

Safety Data Sheet

According to OSHA Hazard Communication 29 CFR Part 1910.1200

Printing Date: 1/20/2015

Revision: 1/20/2015

Trade Name: CLEAN PRINT™ liquid release agent

SECTION 1 Identification

Product Name: CLEAN PRINT™
Product Type: Liquid release agent
Supplied by: Elite Crete Systems
1061 Transport Drive,
Valparaiso, IN 46383
Toll Free: 888-323-4445
Tel: (219) 465-7671
Fax: (219) 531-0898
www.elitecrete.com

For Emergency Medical Assistance:

Call Health & Safety Information Services
(1-866-303-6949)

For Emergency transportation Information:

CHEMTREC US DOMESTIC: 1-800-424-9300

CHEMTREC INTERNATIONAL: 1-703-527-3887

CANUTEC CA DOMESTIC: 1-613-996-6666

SECTION 2 Hazard(s) identification

*** EMERGENCY OVERVIEW ***: Flammable/Combustible liquid and vapor.

GHS Classification

Asp. Tox. 1,, Flam. Liq. 4, STOT SE 3 NE, Skin Irrit. 2

WHMIS-symbols:



NFPA ratings (scale 0 - 4)



Health = 1
Fire = 2
Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health	1
Fire	2
Reactivity	0

Health 1
Fire = 2
Reactivity = 0

2.1 Classification of the substance or mixture

Classification according to regulation (EC) No 1272/2008

Symbol(s) of Product



Signal Word

Warning

GHS HAZARD STATEMENTS

Flammable Liquid, category 4

Aspiration Hazard, category 1

Skin Irritation, category 2

STOT, single exposure, category 3, NE

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

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P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical/ventilating/lighting/equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing dust/fume/gas/mist/vapors/spray.
P264	Wash thoroughly after handling.
P271	Use only outdoors or in a well-ventilated area.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
P302 +P352	IF ON SKIN: Wash with plenty of water.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340	IF INHALED: remove person to fresh air and keep comfortable for breathing.
P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P321	Specific treatment (see first aid on this label)
P331	Do NOT induce vomiting
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate method to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 Composition/information on ingredients

3.2 Mixture.

Description: Mixture of substances listed below with nonhazardous additives.

Non Hazardous/Hazardous components:

Identification #	Description	WT. %
CAS: 64742-47-8 EINECS: Index Number:	Aliphatic hydrocarbon GHS Symbols: GHS02, GHS07 GHS statements: H304, H227, H315, H336	< 100%

The text for GHS hazard statements shown above (if any) is given in the other information section #16.

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SECTION 4 First aid measures



FIRST AID - EYE CONTACT: Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly.

FIRST AID - SKIN CONTACT: Remove contaminated clothing. Wash skin with soap and water. Get medical attention. Wash clothing separately and clean shoes before reuse.

FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention.

FIRST AID - INGESTION: DO NOT induce vomiting. Get medical attention immediately. Quickly give 3 or more glasses of water for the victim to drink.

Most important symptoms and effects, both acute and delayed

Dizziness

Coughing

Breathing difficulty

Hazards:

Condition may deteriorate with alcohol consumption.

Indication of any immediate medical attention and special treatment needed.

If swallowed, gastric irrigation with added, activated carbon.

Monitor circulation, possible shock treatment.

Medical supervision for at least 48 hours.

Treat Skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5 Firefighting measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable/combustible liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Avoid use of solid water streams. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

SECTION 6 Accidental release measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) **Eliminate all ignition sources.** Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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SECTION 7 Handling and storage



HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Always open containers slowly to allow any excess pressure to vent. Follow all MSDS/label precautions even after containers are emptied because they may retain product residues.

STORAGE: Keep away from heat, sparks, and flame. Store containers in a cool, well ventilated place. Keep container closed when not in use.

SECTION 8 Exposure controls/personal protection

Ingredients with Occupational Exposure Limits

<u>Chemical Name</u>	<u>ACGIH TLV-TWA</u>	<u>ACGIH-TLV STEL</u>	<u>OSHA PEL-TWA</u>	<u>OSHA PEL-CEILING</u>
Aliphatic Hydrocarbon	N.D.	N.D.	N.D.	N.D.

Personal Protection



RESPIRATORY PROTECTION: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.



SKIN PROTECTION: Wear impervious gloves to prevent contact with the skin. Wear protective gear as needed - apron, suit, boots.



EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.



OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.



HYGENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

SECTION 9 Physical and chemical properties

Appearance:	Clear transparent liquid	Physical State:	Liquid
Odor:	Typical solvent	Odor Threshold:	N.D.
Density, g/cm³:	0.799 (6.65 lbs/gal)	pH:	N.D.
Freeze Point, °F:	N.D.	Viscosity:	N.D.
Solubility in Water:	Insoluble	Explosive Limits, vol%:	0.8 – 6.0
Boiling Range, °F:	374- 401°F (190-205°C)	Flash Point, °F:	140°F (60°C)
Evaporation Rate:	0.9 (n-butyl acetate=1)	Auto-ignition Temp., °F:	N.D.
Vapor Density:	5.1 (air=1)	Vapor Pressure:	N.D.

(See "Other information" Section for abbreviation legend)

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SECTION 10 Stability and reactivity

STABILITY: No Information

CONDITIONS TO AVOID: Avoid impact, friction, heat, sparks, flame and source of ignition.

INCOMPATIBILITY: Prevent contact with strong oxidizing agents. Keep away from acids.

HAZARDOUS DECOMPOSITION PRODUCTS: No Information

HAZARDOUS POLYMERIZATION: No Information

SECTION 11 Toxicological information



Information on Toxicological Effects

EFFECTS OF OVEREXPOSURE - INHALATION: Breathing in the material may irritate the mucous membranes of the nose, throat bronchi and lungs. Vapors are irritating to the respiratory tract.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation.

EFFECTS OF OVEREXPOSURE - INGESTION: Ingestion may cause gastrointestinal tract irritation.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: No Information

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
64742-47-8	Aliphatic hydrocarbon	5,000	2,000	<20

SECTION 12 Ecological information

ECOLOGICAL INFORMATION: No Information

SECTION 13 Disposal considerations



For more guidance and information contact our Waste Services Division at (262) 658-4000. Always dispose of any waste in accordance with all local, state, and federal regulations.

DISPOSAL METHOD: Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASE OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Evacuate unnecessary personnel. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container.

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SECTION 14 Transport information

14.1 UN-Number	
DOT:	NON REGULATED
ADR, IMDG, IATA:	NON REGULATED
14.2 UN proper shipping name	
DOT:	NON REGULATED
ADR, IMDG, IATA:	NON REGULATED
14.3 Transport hazard class(es)	
DOT	
Class:	NON REGULATED
Label:	
ADR, IMDG, IATA	
Class:	NON REGULATED
Label:	
14.4 Packing group	
DOT, ADR, IMDG, IATA:	NON REGULATED

14.5 Environmental hazards:	
Marine pollutant:	This products ingredients are not classified by the DOT as a Marine Pollutant (as defined by 49 CFR 172.101, Appendix B)
14.6 Special precautions for user	
Danger code (Kemler):	No data available
EMS Number:	No data available
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:	
	No data available
Transport/Additional information	Combustible liquids
ADR	
Tunnel restriction code	No data available
UN "Model Regulation":	No data available

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SECTION 15 Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

No Sara 313 components exist in this product.

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.

<u>Chemical Name</u>	<u>CAS-No.</u>
No right to know components exist	N/A

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients are present in the product are at or greater than 3%.

<u>Chemical Name</u>	<u>CAS-No.</u>
No right to know components exist	N/A

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

No Proposition 65 Carcinogens exist in this product.

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -

WHMIS Class: No Information

CANADIAN WHMIS: No information

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.

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SECTION 16 Other information

Revision Date: 1/7/2015

Supersedes Date: New SDS

Datasheet produced by: Elite Crete Systems

HMIS Ratings:

Health:	1	Flammability:	2	Reactivity:	0	Personal Protection:	X
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Volatile Organic Compounds, gr/ltr: 0

DISCLAIMER: THE VOLATILE ORGANIC COMPOUND (VOC) CONTENT REPORTED HEREIN, IF ANY, IS BASED ON A MATERIAL VOC CALCULATION. NOTE THAT SEVERAL METHODS ARE USED FOR CALCULATING VOC CONTENT AND THAT STANDARDS/ REQUIREMENTS REGARDING VOC CONTENT VARY BY LOCATION/JURISDICTION. ACCORDINGLY, EMCO MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, REGARDING THIS MATERIAL'S COMPLIANCE WITH VOC STANDARDS/REQUIREMENTS APPLICABLE IN LOCATIONS/JURISDICTIONS WHERE THIS MATERIAL MAY BE SOLD OR USED.

Text for GHS Hazard Statements shown in Section 3 describing each ingredient:

H225 Highly flammable liquid and vapor.

GHS HAZARD STATEMENTS

Flammable Liquid, category 4

Aspiration Hazard, category 1

Skin Irritation, category 2

STOT, single exposure, category 3, NE

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P233 Keep container tightly closed.

P240 Ground/bond container and receiving equipment.

P241 Use explosion-proof electrical/ventilating/lighting/equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust/fume/gas/mist/vapors/spray.

P264 Wash thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician

P302 +P352 IF ON SKIN: Wash with plenty of water.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 IF INHALED: remove person to fresh air and keep comfortable for breathing.

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P312	Call a POISON CENTER/doctor/physician if you feel unwell.
P321	Specific treatment (see first aid on this label)
P331	Do NOT induce vomiting
P332+P313	If skin irritation occurs: Get medical advice/attention.
P362+P364	Take off contaminated clothing and wash it before reuse.
P370+P378	In case of fire: Use appropriate method to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national/international regulations.

Icons for GHS Pictograms shown in Section 3 describing each ingredient:

GHS02



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined, N.I. - No Information

The information on this SDS was obtained from sources which we believe to be reliable. However, the information provided is without any warranty, expressed or implied, regarding its correctness. Some information presented and conclusions drawn herein are from sources other than direct test data on the product itself. The information and recommendations are offered for the user's consideration and examination and should be used to make an independent determination of the methods to safeguard workers and the environment. The conditions or methods of handling, storage, use and disposal of the product are beyond our control and may be beyond our knowledge. For these reasons we do not assume responsibility and expressly disclaim any liability for loss, damage, or expense arising out of or in any way connected with handling, storage, use, or disposal of this product. If the product is used as a component in another product, this SDS may not be applicable. It is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.