advice for firefighters:

Protective equipment: Wear protective eyewear, gloves, and clothing. Refer to Section 8. Use NIOSH-approved respiratory protection/breathing apparatus.

Additional information (precautions): Avoid inhaling gases, fumes, dust, mist, vapor, and aerosols. Avoid contact with skin, eyes, and clothing.

SECTION 6 : Accidental release measure**Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation. Ensure that air-handling systems are operational.

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Environmental precautions:

Should not be released into environment. Prevent from reaching drains, sewer, or waterway.

Methods and material for containment and cleaning up:

Wear protective eyewear, gloves, and clothing. Refer to Section 8. Always obey local regulations. Containerize for disposal. Refer to Section 13. If necessary use trained response staff or contractor. Evacuate personnel to safe areas. Keep in suitable closed containers for disposal.

Reference to other sections:**SECTION 7 : Handling and storage****Precautions for safe handling:**

Avoid contact with skin, eyes, and clothing. Follow good hygiene procedures when handling chemical materials. Refer to Section 8. Follow proper disposal methods. Refer to Section 13. Do not eat, drink, smoke or use personal products when handling chemical substances.

Conditions for safe storage, including any incompatibilities:

Store in a cool location. Keep away from food and beverages. Protect from freezing and physical damage. Provide ventilation for containers. Keep container tightly sealed. Store away from incompatible materials.

SECTION 8 : Exposure controls/personal protection**Control Parameters:**

This product contains no relevant components with limits of values to be supervised at the workplace.

Appropriate Engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of use or handling. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapor and mists below the applicable workplace exposure limits (Occupational Exposure Limits-OELs) indicated above.

Respiratory protection:

Not required under normal conditions of use. Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a back up to engineering controls. When necessary use NIOSH approved breathing equipment.

Protection of skin:

Select glove material impermeable and resistant to the substance. Select glove material based on rates of diffusion and degradation. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Use proper glove removal technique without touching outer surface. Avoid skin contact with used technique without touching outer surface. Avoid skin contact with gloves. Wear protective clothing.

Eye protection:

Wear equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU). Safety glasses or goggles are appropriate eye protection.

General hygiene measures:

Perform routine housekeeping. Wash hands before breaks and at the end of work. Avoid contact with skin, eyes, and clothing. Before wearing, wash contaminated clothing.

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SECTION 9 : Physical and chemical properties

Appearance (physical state, color):	Paste, Putty, Knead-able Paste	Explosion limit lower; Explosion limit upper;	Not applicable Not applicable
Odor:	Odorless	Vapor pressure:	Non volatile
Odor threshold:	Odorless	Vapor density:	Not Determined
pH-value:	Not Determined	Relative density:	Not Determined
Melting/Freezing point:	Not Determined	Solubilities:	Soluble
Boiling point/Boiling range:	Not Determined	Partition coefficient (n-octanol/water):	Not Determined
Flash point (closed cup):	Not Determined	Auto/Self-ignition temperature	Not Determined
Evaporation rate:	Not Determined	Decomposition temperature:	Not Determined
Flammability (solid, gaseous)	Not flammable	Viscosity:	a. Kinematic: Not Determined b. Dynamic: Not Determined
Density: Not Determined			

SECTION 10 : Stability and reactivity

Reactivity: Nonreactive under normal conditions.

Chemical stability: Stable under normal conditions.

Possible hazardous reactions: None identified.

Conditions to avoid: Incompatible materials. Prolonged extreme heat. Free radical initiators.

Incompatible materials: Contact with iron.

Hazardous decomposition products: Not determined.

SECTION 11 : Toxicological information

Acute Toxicity:		
Dermal:	111-30-8	LD50 Rabbit 560 µL/kg (Source: NLM_CIP)
Inhalation	111-30-8	LC50 Rat 0.1mg/L 4 h (source: IUCLID)
Oral:	111-30-8	LD50 Rat 252 mg/kg (Source: NLM_CIP)
Dermal:	868-77-9	Dermal LD50 Rabbit > 3000 mg/kg (Source: IUCLID)
Oral:	868-77-9	LD50 Rat 5050 mg/kg (Source: NLM_CIP)
Chronic Toxicity: No additional information.		
Corrosion Irritation:		
Ocular:	[Commission of the European Communities. Legislation on Dangerous Substances - Classification and Labelling in the European Communities. Vol. II. London and Trotman Ltd., 1989., p. 404] @**PEER REVIEWED**	Irritating to eyes and skin.
Sensitization:	No additional information.	
Single Target Organ (STOT):	No additional information.	
Numerical Measures:	No additional information.	
Carcinogenicity:	No additional information.	
Mutagenicity:	No additional information.	
Reproductive Toxicity:	No additional information.	

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SECTION 12 : Ecological information

Ecotoxicity

111-30-0 : Freshwater algae: 72 Hr EC50 Desmodesmus subspicatus: 0.61 mg/L; 96 Hr EC50 Desmodesmus subspicatus 0.84 mg/L

868-77-9 : Freshwater fish: 96 Hr LC50 Pimephales promelas: 213 -0242 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 227 mg/L

Persistence and degradability: Not determined.

Bioaccumulative potential: Not determined.

Mobility in soil: Not determined.

Other adverse effects: None identified.

SECTION 13 : Disposal considerations

Waste disposal recommendations:

Contact a licensed professional waste disposal service to dispose of this material. Dispose of empty containers as unused product. Product or containers must not be disposed with household garbage. It is the responsibility of the waste generator to properly characterize all waste materials according to applicable regulatory entities (US 40CFR262.11). Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. Chemical waste generators must also consult local, regional, and national hazardous waster regulations. Ensure complete and accurate classification.

SECTION 14 : Transport information

UN-Number

Not Regulated

UN proper shipping name

Not Regulated

Transport hazard class(es)

Packing group: Not Regulated

Environmental hazard:

Transport in bulk:

Special precautions for user:

SECTION 15 : Regulatory information

United States (USA)**SARA Section 311-312 (Specific toxic chemical listings):**

Acute

SARA Section 313 (Specific toxic chemical listings):

None

RCRA (hazardous waste code):

None of the ingredients are listed.

TSCA (Toxic Substances Control Act):

All ingredients are listed.

CERCLA (Comprehensive Environmental Response, Compensation, and Liability Act):

1310-58-3 Potassium hydroxide 1000 lbs
123-31-9 Hydroquinone 100 lbs

Proposition 65 (California):**Chemicals known to cause cancer:**

None of the ingredients are listed

First Half™**Chemicals known to cause reproductive toxicity for females:**

None of the ingredients are listed

Chemicals known to cause reproductive toxicity for males:

None of the ingredients are listed

Chemicals known to cause developmental toxicity:

None of the ingredients are listed

Canada**Canadian Domestic Substances List (DSL)**

All ingredients are listed

Canadian NPRI Ingredient Disclosure list (limit 0.1%):

None of the ingredients are listed

Canadian NPRI Ingredient Disclosure list (limit 1%):

None of the ingredients are listed

SECTION 16 : Other information

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations. Note: The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and develop work practice procedures for a safe work environment. The information contained herein is, to the best of our knowledge and belief, accurate. However, since the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all applicable laws and regulations applicable to this material.

GHS Full TEXT Phrases:**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

PNEC: Predicted No-Effect Concentration (REACH)

CFR: Code of Federal Regulations (USA)

SARA: Superfund Amendments and Reauthorization Act (USA)

RCRA: Resource Conservation and Recovery Act (USA)

TSCA: Toxic Substances Control Act (USA)

NPRI: National Pollutant Release Inventory (Canada)

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists

CAS: Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

WHMIS: Workplace Hazardous Materials Information System (Canada)

DNEL: Derived No-Effect Level (REACH)

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