

Safety Data Sheet



1. Identification

Product Information: 23-F709
Product Name: HEMATITE GRAY UNIVERSAL PRIMER
Supplied by: Davis Frost, Inc.
 3416 Candler's Mountain Road
 Lynchburg, VA 24502
 434-846-5277
Emergency Telephone: 800-424-9300

2. Hazards Identification

EMERGENCY OVERVIEW: FLAMMABLE liquid and vapor.

GHS Classification

Acute Tox. 3 Inhalation, Carc. 1A, Eye Irrit. 2, Flam. Liq. 2, Lact. Effect, Muta. 1A, Repr. 2, Skin Irrit. 2, Skin Sens. 1, STOT RE 1, STOT SE 3 NE

Symbol(s) of Product



Signal Word

Danger

Possible Hazards

50% of the mixture consists of ingredients of unknown acute toxicity

GHS HAZARD STATEMENTS

Flammable Liquid, category 2	H225	Highly flammable liquid and vapour.
Acute Toxicity, Oral, category 4	H302	Harmful if swallowed.
Skin Irritation, category 2	H315	Causes skin irritation.
Skin Sensitizer, category 1	H317	May cause an allergic skin reaction.
Eye Irritation, category 2	H319	Causes serious eye irritation.
Acute Toxicity, Inhalation, category 3	H331	Toxic if inhaled.
STOT, single exposure, category 3, NE	H336	May cause drowsiness or dizziness.
Germ Cell Mutagenicity, category 1A	H340	May cause genetic defects. Classified as mutagenic Category 1 if one ingredient is present at or above 0.1% Applies to liquids, Solids (w/w units) and gases (v/v). The substance may also have its own exposure limit. Routes of exposure are dependant on ingredient form.
Carcinogenicity, category 1A	H350	May cause cancer. Classified as carcinogenic Category 1 on the basis of epidemiological and/or animal data. Mixtures are classified as carcinogenic when at least 1 ingredient has been classified as carcinogenic and is present at 0.1% or above. Routes of exposure are dependant on ingredient form. May cause cancer <state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard>.
Reproductive Toxicity, category 2	H361	Suspected of damaging fertility or the unborn child. Classified Category 2 suspected human reproductive toxicant irreversible effects such as structural malfunctions, embryo/foetal lethality, post natal functional deficiencies.
Effects on or via lactation	H362	May cause harm to breast-fed children.
STOT, repeated exposure, category 1	H372	Causes damage to organs through prolonged or repeated exposure.

GHS LABEL PRECAUTIONARY STATEMENTS

P201	Obtain special instructions before use.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260	Do not breathe dust/fume/gas/mist/vapours/spray.
P263	Avoid contact during pregnancy/while nursing.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P281	Use personal protective equipment as required.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313	IF exposed or concerned: Get medical advice/attention.
P311	Call a POISON CENTER or doctor/physician.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P337+P313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing.
P403+P233	Store in a well-ventilated place. Keep container tightly closed.

GHS SDS PRECAUTIONARY STATEMENTS

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.
P270	Do no eat, drink or smoke when using this product.
P363	Wash contaminated clothing before reuse.

3. Composition/Information on Ingredients

<u>Chemical Name</u>	<u>CAS-No.</u>	<u>Wt. %</u>	<u>GHS Symbols</u>	<u>GHS Statements</u>
CRYSTALLINE SILICA	14808-60-7	10-25	GHS08	H350-372
CALCIUM CARBONATE	1317-65-3	10-25	GHS08	H372
ALKYD RESIN SOLUTION		10-25	GHS07-GHS08	H312-332-340-351-362
ALIPHATIC NAPHTHA	64742-89-8	10-25	GHS06-GHS08	H304-315-319-331-336-361-373
ZINC PHOSPHATE	7779-90-0	2.5-10	GHS07	H317-320
METHYL PROPYL KETONE	107-87-9	2.5-10	GHS07-GHS08	H302-315-320-332-350
MINERAL SPIRITS	8052-41-3	2.5-10	GHS07-GHS08	H304-315-336-373
METHYL N-AMYL KETONE	110-43-0	2.5-10	GHS07	H302-332-335-336
ORGANOPHILIC CLAY	68953-58-2	0.1-1.0	GHS08	H350-372

The text for GHS Hazard Statements shown above (if any) is given in the "Other information" Section.

4. First-aid Measures

FIRST AID - INHALATION: Keep person warm. Remove contaminated clothing and shoes. SEEK MEDICAL ATTENTION. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. Oxygen or artificial respiration if needed. Remove person to fresh air. If signs/symptoms continue, get medical attention.

FIRST AID - SKIN CONTACT: In case of contact, immediately flush skin with plenty of water while removing contaminated clothing and shoes.

FIRST AID - EYE CONTACT: FLUSH WITH COPIOUS AMOUNTS OF WATER FOR 15 MINUTES. IF IRRITATION PERSISTS, CONSULT A PHYSICIAN.

FIRST AID - INGESTION: If ingested, do not induce vomiting. Immediately give two glasses of water or activated charcoal slurry. Never give anything by mouth to an unconscious person. Call a physician.

5. Fire-fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, sparks and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: USE WATER SPRAY TO KEEP CONTAINERS COOL. CLOSED CONTAINERS MAY

RUPTURE DUE TO PRESSURE BUILD-UP WHEN EXPOSED TO EXTREME HEAT.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam

6. Accidental Release Measures

ENVIRONMENTAL PRECAUTIONS: Contain any spills immediately and dike area to prevent spreading. Package material and dispose of as hazardous waste.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID CONTACT WITH SKIN AND EYES. ENSURE ADEQUATE VENTILATION. REMOVE ANY IGNITION SOURCES, WEAR SCBA AND SUITABLE PPE FOR CLEAN-UP. DO NOT ALLOW THE PRODUCT TO ENTER SEWAGE SYSTEMS, WATER BODIES, GROUND/SOIL. REMOVE ANY POTENTIAL SOURCES OF IGNITION. ABSORB SPILLED MATERIAL WITH SAND, SAWDUST, UNIVERSAL BINDER AGENT. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE WASTE REGULATIONS.

7. Handling and Storage



HANDLING: CONTAINERS, EVEN EMPTY, CAN CONTAIN VAPORS. DO NOT CUT, DRILL, WELD. NO SMOKING, OPEN FLAMES OR SOURCES OF IGNITION IN HANDLING & STORAGE AREAS. NEVER USE AIR PRESSURE FOR TRANSFERRING PRODUCT. ELECTRICALLY GROUND ALL EQUIPMENT. DO NOT LEAVE CONTAINERS OPEN. AVOID REPEATED OR PROLONGED CONTACT WITH SKIN. EMPTY CONTAINERS RETAIN PRODUCT RESIDUE, OBSERVE ALL SAFETY PRECAUTIONS. DO NOT REUSE CONTAINER.

STORAGE: KEEP IN COOL, DRY VENTILATED STORAGE AND IN CLOSED CONTAINERS. KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS. STORE AWAY FROM IGNITION SOURCES. GROUND ALL CONTAINERS DURING TRANSFER. KEEP AWAY FROM OXIDIZERS.

8. Exposure Controls/Personal Protection

Ingredients with Occupational Exposure Limits

Chemical Name	ACGIH TLV-TWA	ACGIH-TLV STEL	OSHA PEL-TWA	OSHA PEL-CEILING
CALCIUM CARBONATE	N.E.	N.E.	N.E.	N.E.
CRYSTALLINE SILICA	0.1MG/M3	NO INFO	N.E.	N.E.
ALKYD RESIN SOLUTION	N.E.	N.E.	N.E.	N.E.
ALIPHATIC NAPHTHA	300 PPM	400 PPM	N.E.	N.E.
ZINC PHOSPHATE	N.E.	N.E.	N.E.	N.E.
METHYL PROPYL KETONE	200 PPM	250 PPM	N.E.	N.E.
MINERAL SPIRITS	100 PPM	NO INFO	N.E.	N.E.
METHYL N-AMYL KETONE	50 PPM	NO INFO	N.E.	N.E.
ORGANOPHILIC CLAY	N.E.	N.E.	N.E.	N.E.

Further Advice: MEL = Maximum Exposure Limit OES = Occupational Exposure Standard SUP = Supplier's Recommendation
Sk = Skin Sensitizer N.E. = Not Established

Personal Protection



RESPIRATORY PROTECTION: When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. USE ONLY WITH VENTILATION TO KEEP LEVELS BELOW EXPOSURE GUIDELINES. USER SHOULD TEST AND MONITOR EXPOSURE LEVELS TO INSURE UNDER EXPOSURE LIMITS.



SKIN PROTECTION: Wear neoprene gloves. Barrier creams may help to protect the exposed areas of skin, they should however not be applied once exposure has occurred.



EYE PROTECTION: WEAR SAFETY GLASSES WITH SIDE SHIELDS OR CHEMICAL GOGGLES TO AVOID EYE CONTACT.



OTHER PROTECTIVE EQUIPMENT: Use personal protective equipment as necessary. Safety shower and eyewash station should be located in immediate work area.



HYGIENIC PRACTICES: Wash hands before breaks and immediately after handling the product.

9. Physical and Chemical Properties

Appearance:	Gray	Physical State:	Liquid
Odor:	Pungent	Solubility in Water:	None
Density, lb/gal:	11.415		
Boiling Range, °C:	102 - 151 (216 - 304 °F)	Explosive Limits, %:	0.9 - 7.9
Combustibility:	Does not Support Combustion	Flash Point, °C:	10 (50 °F)
Evaporation Rate:	Slower than Diethyl Ether	Vapor Density:	Heavier than air
% Volatile Volume:	51.11	% Volatile Weight:	28.86
% N.V. Volume:	48.89	% N.V. Weight:	71.14

(See "Other information" Section for abbreviation legend)

10. Stability and Reactivity

STABILITY: The product is chemically stable.

CONDITIONS TO AVOID: AVOID EXPOSURE TO HEAT, LIGHT, FLAME OR OTHER SOURCES OF IGNITION. AVOID CONTACT WITH STRONG OXIDIZERS.

INCOMPATIBILITY: Keep away from strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION PRODUCTS ARE TOXIC AND MAY INCLUDE CARBON DIOXIDE, CARBON MONOXIDE, AND IRRITATING GASES.

11. Toxicological Information



Practical Experiences

EFFECT OF OVEREXPOSURE - INHALATION: May effect the brain or nervous system causing dizziness, headache, nausea and possible unconsciousness. Inhalation may cause irritation to the respiratory tract (nose, mouth, mucous membranes).

EFFECT OF OVEREXPOSURE - SKIN CONTACT: LIQUID MAY CAUSE SLIGHT IRRITATION.

EFFECT OF OVEREXPOSURE - EYE CONTACT: EYE CONTACT MAY CAUSE SEVERE IRRITATION, REDNESS, SWELLING OR CORNEAL CLOUDING.

EFFECT OF OVEREXPOSURE - INGESTION: May cause severe gastrointestinal disturbance with headache, nausea, vomiting and diarrhea.

CARCINOGENICITY: This product contains chemicals classified by the (IARC) as carcinogens.

PRIMARY ROUTE(S) OF ENTRY: Ingestion, Inhalation, Skin Contact

Acute Toxicity Values

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

CAS-No.	Chemical Name	Oral LD50	Dermal LD50	Vapor LC50
14808-60-7	CRYSTALLINE SILICA	0.000	N.I.	N.I.
1317-65-3	CALCIUM CARBONATE	0.000	N.I.	N.I.
	ALKYD RESIN SOLUTION	0.000	N.I.	N.I.
64742-89-8	ALIPHATIC NAPHTHA	0.000	N.I.	N.I.
7779-90-0	ZINC PHOSPHATE	0.000	N.I.	N.I.

107-87-9	METHYL PROPYL KETONE	0.000	N.I.	N.I.
8052-41-3	MINERAL SPIRITS	0.000	N.I.	N.I.
110-43-0	METHYL N-AMYL KETONE	0.000	N.I.	N.I.
68953-58-2	ORGANOPHILIC CLAY	0.000	N.I.	N.I.

N.I. = No Information

12. Ecological Information

ECOLOGICAL INFORMATION: This material is no more than moderately toxic to flathead minnow, ramshorn snails, aquatic earthworms, sideswimmers, pill bugs and flatworms (96-hr LC50s>1.55mg/l), and daphnids (96-hr EC50>1.46 mg/l). This product contains materials harmful to fish. Protect against accessing surface waters, sewage systems and soil.

13. Disposal Information



Product

DISPOSAL METHOD: Use absorbant pads, papers or inert powders such as clay to soak up liquid spills. Dispose of material in accordance with applicable federal, state and local regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: AVOID CONTACT WITH SKIN AND EYES. ENSURE ADEQUATE VENTILATION. REMOVE ANY IGNITION SOURCES, WEAR SCBA AND SUITABLE PPE FOR CLEAN-UP. DO NOT ALLOW THE PRODUCT TO ENTER SEWAGE SYSTEMS, WATER BODIES, GROUND/SOIL. REMOVE ANY POTENTIAL SOURCES OF IGNITION. ABSORB SPILLED MATERIAL WITH SAND, SAWDUST, UNIVERSAL BINDER AGENT. DISPOSE OF IN ACCORDANCE WITH ALL APPLICABLE WASTE REGULATIONS.

14. Transport Information

SPECIAL TRANSPORT PRECAUTIONS: No Information

DOT Proper Shipping Name:	Paint	Packing Group:	II
DOT Technical Name:	Solvent Based Paint	DOT UN/NA Number:	UN1263
DOT Hazard Class:	3		

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, Acute Health 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.

GHS06



GHS07



GHS08



Legend: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined

The information on this sheet corresponds to our present knowledge. It is not a specification and it does not guarantee specific properties. The information is intended to provide general guidance as to health and safety based upon our knowledge of the handling, storage, and use of the product. It is not applicable to unusual or non-standard uses of the product where instructions and recommendations are not followed.