



MATERIAL SAFETY DATA SHEET

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

COMPANY INFORMATION:

GREEN LAND ADHESIVE MATERIALS MANUFACTURING L.L.C
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PRODUCT INFORMATION:

PRODUCT NUMBER : GL 30-36
PRODUCT NAME : GEE COAT 30-36
PRODUCT DESCRIPTION : CANVAS CLOATH COATING

COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS #	PERCENT	OSHA PEL
Calcium chloride – 625 Mesh (Chock powder)	471-34-1	50%	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 15 MG/M3
Kaolin clay (White)	1332-58-7	15%	TWA (Respirable dust) 5 MG/M3 TWA (Total dust) 10 MG/M3
Acrylic Polymer S/A	025586-20-3	15%	TWA 50 PPM STEL 100 PPM
Titanium dioxide (TR92)	13463-67-7	15%	TWA (Total dust) 10 MG/M3
Acticide DF35 (Anti-fungal)	64-17-5	5%	TWA 1000 PPM

Safe long life manufacturing to 1 year

HAZARDS IDENTIFICATION

HMIS RATING:

HEALTH -- 0 FLAMMABILITY -- 0 REACTIVITY -- 0

See EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

POTENTIAL HEALTH EFFECTS BY ROUTE OF ENTRY:

EYE : Can cause minor irritation, tearing and reddening.
SKIN : Can cause minor skin irritation, defatting, and dermatitis

INHALATION:

Can cause minor respiratory irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.

Inhalation of high concentrations may result in central nervous system (CNS) effects such as dizziness, weakness, fatigue, nausea, headache, and lack of coordination.

Ingestion: Ingestion is not an anticipated route of exposure. No hazard in normal industrial use.



LONG-TERM (CHRONIC) HEALTH EFFECTS:

TARGET ORGAN(S): Lungs Blood Liver Central nervous system

EXISTING HEALTH CONDITIONS AFFECTED BY EXPOSURE:

Lung disease; Blood disorders (like anemia); Liver disease

FIRST AID MEASURES

IF IN EYES:

Use an eye wash to remove a chemical from your eye regardless of the level of hazard. Flush the affected eye for at least twenty minutes. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Seek medical advice after flushing.

IF ON SKIN:

Wash with soap and water. Get medical attention if irritation develops or persists.

IF VAPORS INHALED:

Remove to fresh air. Call a physician if symptoms persist.

IF SWALLOWED:

Do not induce vomiting. Seek medical attention if symptoms develop. Provide medical care provider with this MSDS. Induced vomiting may lead to aspiration of the material into the lungs potentially causing chemical pneumonitis that may be fatal.

FIRE FIGHTING MEASURES

AUTOIGNITION TEMPERATURE	:	Not established
LOWER EXPLOSIVE LIMIT (% in air)	:	Not established
UPPER EXPLOSIVE LIMIT (% in air)	:	Not established
EXTINGUISHING MEDIA	:	Use water spray, foam, dry carbon dioxide.
UNUSUAL FIRE AND EXPLOSION HAZARDS	:	There is a possibility of pressure buildup in closed containers when heated. Water spray maybe used to cool the containers.
SPECIAL FIRE FIGHTING INSTRUCTIONS	:	Persons exposed to products of combustion should wear self-contained breathing apparatus and full protective equipment.
HAZARDOUS COMBUSTION PRODUCTS	:	Carbon dioxide, Carbon monoxide Chlorine containing gases



ACCIDENTAL RELEASE MEASURES

- SPECIAL PROTECTION:** No adverse health effects expected from the clean-up of spilled material.
Follow personal protective equipment recommendations found in section 8 of this MSDS.
- CLEAN-UP** : Dike if necessary, contain spill with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

HANDLING AND STORAGE

- HANDLING** : No special handling instructions due to toxicity.
- STORAGE** : Store in a cool, dry place. Consult the Technical Data Sheet for specific storage instructions.

EXPOSURE CONTROLS/PERSONAL PROTECTION

- EYE PROTECTION** : Wear safety glasses when handling this product.
- SKIN PROTECTION** : Avoid skin contact by wearing chemically resistant gloves.
- GLOVES** : Not normally required. Use nitrile gloves if conditions warrant.
- RESPIRATORY PROTECTION** : Respiratory protection may be required to avoid overexposure when handling this product. Use a respirator if general room ventilation is not available or sufficient to eliminate symptoms. Respirators should be selected by and used following requirements found in OSHA's respirator standard (29 CFR 1910.134).
- VENTILATION** : Use local exhaust ventilation or other engineering controls to minimize exposures.

EXPOSURE LIMITS:

Chemical Name	ACGIH EXPOSURE LIMITS	AIHA WEEL
Calcium carbonate	TWA 10 MG/M3	Not established
Kaolin clay	TWA (Respirable dust) 2 MG/M3	Not established
Titanium dioxide	TWA (Total dust) 10 MG/M3	Not established
Ethyl alcohol	TWA 1000 ppm	Not established



PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE	:	Liquid
COLOR	:	White
ODOR	:	Mild Solvent
ODOR THRESHOLD	:	Not established
WEIGHT PER GALLON (lbs.)	:	10.7
SPECIFIC GRAVITY	:	1.28
SOLIDS (% by weight)	:	50.0
Ph	:	Not established
BOILING POINT (deg. C)	:	Not established
FREEZING/MELTING POINT (deg. C)	:	Not established
VAPOR PRESSURE (mm Hg)	:	Not established
VAPOR DENSITY	:	Not established
EVAPORATION RATE	:	Not established
OCTANOL/WATER COEFFICIENT	:	Not established

STABILITY AND REACTIVITY

STABILITY	:	Stable under normal conditions.
CHEMICAL INCOMPATIBILITY	:	Strong oxidizing agents
HAZARDOUS POLYMERIZATION	:	Will not occur.
HAZARDOUS DECOMPOSITION PRODUCTS	:	Carbon monoxide, carbon dioxide Chlorine containing Gases

TOXICOLOGICAL INFORMATION

CHEMICAL NAME	LD50/LC50
Calcium carbonate	Oral LD50 Rat = 6450 mg/kg
Kaolin clay	Not established
Titanium dioxide	Not established
Ethyl alcohol	Oral LD50 Rat = 7060 mg/kg Inhalation LC50 Rat =20000 ppm (No duration specified)

TOXICOLOGY SUMMARY	:	No additional health information available.
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ECOLOGICAL INFORMATION

OVERVIEW : No ecological information available

DISPOSAL CONSIDERATION

Solidify and dispose of in an approved landfill. Consult state, local or provincial authorities for more restrictive requirements.

TRANSPORTATION INFORMATION

Consult Bill of Lading for transportation information.

DOT: NOT REGULATED

IATA: NOT REGULATED

REGULATORY INFORMATION

FEDERAL REPORTING EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 72. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

Chemical Name	CAS #	%
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ADDITIONAL INFORMATION

The information and recommendations set forth herein are believed to be accurate. Because some of the information is derived from information provided to **GREEN LAND MATERIALS MANUFACTURING LLC** from its suppliers, and because **GREEN LAND MATERIALS MANUFACTURING LLC** has no control over the conditions of handling and use, **GREEN LAND MATERIALS MANUFACTURING LLC** makes no warranty, expressed or implied, regarding the accuracy of the data or the results to be obtained from the use thereof. The information is supplied solely for your information and consideration, and **GREEN LAND MATERIALS MANUFACTURING LLC** assumes no responsibility for use or reliance thereon. It is the responsibility of the user of **GREEN LAND MATERIALS MANUFACTURING LLC** products to comply with all applicable federal, state and local laws and regulations.