



GYSAR "F" TILE BRITE

Material Safety Data Sheet

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GYSAR "F" TILE BRITE
 Material Safety Data Sheet MSDS No. 308

COMPOSITION AND INFORMATION ON INGREDIENTS

This criteria for listing components in the composition section is as follows:
Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; non hazardous components are listed at 3.0% or greater. This is not intended to be complete compositional disclosure. Refer to section 14 for applicable states' right to know and other regulatory information.

Product and/or Component(s) Carcinogenic according to:

OSHA IARC NTP

This product is considered hazardous according to OSHA (1910.1200).

PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Pale Liquid	Vapor Pressure:	<1 mmHg at 20° (68° F)
Odor:	Slight Odor	VOC Content:	<1% by ASTM D 2369
pH:	7	Melting Point/ Freezing Point (°C):	5° C (41° F)
Vapor Density (Air=1):	>1	Boiling Point (°C):	Not Determined.
Solubility in Water (%):	>10	Specific Gravity (water=1):	1.06
Other:	None	Viscosity:	110 cSt at 37.7°C (100° F)

HAZARD IDENTIFICATION

Emergency Overview:	Appearance:	Pale Liquid
	Odor:	Slight Odor

WARNING STATEMENT: CAUTION - MAY CAUSE EYE IRRITATION

Hazardous Material Information System (United States)		National Fire Protection Association NFPA (United States)	
Health:	1	Health:	1
Fire:	0	Flammability:	0
Reactivity:	0	Reactivity:	0
Personal Protection:	-	Specific Danger:	-

POTENTIAL HEALTH EFFECTS	
Primary Routes of Exposure:	Skin Contact, Eye Contact, Inhalation, Ingestion

Effects of Overexposure:		
Acute:	Eyes:	May cause irritation, experienced as mild discomfort and seen as slight redness of the eye.
	Skin:	Brief contact may cause slight irritation. Prolonged contact, as with clothing wetted with material, may cause more severe irritation and discomfort, seen as local redness and swelling. Other than the potential skin irritation effects noted above, acute (short term) adverse effects are not expected from brief skin contact; see other effects, below, and Section 11 for information regarding potential long term effects.
	Inhalation:	Vapors or mist, in excess of permissible concentrations. Or in unusually high concentrations generated from spraying, heating the material or as from exposure in poorly ventilated areas or confined spaces, may cause irritation of the nose and throat, headache, nausea, and drowsiness.
	Ingestion:	May cause abdominal discomfort. Nausea, and diarrhea.
	Sensitization Properties:	Unknown
Chronic:	No adverse effects have been documented in humans as a result of chronic exposure. Section 11 may contain applicable data.	

Medical Conditions Aggravated by Exposure:	There is no evidence that this product aggravates an existing medical condition.
Other Remarks:	None.

FIRST AID MEASURES	
Eyes:	Immediately flush with plenty of water for at least 15 minutes. Hold eyelids apart while flushing to rinse entire surface of eyes and lids with water. Get medical attention.
Skin:	Wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists.
Ingestion:	If patient is conscious and can swallow, give two glasses of water (16 oz.). Induce vomiting as directed by medical personnel. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person.
Inhalation:	If irritation, headache, nausea, or drowsiness occurs, remove to fresh air. Get medical attention if breathing becomes difficult or respiratory irritation persists.
Other Instructions:	None

FIRE FIGHTING MEASURES	
Ignition Temperature – AIT (degrees C):	Not Applicable.
Flash Point (degrees C):	237.8 (460° F) (PMCC)
Flammable Limits % (Lower – Upper):	Lower: Not Determined. Upper: Not Determined.
Recommended Fire Extinguishing Agents and Special Procedures:	Use water spray, dry chemical, foam, or carbon dioxide to extinguish flames. Use water spray to cool fire - exposed containers. Water or foam may cause frothing.
Unusual or Explosive Hazards:	None
Special Protective Equipment for fire fighters:	Wear full protective clothing and positive pressure breathing apparatus.
Procedures in Case of Accidental Release, Breakage or Leakage:	Contain spill if possible, contain with absorbent material such as clay or soil, and shovel up. Avoid skin and eye contact.

HANDLING AND STORAGE		
Precautions to be Taken in:	Handling:	Minimum feasible handling temperatures should be maintained.
	Storage:	Periods of exposure to high temperatures should be minimized. Water contamination should be avoided.

EXPOSURE CONTROLS/PERSONAL PROTECTION	
Eye/Face Protection:	Safety glasses, chemical type goggles, or face shield recommended to prevent eye contact.
Skin Protection:	Workers should wash exposed skin several times daily with soap and water. Soiled work clothing should be laundered or dry-cleaned.
Respiratory Protection:	Airborne concentrations should be kept to lowest levels as possible. If vapor, mist or dust is generated and the occupational exposure limit of the product, or any component of the product, is exceeded, use appropriate NIOSH or MSHA approved air purifying or air supplied respirator after determining the airborne concentration of the contaminant. Air supplied respirators should always be worn when airborne concentration if the contaminant or oxygen content is unknown.
Ventilation:	Local exhaust ventilation recommended if generating vapor, dust, or mist. If exhaust ventilation is not available or inadequate, use MSHA or NIOSH approved respirator as appropriate.
Exposure Limit for the Total Product:	None established for product.

STABILITY AND REACTIVITY	
This Material Reacts Violently With:	None
Comments:	None
Products Evolved When Subjected to Heat or Combustion:	Toxic levels of carbon monoxide, carbon dioxide, irritating aldehydes, and ketones may be formed on burning. Heating on air may produce irritating aldehydes, acids, and ketones.
Hazardous Polymerizations:	DO NOT OCCUR.

TOXICOLOGICAL INFORMATION		
Toxicological Information (Animal Toxicity Data):	Oral:	LD50 3.31 g/kg (rat) slightly toxic.
	Inhalation:	Believed to be practically non-toxic.
	Dermal:	LD50 > 2.00 g/kg (rabbit) practically non-toxic.
Irritation Index, Estimation of Irritation (Species):	Skin:	(Draize) 1.04/8.0 (rabbit) slightly irritating.
	Eyes:	(Draize) 14.40/110 (rabbit) slightly irritating.
	Sensitization:	Not Determined.
	Other:	This product may contain residual (less than 20 ppm) concentrations of ethylene oxide. Ethylene oxide causes tumors in laboratory animals.

DISPOSAL CONSIDERATIONS	
Waste Disposal Methods:	This product has been evaluated for RCRA characteristics and does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous wastes. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials.
Remarks:	None

TRANSPORT INFORMATION		
Transportation DOT:	Proper Shipping Name:	Not regulated.
	Hazard Class:	Not regulated.
	Identification Number:	Not regulated.
	Packing Group:	Not regulated.
	Label Required:	Not regulated.
Depending on container size, spills of this product may require reporting under SARA 305 and/or CERCLA 102(A) regulations. Please refer to Sections 2 and 14 of MSDS for composition and component RQ information.		
IMDG: Proper Shipping Name:	Not evaluated.	
ICAO: Proper Shipping Name:	Not evaluated.	
TDG: Proper Shipping Name:	Not regulated.	
Hazard Class:	Not regulated.	
Identification Number:	Not regulated.	
Label Required:	Not regulated.	

REGULATORY INFORMATION				
Federal Regulations				
SARA Title 111: Section 302/304 Extremely Hazardous Substances				
Chemical Name	CAS Number	Range in %	TPQ	RQ
Residual ethylene oxide (typical)	75-21-8	0.001	1000	10

Section 311 Hazardous Categorization		
Acute		
Chemical Name	CAS Number	Concentration
Glycol ethers (fraction of product matching EPA definition)		1.00-2.99

Section 313 Toxic Chemical			
CERCLA 102(a)/DOT Hazardous Substances:			
Chemical Name	CAS Number	Concentration	RQ
Glycol ethers (fraction of product matching EPA definition)		1.00-2.99	1

States Right-to-Know Regulations:	
Chemical Name	States Right-to-Know
None	State list: CT (Connecticut), FL (Florida), IL (Illinois), MI (Michigan), LA (Louisiana), MA (Massachusetts), NJ (New Jersey), PA (Pennsylvania), RI (Rhode Island)

California Prop 65:	
The following detectible components of this business are substances, or belong to classes of substances, know to the state of California to cause cancer and/or reproductive toxicity.	
Chemical Name:	CAS Number
Residual ethylene oxide(typical):	75-21-8

ENVIRONMENTAL INFORMATION

Aquatic Toxicity:	LC50-96hr Aquatic toxicity rating is believed to be > 1.00 – 10.00 ppm moderately toxic.
Mobility:	Not determined.
Persistence and Biodegradability:	Not determined.
Potential to Bioaccumulate:	Not determined.
Remarks:	None

OTHER INFORMATION 2/12/97

Ethoxylated products may contain residual amounts of ethylene oxide (EO), which can accumulate in the container headspace and be released into the ambient environment. This process is enhanced when the product is agitated, as during tank car loading and unloading, and blending operations. Ethylene oxide causes tumors in laboratory animals. The Occupational Safety and Health administration (OSHA) Permissible Exposure Level (PEL) for EO is 1 ppm for an eight-hour time weighted average exposure. The standard regulates occupational exposure to EO from all sources, including products containing residual EO. It is the responsibility of the employer to comply with OSHA ethylene oxide standard (29 CFR 1910.1047).

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