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VARNISH - GE 7031  
9370  
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MATERIAL SAFETY DATA SHEET

GENERAL ELECTRIC

PAGE:  
7031

AUDIOSEARS CORP.

MANUFACTURED BY:  
GENERAL ELECTRIC COMPANY  
INSULATING MATERIALS  
1 CAMPBELL ROAD  
SCHENECTADY, NEW YORK 12345

EMERGENCY TELEPHONE:  
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REVISED: 10/21/85  
PREPARER: A L DRAKE



\*\*\*\*\* I PRODUCT IDENTIFICATION \*\*\*\*\*

PRODUCT IDENTIFICATION 7031 CHEMICAL FAMILY: PHENOLIC BUTVAR RESIN  
CHEMICAL NAME: PHENOLIC BUTVAR RESIN FORMULA: MIXTURE

\*\*\*\*\* II PRODUCT COMPONENTS \*\*\*\*\*

PRODUCT COMPOSITION	APPROX. %	ACGIH TLV	OSHA PEL	UNITS	CAS REG NO.
A. HAZARDOUS					
95% ISOPROPANOL	< 40%	400	400	PPM	67-63-0*
XYLENE	< 20%	100	100	PPM	1330-20-7*
ACETONE	< 20%	750	1000	PPM	67-64-1
DENATURED ETHYL ALCOHOL(95%)	< 20%	1000	1000	PPM	64-17-5*
B. NON-HAZARDOUS					

\*\*\*\*\* III PHYSICAL DATA \*\*\*\*\*

\*\*PRODUCT INFORMATION

BOILING POINT NF ( F) NF ( C)	PHYSICAL STATE	LIQUID
FREEZING POINT NF ( F) NF ( C)	ODOR	AROMATIC
MELTING POINT NF ( F) NF ( C)	COLOR	AMBER
VAPOR PRESSURE (20 C) NF MM HG	PH	NF
VAPOR DENSITY (AIR=1) NF	ACIDITY/	
% VOLATILE BY VOLUME 19	ALKALINITY	NF MEG/G
	DENSITY	NF MG/M3
	SPECIFIC GRAVITY 0.88 (WATER=1)	
	EVAPORATION RATE <1 (BUTYL ACETATE=1)	

SOLUBILITY IN WATER (20 C) APPRECIABLE  
SOLUBILITY IN ORGANIC SOLVENT NF  
(STATE SOLVENT):

95% ISOPROPANOL

BOILING POINT 176 ( F) 80 ( C)  
VAPOR PRESSURE (20 C) 33 MM HG  
VAPOR DENSITY (AIR=1) 205

XYLENE

BOILING POINT 280 ( F) 138 ( C)  
VAPOR PRESSURE (20 C) 6 MM HG  
VAPOR DENSITY (AIR=1) 3.7

ACETONE

BOILING POINT 133 ( F) 57 ( C)  
VAPOR PRESSURE (20 C) 186 MM HG  
VAPOR DENSITY (AIR=1) 2.0

DENATURED ETHYL ALCOHOL(95%)

BOILING POINT 173 ( F) 79 ( C)  
VAPOR PRESSURE (20 C) 43 MM HG  
VAPOR DENSITY (AIR=1) 1.4

\*\*\*\*\* IV FIRE AND EXPLOSION DATA \*\*\*\*\*

FLASH POINT 24 ( F) -4 ( C) BY PMCC IGNITION TEMP NF ( F)NF ( C)  
FLAMMABLE LIMITS IN AIR(%): LOWER 1.0 UPPER 19.0

EXTINGUISHING MEDIA:

ALCOHOL FOAM  
CARBON DIOXIDE  
DRY CHEMICAL

SPECIAL FIREFIGHTING PROCEDURES:

VAPORS MAY FORM EXPLOSIVE MIXTURE WITH AIR.  
EXTREMELY FLAMMABLE.  
POSITIVE PRESSURE, SELF-CONTAINED BREATHING APPARATUS  
EVACUATE AREA AND FIGHT FIRE FROM A SAFE DISTANCE.  
CONTAINERS CAN BUILD UP PRESSURE IF EXPOSED TO HEAT (FIRE).

\*\*\*\*\* V REACTIVITY DATA \*\*\*\*\*

STABILITY:

X STABLE UNSTABLE

HAZARDOUS:

POLYMERIZATION WILL NOT OCCUR

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE.  
CARBON DIOXIDE.  
TOXIC FUMES.  
KETONES.  
XYLENE FUMES.

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID CONTACT WITH ACIDIC,BASIC OR OXIDIZING AGENTS.

CONDITIONS TO AVOID:

KEEP AWAY FROM HEAT,SPARKS AND OPEN FLAME.

\*\*\*\*\* VI HEALTH HAZARD DATA \*\*\*\*\*

ACUTE SIGNS/EFFECTS OF OVEREXPOSURE:

INGESTION:

HARMFUL IF SWALLOWED.  
CAUSES VOMITING,NAUSEA,AND DIARRHEA  
MAY CAUSE SEVERE DAMAGE OF GASTROINTESTINAL TRACT.  
ASPIRATION CAN BE A HAZARD IF THIS MATERIAL IS SWALLOWED.  
MAY CAUSE PULMONARY EDEMA.

SKIN CONTACT:

CAUSES MODERATE SKIN IRRITATION.  
WILL CAUSE SKIN DEFATTING.  
CAN DRY SKIN.



INHALATION:

EXCESSIVE INHALATION CAUSES HEADACHE, DIZZINESS, NAUSEA AND INCOORDINATION.  
CAUSES IRRITATION OF THE MOUTH, NOSE, AND THROAT.  
IRRITATES MUCOUS MEMBRANES.

EYE CONTACT:

CAUSES SEVERE EYE IRRITATION MAY DAMAGE TISSUE.  
EYE CONTACT MAY CAUSE BLINDNESS.

MEDICAL CONDITIONS AGGRAVATED:

RESPIRATORY  
PULMONARY DISORDERS.  
LIVER, KIDNEY  
DERMAL AILMENTS.  
CENTRAL NERVOUS SYSTEM DISORDERS.  
GASTROINTESTINAL DISORDERS.  
EYE AILMENTS.

OTHER:

NONE KNOWN.

CHRONIC EFFECTS OF OVEREXPOSURE:

DERMATITIS.  
RESPIRATORY AILMENTS.  
CENTRAL NERVOUS SYSTEM DAMAGE.  
LIVER AND KIDNEY DAMAGE.  
CORNEAL DAMAGE.  
PULMONARY EDEMA.  
THIS PRODUCT CONTAINS A COMPONENT THAT IS A SUSPECTED MUTAGEN.  
THIS PRODUCT CONTAINS A COMPONENT THAT IS A SUSPECTED  
TERATOGEN.  
EYE DAMAGE.

EMERGENCY AND FIRST AID PROCEDURES:

INGESTION:

IF SWALLOWED DO NOT INDUCE VOMITING, GIVE LARGE QUANTITIES OF WATER TO DRINK AND GET MEDICAL ATTENTION, NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.

SKIN:

REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE REUSE.  
WASH WITH SOAP AND WATER.  
GET MEDICAL ATTENTION IF IRRITATION PERSISTS.

INHALATION:

IF INHALED, REMOVE TO FRESH AIR, IF NOT BREATHING GIVE ARTIFICIAL RESPIRATION, PREFERABLY MOUTH-TO MOUTH. IF BREATHING IS DIFFICULT GIVE OXYGEN. GET MEDICAL ATTENTION.

EYES:

IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES AND GET MEDICAL ATTENTION.

NOTE TO PHYSICIAN:

MONITOR FOR 24 HRS.  
ASPIRATION MAY CAUSE SEVERE LUNG DAMAGE. EVACUATE STOMACH IN A WAY WHICH AVOIDS ASPIRATION.

TOXICITY: 95% ISOPROPANOL  
ACUTE ORAL LD50 5840 RAT MG/KG  
ACUTE DERMAL LD50 13000RBT MG/KG  
ACUTE INHALATION LC50 16000PPM/8H RAT  
OTHER EYE AND SKIN IRRITANT.  
AMES TEST: UNKNOWN

TOXICITY: XYLENE  
ACUTE ORAL LD50 4300 RAT MG/KG  
ACUTE DERMAL LD50 NF MG/KG  
ACUTE INHALATION LC50 5000PPM/4H RAT  
OTHER EYE AND SKIN IRRITANT.  
AMES TEST: UNKNOWN

TOXICITY: ACETONE  
ACUTE ORAL LD50 9750 RAT MG/KG  
ACUTE DERMAL LD50 20000 RBT MG/KG  
ACUTE INHALATION LC50 NF  
OTHER SEVERE EYE IRRITATION (RBT).  
AMES TEST: UNKNOWN

TOXICITY: DENATURED ETHYL ALCOHOL(95%)  
ACUTE ORAL LD50 7060 RAT MG/KG  
ACUTE DERMAL LD50 20000 RBT MG/KG  
UTE INHALATION LC50 20000PPM/10H RAT  
OTHER EYE AND SKIN IRRITANT.  
AMES TEST: UNKNOWN  
PRINCIPAL ROUTES OF EXPOSURE:

ORAL.  
DERMAL - SKIN.  
EYES.  
INHALATION.  
ABSORPTION THROUGH SKIN.

PRODUCTS/INGREDIENTS:  
NONE KNOWN.

\*\*\*\*\* VII SPECIAL PROTECTIVE EQUIPMENT \*\*\*\*\*

RESPIRATORY PROTECTION:  
USE IN A WELL VENTILATED AREA.  
USE APPROVED NIOSH RESPIRATORY PROTECTION IF TLV EXCEEDED.....  
OR OVER EXPOSURE IS LIKELY.  
CARTRIDGE RESPIRATOR.

PROTECTIVE GLOVES:

RUBBER GLOVES.

EYE AND FACE PROTECTION:

MONOGOGGLES.

FACE SHIELD.

OTHER PROTECTIVE EQUIPMENT:

RUBBER APRON.

WEAR EYE PROTECTION AND PROTECTIVE CLOTHING.

NTILATION:



USE ONLY IN WELL VENTILATED AREA.  
MECHANICAL VENTILATION.

\*\*\* VIII SPILL, LEAK AND DISPOSAL PROCEDURES \*\*\*

ACTION TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

WIPE, SCRAPE OR SOAK UP IN AN INERT MATERIAL AND PUT IN A  
CONTAINER FOR DISPOSAL.  
WASH WALKING SURFACES WITH DETERGENT AND WATER TO REDUCE SLIP-  
PING HAZARD.  
WEAR PROPER PROTECTIVE EQUIPMENT AS SPECIFIED IN THE PROTECTIVE  
EQUIPMENT SECTION.  
REMOVE SOURCES OF IGNITION.  
WARN OTHER WORKERS OF SPILL.  
INCREASE AREA VENTILATION.

DISPOSAL METHOD:

DISPOSAL SHOULD BE MADE IN ACCORDANCE WITH FEDERAL, STATE AND  
LOCAL REGULATIONS.

\*\*\*\*\* IX SPECIAL PRECAUTIONS \*\*\*\*\*

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

USE GROUND STRAP.  
STORE UPRIGHT IN A COOL PLACE BELOW 30°C (85°F).  
AVOID CONTACT WITH SKIN AND EYES.  
USE ONLY IN A WELL VENTILATED AREA.  
DANGER! EXTREMELY FLAMMABLE.  
KEEP CONTAINER CLOSED WHEN NOT IN USE TO PREVENT CONTACT WITH  
ACIDIC, BASIC OR OXIDIZING MATERIALS.  
KEEP AWAY FROM FOOD AND SMOKING MATERIALS.  
WASH HANDS BEFORE EATING AND SMOKING.

ENGINEERING CONTROLS:

EXHAUST VENTILATION  
SHOWERS.  
EYEWASH STATIONS.  
USE IN A WELL VENTILATED AREA.

\*\* X SHIPPING AND REGULATORY CLASSIFICATION DATA \*\*

DOT SHIPPING NAME:	CEMENT NOS	UN/NA NUMBER:	NA1133
DOT HAZARD CLASS:	FLAMMABLE LIQUID		
DOT LABEL(S):	FLAMMABLE		
EPA HAZARD WASTE:	D001		
OSHA HAZARD CLASS:	IRRITATION		
CPSC CLASSIFICATION:	----		
TRANSPORTATION CLASS:	IMO 3.2PG3064, UN1133		
	RID (OCTI) ----		
	ADR (ECE) ----		
	RAR (IATA) 3, II		
NFPA/HMIS CLASSIFICATION:	FLAMMABILITY 3 , REACTIVITY 0 , HEALTH 2		
ADDITIONAL INFORMATION:	THIS PRODUCT OR ITS COMPONENTS ARE ON THE EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICALS (EINECS).		

THESE DATA ARE OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. NO WARRANTY, EITHER EXPRESSED OR IMPLIED, IS MADE. THE RECOMMENDED HANDLING PROCEDURES ARE BELIEVED TO BE GENERALLY APPLICABLE. HOWEVER, EACH USER SHOULD REVIEW THESE RECOMMENDATIONS IN THE SPECIFIC CONTENT OF THE INTENDED USE.