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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards

SDS Revision: 2.0

SDS Revision Date: 2/2/2015

		1	PRODUC [*]	T & COM	PANY	IDE	NTIF	ICV.	TION					
1.1	Product Name:	1	ABS™ HE							04).	4 oz.			
1.2	Chemical Name:	Agueous Solution												
1.3	Synonyms:	NA NA												
1.4	Trade Names:	Goby Labs™ Headphone Cleaner; PN GLH-104 (4 oz)												
1.5	Product Uses & Restrictions:	Cleaner for he	eadphones and	earbuds	,									
1.6	Distributor's Name:	CAIG Labora												
1.7	Distributor's Address:	12200 Thatch	er Court, Powa	y, CA 92064-6	876 USA									
1.8	Emergency Phone:	CHEMTRE	C: +1 (703)	527-3887 /	+1 (800) 424	-9300	0 (CC	N XXXX	X)				
1.9	Business Phone / Fax:	+1 (800) 224-		02. 000. /	(555	,		3 (00		· · · /				
			2 HΔ	ZARDS I	DENT	IFIC	ΔΤΙ)N						
2.1	2.1 Hazard Identification: This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia). WARNING! MAY CAUSE AN ALLEGIC SKIN REACTION. CAUSES EYE IRRITATION. Classification: Skin Irrit. 1; Eye Irrit 2; Hazard Statements (H): H317 – May cause an allergic skin reaction. H220 – Causes eye irritation. Precautionary Statements (P): P264 – Wash thoroughly after handling. P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P333 + P313 – If skin irritation or rash occurs: Get medical advice/attention. P337+P313 – If eye irritation persists: Get medical advice/attention.					>								
			OMPOSITI									•		
<u> </u>		<u> </u>	718100111 -	UN & INC	ועםאכ	LIN I	шИГ	UKI	EXPOSURE		N AID (m ³ \		
						ACC	SIH	l 1	NOHSC	LIMITS	OSHA	m-)		
						pp			ppm	1	ppm			
								ES-	ES- ES-					
CHEMI	CAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	TWA	STEL PEAR	_		IDLH	OTHER	
WATE	:R	7732-18-5	ZC0110000	231-791-2	60-100	NA	NA	NF	NF NF	NA	NA	NA		
ALKYI	L POLYGLUCOSIDE	68515-73-1	NA	NA	1-5	NA	NA	NF	NF NF	NA	NA	NA		
		64-17-5	KQ6300000	200-578-6	0.1-1	1000	1900	1880	NF NF	1000	1900 3	3300		
ETHA	NOL	Flam. Liq. 2; I	H225											
ED 4 0	DANCE	NA	NA	NA	0.1-1	NA	NA	NF	NF NF	NA	NA	NA		
FRAG	RANCE													
			1	FIRST AI	D ME	SIIE	0 = 0							
	I e	Lange									delete e la			
4.1	First Aid:	Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes lifting upper and lower lids, occasionally. Skin: Wash thoroughly with soap and water. In case of contact, immediately flush skin with plenty of water for at												
		Inhalation:	Remove victim artificial respira	to fresh air at							If breath	ing sto	ps give	
4.2	Effects of Exposure:	Ingestion:	If product is sw	allowed, may	cause nau	ısea, v	omitin	g and/c	r diarrhea.					
		Eyes:	Moderately irrit	tating to the e	yes. Sym	ptoms	of ov	erexpo	sure may i	nclude	redness	, itchin	g, irritation	and
		Skin: Inhalation:	Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals.											
4.3	Symptoms of Overexposure:		None expected Nausea, intesti		vomiting	and/or	diarrh	102						
7.5	Symptomo of Overexposure.	Ingestion:			_				erina					
	Eyes: Overexposure in eyes may cause redness, itching and watering. Skin: Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product			duct										
4.4	Acute Health Effects:	can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some individuals. Non-irritating when used as directed. Moderate irritation to eyes and skin near affected areas. Additionally, high concentrations of vapors can cause drowsiness, dizziness, headaches and nausea.												
4.5	Chronic Health Effects:										in some	sensi	tive individ	uals.
	Non-irritating when used as directed. Overexposure may trigger asthma-like symptoms in some sensitive individuals. May also induce skin sensitization and respiratory hypersensitivity. Possible allergic dermatitis.													



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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, 2001/58 & 1272/2008/EC Standards SDS Revision Date: 2/2/2015 4. FIRST AID MEASURES 4.6 Target Organs: Eyes, 4.7 Medical Conditions **HEALTH** Pre-existing dermatitis, other skin conditions, and disorders of the Aggravated by Exposure: target organs (eyes). **FLAMMABILITY** 1 PHYSICAL HAZARDS 0 PROTECTIVE EQUIPMENT Α **EYES** 5. FIREFIGHTING MEASURES 5.1 Fire & Explosion Hazards: This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO,CO_X) 5.2 Extinguishing Methods: Water, Foam, CO₂, Dry Chemical. Use water spray to cool unopened containers. Firefighting Procedures: 5.3 Fight fires as for surrounding materials. As in any fire, wear MSHA/NIOSH approved self-contained breathing apparatus (pressure-demand) and full protective gear. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Avoid spraying water directly into storage containers because of danger of boil-over. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. Firefighters must use full bunker gear including NIOSH-approved positive pressure self-contained breathing apparatus to protect against potential hazardous combustion or decomposition products and oxygen deficiencies. 6. ACCIDENTAL RELEASE MEASURES 6.1 Spills: Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective For small spills (e.g., < 1 gallon (3.8 L)) wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows). Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For <u>large spills</u> (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer product to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

7. HANDLING & STORAGE INFORMATION 7 1 Work & Hygiene Practices: Do not eat, drink, or smoke while handling this product. Wash thoroughly after handling. Avoid contact with flammable or combustible materials. Avoid contamination from any source, including metals, dust and organic materials. Keep bulk covered. Wash unintentional residues with soap and warm water. 7.2 Storage & Handling: Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans). Keep away from excessive heat and open flames. Avoid temperatures above 120 °F. Keep away from incompatible substances. Protect containers from physical damage. 7.3 Special Precautions: Spilled material may present a slipping hazard if left unattended. Clean all spills promptly. 8. EXPOSURE CONTROLS & PERSONAL PROTECTION 8.1 **Exposure Limits: ACGIH** NOHSC **OSHA** OTHER ppm (mg/m³) ES-STEL STEL CHEMICAL NAME(S) TLV STEL **ES-TWA ES-PEAK** IDLH **ETHANOL** 1000 1900 1900 8.2 Ventilation & Engineering When working with large quantities of product, provide adequate ventilation (e.g., local exhaust ventilation, fans). Ensure that an eyewash station, sink or washbasin is available in case of exposure to eyes. 8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. If necessary, use only respiratory protection authorized per U.S. OSHA's requirement in 29 CFR §1910.134, or applicable U.S. state regulations, or the appropriate standards of Canada, its provinces, E.C. member states, or Australia. 8.4 Eye Protection: Wear protective eyewear (e.g., safety glasses with side-shield) at all times when handling this product. Always use protective eyewear when cleaning spills or leaks. Contact lenses pose a special hazard; soft lenses may absorb and concentrate irritants. 8.5 Hand Protection: None required under normal conditions of use. However, may cause skin irritation in some sensitive individuals. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber or impervious plastic gloves. 8.6 Body Protection: No apron required when handling small quantities. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.



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	T .	9. PHYSICAL & CHEMICAL PROPERTIES
9.1	Appearance:	Clear liquid
9.2	Odor:	Citrusy odor
9.3	Odor Threshold: pH:	NA Log of the second se
9.5	Melting Point/Freezing Point:	6.0 – 8.0 NA
9.6	Initial Boiling Point/Boiling	
	Range:	> 100 °C (> 212 °F)
9.7	Flashpoint:	> 82.2 °C (> 180 °F)
9.8	Upper/Lower Flammability Limits:	NA / NA
9.9	Vapor Pressure:	NA NA
9.10	Vapor Density:	< 1.0 (air = 1.0)
9.11	Relative Density:	1.0
9.12	Solubility:	Complete (water)
9.13	Partition Coefficient (log Pow):	NA NA
9.14	Autoignition Temperature:	NA
9.15	Decomposition Temperature:	NA
9.16	Viscosity:	NA NA
9.17	Other Information:	NA NA
		10. STABILITY & REACTIVITY
10.1	Stability:	This product is stable.
10.2	Hazardous Decomposition	Oxides of carbon (CO, CO ₂) and sulfur (SO ₂). Liberation of gas my result in dangerous pressure.
10.3	Products: Hazardous Polymerization:	
10.3	Conditions to Avoid:	Will not occur. Excessive heat, and incompatible materials.
10.4	Incompatible Substances:	
10.0	moompatible Cubbiances.	Avoid extreme heat and ignition sources. Store away from oxidizers.
		11. TOXICOLOGICAL INFORMATION
11.1	Routes of Entry:	Inhalation: YES Absorption: YES Ingestion: YES
11.2	Toxicity Data:	This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product and is not presented in this document.
11.3	Acute Toxicity:	Moderate irritation to eyes and skin near affected areas.
11.4	Chronic Toxicity:	This material may aggravate any pre-existing skin condition (e.g., dermatitis).
11.5	Suspected Carcinogen:	No.
11.6	Reproductive Toxicity:	This product is not reported to produce reproductive toxicity in humans.
	Mutagenicity:	This product is not reported to produce mutagenic effects in humans.
	Embryotoxicity:	This product is not reported to produce embryotoxic effects in humans.
	Teratogenicity:	This product is not reported to cause teratogenic effects in humans.
	Reproductive Toxicity:	This product is not reported to cause reproductive effects in humans.
11.7	Irritancy of Product:	The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) upon prolonged or repeated exposure.
11.8	Biological Exposure Indices:	NE .
11.9	Physician Recommendations:	Treat symptomatically.
		12. ECOLOGICAL INFORMATION
12.1	Environmental Stability:	There is no specific data available for this product.
12.2	Effects on Plants & Animals:	There are no specific data available for this product.
12.3	Effects on Aquatic Life:	Ethanol: EC ₅₀ (Daphnia magna (water flea), 48h): 7.7 - 11.2 mg/L; LC_{50} (Pimephales promelas (fathead minnow), 96h) > 100 mg/L; Alkyl Dimethyl Benzyl Ammonium Chloride: LC_{50} (Morone saxatilis (Striped bass, 96h): 10.4 - 19.1 mg/L
		13 DISPOSAL CONSIDERATIONS
12.1	Wasta Disposal:	13. DISPOSAL CONSIDERATIONS
13.1	Waste Disposal:	Review current local, state and federal laws, codes, statutes and regulations to determine current status and appropriate disposal method for the ingredients listed in Section 2. Any disposal practice must be in compliance with local, state, and federal laws and regulations. Contact the appropriate agency for specific information. Treatment, transport, storage and disposal of hazardous waste must be provided by a licensed facility or waste hauler.



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		44 TRANSPORTATION	INFORMATION	
Τ.	haada daaadadaa (ID Noo	14. TRANSPORTATION		
desc	basic description (ID Nur	nber, proper snipping name, nazard class & division, e required by 49 CFR, IATA/ICAO, IMDG and the CTI	packing group) is shown for each mode of transportation. Additional DGR	
14.1	49 CFR (GND):	NOT REGULATED	5614.	
14.2	IATA (AIR):	NOT REGULATED		
14.3	IMDG (OCN):	NOT REGULATED		
14.4	TDGR (Canadian GND):	NOT REGULATED		
14.5	ADR/RID (EU):	NOT REGULATED		
14.6	SCT (MEXICO):	NOT REGULATED		
14.7	ADGR (AUS):	NOT REGULATED		
		15. REGULATORY IN	FORMATION	
15.1	SARA Reporting Requirements:	This product does not contain any substances subje	ect to SARA Title III, section 313 reporting requirements.	
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities	s for the components of this product.	
15.3	TSCA Inventory Status:	The components of this product are listed on the TS	SCA Inventory.	
15.4	CERCLA Reportable Quantity (RQ):	NA		
15.5	Other Federal Requirements:	This product complies with the appropriate sections (Cosmetics).	of the Food and Drug Administration's 21 CFR Subchapter G,	
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List.		
15.7	State Regulatory Information:	Ethanol is found on the following state criteria lists: California OSHA Hazardous Substances List (CA), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).		
15.8	Other Requirements:	The primary components of this product are not lister Irritant (Xi) Risk Phrases: (R) 36 – Irritating to eyes. Safety children. Avoid contact with eyes. In case of accommediately (show the label where possible).	y Phrases: (S) 2-25-45 - Keep out of reach of	
		16. OTHER INFOR	PMATION	
16.1	Other Information:		ACTION. CAUSES EYE IRRITATION. Use only as directed. Keep	
		out of reach of children. Avoid contact with eye	is. In case of accident or if you feel unwell seek medical advice in irritation occurs: get medical advice/attention. KEEP LOCKED UP	
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.		
16.3	Disclaimer:	government regulations must be reviewed for a Laboratories, Inc.'s knowledge, the information of accuracy, suitability or completeness is not guarant provided. The information contained herein relates other materials, all component properties must be consult the latest edition.	HA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & CAIG ontained herein is reliable and accurate as of this date; however, steed and no warranties of any type, either expressed or implied, are sonly to the specific product(s). If this product(s) is combined with a considered. Data may be changed from time to time. Be sure to	
16.4	Prepared for:	CAIG Laboratories, Inc. 12200 Thatcher Court Poway, CA 92064-6876 Tel: +1 (800) CAIG-123 (244-4123) Fax: +1 (858) 486-8398 fax http://www.caig.com/	CAIGE THE LABORATORIES, INC.	
16.5	Prepared by:	ShipMate, Inc. P.O. Box 787 Sisters, Oregon 97759-0787 USA Tel: +1 (310) 370-3600 Fax: +1 (310) 370-5700 http://www.shipmate.com	ShipMate* Dangerous Goods Training & Consulting	



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DEFINITION OF TERMS

A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

GENERAL INFORMATION:

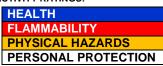
CAS No.	Chemical Abstract Service Number	
EXPOSURE	LIMITS IN AIR:	
ACGIH	American Conference on Governmental Industrial Hygienists	
С	Ceiling Limit	
ES	ES Exposure Standard (Australia)	
IDLH	IDLH Immediately Dangerous to Life and Health	
OSHA	DSHA U.S. Occupational Safety and Health Administration	
PEL	Permissible Exposure Limit	
STEL	Short-Term Exposure Limit	
TLV	Threshold Limit Value	
TWA	Time Weighted Average	

FIRST AID MEASURES:

CPR	Cardiopulmonary resuscitation - method in which a person whose heart has
	stopped receives manual chest compressions and breathing to circulate blood
	and provide avvgen to the body

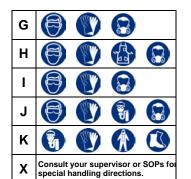
HMIS-III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:

0	Minimal Hazard
1	Slight Hazard
2	Moderate Hazard
3	Severe Hazard
4	Extreme Hazard



PERSONAL PROTECTION RATINGS:

Α			
В			
С		THE STATE OF THE S	
D		THE STATE OF THE S	
Е			
F		THE STATE OF THE S	

























Airline Hood/Mask or SCBA

OTHER STANDARD ABBREVIATIONS:

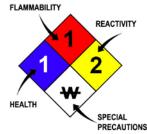
ML	Maximum Limit	
mg/m3	milligrams per cubic meter	
NA	NA Not Available	
ND	Not Determined	
NE	Not Established	
NF	Not Found	
NR	No Results	
ppm	parts per million	
SCBA	BA Self-Contained Breathing Apparatus	

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:				
Autoignition	Minimum temperature required to initiate combustion in air with no other			
Temperature	source of ignition			
LEL	LEL Lower Explosive Limit - lowest percent of vapor in air, by volume, that will			
	explode or ignite in the presence of an ignition source			
UEL	UEL Upper Explosive Limit - highest percent of vapor in air, by volume, that will			
	explode or ignite in the presence of an ignition source			

HAZARD RATINGS:

0	Minimal Hazard	
1	Slight Hazard	
2	Moderate Hazard	
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	
₩	Use No Water	
OX	Oxidizer	
TREFOIL	Radioactive	



TOXICOLOGICAL INFORMATION:

LD ₅₀	Lethal Dose (solids & liquids) which kills 50% of the exposed animals
LC ₅₀	Lethal concentration (gases) which kills 50% of the exposed animal
ppm	Concentration expressed in parts of material per million parts
TD _{Io}	Lowest dose to cause a symptom
TCLo	Lowest concentration to cause a symptom
TD _{io} , LD _{io} , & LD _o or	Lowest dose (or concentration) to cause lethal or toxic effects
TC, TC _o , LC _{lo} , & LC _o	
IARC	International Agency for Research on Cancer
NTP	National Toxicology Program
RTECS	Registry of Toxic Effects of Chemical Substances
BCF	Bioconcentration Factor
TLm	Median threshold limit
log Kow or log Koc	Coefficient of Oil/Water Distribution

REGULATORY INFORMATION:

WHMIS	Canadian Workplace Hazardous Material Information System	
DOT	U.S. Department of Transportation	
TC	TC Transport Canada	
EPA	U.S. Environmental Protection Agency	
DSL	DSL Canadian Domestic Substance List	
NOHSC	NOHSC National Occupational Health and Safety Commission (Australia)	
NDSL	NDSL Canadian Non-Domestic Substance List	
PSL	Canadian Priority Substances List	
TSCA	U.S. Toxic Substance Control Act	
EU	European Union (European Union Directive 67/548/EEC)	
WGK	Wassergefährdungsklassen (German Water Hazard Class)	
HMIS-III	National Paint & Coatings Association Hazardous Materials Identification System	

WORKPLACE HAZARDOUS MATERIALS IDENTIFICATION (WHMIS) SYSTEM:

0	((2)		\odot	(4)		
Class A	Class B	Class C	Class D1	Class D2	Class D3	Class E	Class F
Compressed	Flammable	Oxidizing	Toxic	Irritation	Infectious	Corrosive	Reactive

EC (67/548/EEC) INFORMATION:

1 ***		*	*		® X	X	×
С	E	F	N	0	Т	Xi	Xn
Corrosive	Explosive	Flammable	Harmful	Oxidizing	Toxic	Irritant	Harmful

CLP/GHS (1272/2008/EC) PICTOGRAMS:

			\Diamond			\limits		
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment