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		1. F	טטטטאי	T & COM	<u>PANY</u>	<u>IDE</u> r	<u> </u>	<u>ICA</u>	<u> 110</u> 1	1				
1.1	Product Name:	K-18 [®] MC	LECULA	R REPA	IR HAII	R MA	ASK							
1.2	Chemical Name:	Aqueous Solut	ion											
1.3	Synonyms:	K-18 Molecula	18 Molecular Repair Hair Mask											
1.4	Product Uses & Restrictions:	Cosmetics	osmetics											
1.5	Distributor's Name:	K18 Biomimet												
1.6	Distributor's Address:	621 Sansome	21 Sansome Street, San Francisco, CA 94111 USA											
1.7	Emergency Phone:	CHEMTR	CHEMTREC: +1 (703) 527-3887 // +1 (800) 424-9300											
1.8	Business Phone / Fax:	+1 (844) 564-0	382 // +1 (800) 466-7379										
			2 11 4	740001	DENT	EIC /	TIO	NAI						
2.1	Harand Idantification	l		ZARDS								001	14 00 0	
2.1	Hazard Identification:	Prepared in ac							nded to	o com	oly with	1 OSH	IA 29 (CFR 1910.1200
		WARNING! C			aili ailu O	aicty S	andal	us.						
		Classification:												
2.2	Label Elements	Hazard Statem		7 – Combustik	ole liquid.									
		Precautionary	Statements (F	P): P210 – Kee	ep away fro								NO	PICTOGRAM
		and other igniti	on sources. N	No smoking. F	P280 – We	ar eye	protec	tion. F	2370+I	⊃378 –	In cas	se of		REQUIRED
		fire: Use Wate Dispose of con									e. Pt	01 -		
2.3	Additional Hazards:	KEEP OUT O			ı ilealilleli	i, siora	ge, an	u uispi	JSai III	111.				
		I KEEL OOT O	I KLAGII OI	OTTLEDICEIV.										
		3. CO	MPOSITI	ON & INC	REDII	=NT	INF	ORN	ΙΔΤΙ	ON				
		1	<u> </u>	1				<u> </u>		SURE LI	MITS IN	AIR (mg	g/m³)	
						AC	GIH		NOHSC	;		OSHA		
						p	om		ppm			ppm	1	
СНЕМ	ICAL NAME(S)	CAS No.	RTECS No.	EINECS No.	%	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH	OTHER
WATE	ER (AQUA) (EAU)	7732-18-5	ZC0110000	231-791-2	30-50	NA	NA	NF	NF	NF	NA	NA	NA	
DD05	2// 5/15 01 //001	57-55-6	TY2000000	200-338-0	NA	NA	NA	(150)	474	NF	NA	NA	NA	
PROF	PYLENE GLYCOL				l	1		1 (/					1	
ETHA	NOI	64-17-5	KQ6300000	200-578-6	≤ 20	1000	3000	1000	1880	NF	1000	3000	3300	
		Flam. Liq. 2; H	1	T	1	T	1	1					1	
BEHE	ENTRIMONIUM CHLORIDE	17301-53-0	NA	241-327-0	NA	NA	NA	NF	NF	NF	NA	NA	NA	<u> </u>
CETE	ARYL ALCOHOL	8005-44-5	NA	267-008-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	
		629-82-3	INA	211-112-6	NA	NA	NA	NF	NF	NF	NA	NA	NA	
DICA	PRYL ETHER	023-02-0	147 (211-112-0	11071	14/1	14/1		1111	1111	14/1	14/1	14/1	
CETY	L ESTERS WAX	NA	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
BEN7	YL ALCOHOL	100-51-6	ND3150000	202-859-9	NA	NA	NA	NF	NF	NF	NA	NA	NA	
DLINZ	TE ALOUI IOL													
HYDF	ROLYZED WHEAT PROTEIN	94350-06-8 / 222400-28-4 / 70084-87-6	NA	NA	NA	NA	NA	NF	NF	NF	NA	NA	NA	
	NR.1105 (R.185:	NA	NA	NA	≤ 1	NA	NA	NF	NF	NF	NA	NA	NA	
FRAG	GRANCE (PARFUM)			•										
POLY	SORBATE-80	9005-65-6	NA	500-019-9	≤ 1	NA	NA	NF	NF	NF	NA	NA	NA	
			1	INIA	1.4				N.E	N.E		N.1.A	T	
011.0	LIGOPEPTIDE-78	147732-56-7	NA	NA	≤ 1	NA	NA	NF	NF	NF	NA	NA	NA	1



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		4. FIRST AID		
4.1	First Aid:	Provide an estimate of the tim was swallowed. Eyes: Splashes are not likely; howev for at least 15 minutes. If irritation occurs and product washing of the affected area physician immediately.	iting. Contact the nearest Poison Control Center or local emergency number at which the material was ingested and the amount of the substance ver, if product gets in the eyes, flush with copious amounts of lukewarm wation occurs, contact a physician. is on the skin, rinse thoroughly with lukewarm water, followed by a thorowith soap and water. If irritation, redness or swelling persists, contained.	water ough
4.2	Effects of Exposure:	Ingestion: If product is swallowed, may c Eyes: May be irritating to the eyes. watering.	cause nausea, vomiting and/or diarrhea. Symptoms of overexposure may include redness, itching, irritation sitive individuals, the product can cause allergic skin reactions (e.g., ras	
4.3	Symptoms of Overexposure:	None reported by the manufacturer.		
4.4	Acute Health Effects:	None reported by the manufacturer.		
4.5	Chronic Health Effects:	No harmful or chronic health effects are expe	ected to occur from a single accidental ingestion.	
4.6	Target Organs:	Eyes, Skin		_
4.7	Medical Conditions Aggravated by Exposure:	Pre-existing dermatitis, other skin condition target organs (eyes, skin).	ns, and disorders of the HEALTH FLAMMABILITY PHYSICAL HAZARDS PROTECTIVE EQUIPMENT	1 2 0 B
		5 FIDEFIOLITI	EYES SKIN	
5.1	Fire 9 Fymlosian Hamanda.		NG MEASURES	
5.1	Fire & Explosion Hazards:		n exposed to high temperatures, may produce hazardous arbon (e.g., CO, CO ₂) and nitrogen (e.g., NO _x) and smoke.	
5.2	Extinguishing Methods:	Water, Foam, CO ₂ , Dry Chemical	nborr (e.g., co, co ₂) and miliogen (e.g., No _x) and smoke.	
5.3	Firefighting Procedures:	As in any fire, wear MSHA/NIOSH approved	d self-contained breathing apparatus (pressure-demand) ool until well after the fire is out. Use water spray to cool	
		fire-exposed surfaces and to protect person dilution from entering sewers, drains, drinki must use full bunker gear including NIOS	ing water supply, or any natural waterway. Firefighters iH-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen	0
		fire-exposed surfaces and to protect person dilution from entering sewers, drains, drinki must use full bunker gear including NIOS apparatus to protect against potential hazard deficiencies.	ing water supply, or any natural waterway. Firefighters H-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen	0
6.1	Spills:	fire-exposed surfaces and to protect personn dilution from entering sewers, drains, drinki must use full bunker gear including NIOS apparatus to protect against potential hazard deficiencies. 6. ACCIDENTAL RE Before cleaning any spill or leak, individu Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) or equipment (e.g., goggles, gloves). Remove container(s) for disposal. Dispose of proper	ing water supply, or any natural waterway. Firefighters H-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen	ective losed ected
6.1	Spills:	fire-exposed surfaces and to protect personn dilution from entering sewers, drains, drinki must use full bunker gear including NIOS apparatus to protect against potential hazard deficiencies. 6. ACCIDENTAL RE Before cleaning any spill or leak, individu Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) or equipment (e.g., goggles, gloves). Remove container(s) for disposal. Dispose of proper areas and outside of container with plenty	ing water supply, or any natural waterway. Firefighters H-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen ELEASE MEASURES Lals involved in spill cleanup must wear appropriate Personal Prote I large spills (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal prote e spilled material with absorbent material and place into appropriate clarly in accordance with local, state and federal regulations. Wash all affer of warm water and soap. Remove any contaminated clothing and warm water and soap.	ective losed ected
7.1	Spills: Work & Hygiene Practices:	fire-exposed surfaces and to protect personn dilution from entering sewers, drains, drinki must use full bunker gear including NIOS apparatus to protect against potential hazard deficiencies. 6. ACCIDENTAL RE Before cleaning any spill or leak, individu Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) or equipment (e.g., goggles, gloves). Remove container(s) for disposal. Dispose of proper areas and outside of container with plenty thoroughly before reuse.	ing water supply, or any natural waterway. Firefighters H-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen ELEASE MEASURES Lals involved in spill cleanup must wear appropriate Personal Prote a large spills (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal prote e spilled material with absorbent material and place into appropriate clurly in accordance with local, state and federal regulations. Wash all affer of warm water and soap. Remove any contaminated clothing and water and soap.	ective losed ected
		fire-exposed surfaces and to protect personn dilution from entering sewers, drains, drinki must use full bunker gear including NIOS apparatus to protect against potential hazard deficiencies. 6. ACCIDENTAL RE Before cleaning any spill or leak, individu Equipment (PPE). For small spills (e.g., < 1 gallon (3.8 L)) or equipment (e.g., goggles, gloves). Remove container(s) for disposal. Dispose of proper areas and outside of container with plenty thoroughly before reuse. 7. HANDLING & STO	ing water supply, or any natural waterway. Firefighters H-approved positive pressure self-contained breathing dous combustion or decomposition products and oxygen ELEASE MEASURES Lals involved in spill cleanup must wear appropriate Personal Prote a large spills (e.g., ≥ 1 gallon (3.8 L)), wear appropriate personal prote e spilled material with absorbent material and place into appropriate clurly in accordance with local, state and federal regulations. Wash all affer of warm water and soap. Remove any contaminated clothing and water and soap.	ective losed ected wash



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rep	ared to USHA, ACC, ANS	SI, NOHSC, WHMIS, GHS & I	EU Standa	ards		5	DS Revi	sion: 2.1	3	SDS Rev	ision Date:	7/8/2024
		EVDOSIDE CO	NTDC	71 6 8	DED	A IAOS	I DD	OTEC	TION			
.1	Exposure Limits:	8. EXPOSURE CO	JNIKC	JLS &	PER			S IN AIR -		n3)		
. '	ppm (mg/m³)		AC	GIH		NOHSC	JOKE LIMIT	3 IN AIR -	OSHA		OTHER	
		CHEMICAL NAME(S)	TLV	STEL	ES- TWA	ES- STEL	ES- PEAK	PEL	STEL	IDLH		
		ETHANOL	1000	3000	1000	1880	NF	1000	3000	3300		
		PROPYLENE GLYCOL	NA NA	NA	(150)	474	NF	NA	NA	NA		
.2	Ventilation & Engineering	When working with large q			_ `						ı aust ventila	ation far
	Controls:	Ensure that an eyewash sta	ation, sink,	or wash	basin is a	available	in case	of exposi	re to ey	es.	adot vontile	auon, iai
.3	Respiratory Protection:	No special respiratory protect use only respiratory protect U.S. state regulations, or the	ion author	ized per	U.S. OSI	HA's requ	uirement	in 29 CF	R §1910).134, or	applicable	
.2	Ventilation & Engineering Controls:	When working with large q Ensure that an eyewash sta	uantities o	of this pr	oduct, pr	ovide ad	equate \	entilatior/	n (e.g., l	ocal exh		ation, far
.3	Respiratory Protection:	No special respiratory protect use only respiratory protect U.S. state regulations, or the	ection is re ion author	equired ι ized per	ınder typ U.S. OSI	ical circu HA's requ	ımstance uirement	s of use in 29 CF	or hand R §1910	lling. If r 0.134, or	applicable	
3.4	Eye Protection:	Wear protective eyewear (€ ≥ 1 gallon (3.8 L)) of this plenses pose a special haza	e.g., safety product. A	/ glasses lways us	with side	e-shield) tive eyev	always v	when han en cleani	ndling lar	ge quan	tities (e.g.,	
3.5	Hand Protection:	If anticipated that prolonged gloves for routine industrial standards of Canada, of the	l & repeate	ed skin co necessa	ontact wil ry, refer	l occur di	uring use	of this pr				
3.6	Body Protection:	However, no special body necessary, refer to appropr									ndling. If	
		9. PHYSIC	AL &	CHEN	IICAL	PRO	PERT	IES				
.1	Appearance:	Smooth white to opaque vis										
2	Odor:	Characteristic fragrance										
3	Odor Threshold:	NA										
4	pH:	NA										
5	Melting Point/Freezing Point:	NA										
6	Initial Boiling Point/Boiling Range:	> 100 °C (> 212 °F)										
7	Flashpoint:	86 °C (186.8 °F), ASTM D9	2-18									
8	Upper/Lower Flammability	NA	2 10									
9	Limits: Vapor Pressure:	NA										
10	Vapor Density:	NA										
11	Specific Gravity	≥ 0.99										
12	Solubility:	Soluble in water, acetone &	tetrahvdr	ofuran								
13	Partition Coefficient (log Pow):	NA	tetrarryur	Olulaii								
14	Autoignition Temperature:	452 °C										
15	Decomposition Temperature:	NA										
16	Viscosity:	Viscous										
17	Other Information:	NA										
		10. \$	STABII	LITY 8	& REA	CTIV	ITY					
).1	Stability:	This product is stable.										
).2	Hazardous Decomposition Products:	Oxides of carbon (CO, CO ₂) and sulfu	ur (SO ₂).		_				_		
).3	Hazardous Polymerization:	Will not occur.										
).4	Conditions to Avoid:	Extreme temperatures.										
.5	Incompatible Substances:	Oxidizing substances, stror	ıg alkalis,	strong ac	cids.							
		11. TOX	CICOLO	OGICA	AL INF	ORM	ATIO	N				
.1	Routes of Entry:	Inhalation: NO	Ī			YES			Ingestion:	YES		
1.2	Toxicity Data:	This product has NOT beer available for some of the co			to obtain	n toxicolo		Toxicolo	ogy data,	, found in	scientific li	terature
1.3	Acute Toxicity:	See Section 4.4										
1.3 1.4 1.5	Acute Toxicity: Chronic Toxicity: Suspected Carcinogen:	See Section 4.4 See Section 4.5 No		•								



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		11. TOXICOLOGICAL INFORMATION		
	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:	See Section 4.3		
11.8	Biological Exposure Indices:	NE		
11.9	Physician Recommendations:	Treat symptomatically.		
		12. ECOLOGICAL INFORMATION		
12.1	Environmental Stability:	There are 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:	There are no specific data available for this product. WGK: 1 (low hazard to waters)		
		13. DISPOSAL CONSIDERATIONS		
13.1	Waste Disposal:	Dispose of in accordance with federal, state and local regulations.		
13.2	Special Considerations:	NA		
		14. TRANSPORTATION INFORMATION		
		nber, proper shipping name, hazard class & division, packing group) is shown for each mode of transporter required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.	ation. Additional	
14.1	49 CFR (GND):	NOT REGULATED		
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		
14.8	OTHER	UN1170, ETHANOL SOLUTIONS, 3, III (BULK PACKAGINGS, VOL > 450 L)		
		15. REGULATORY INFORMATION		
15.1	SARA Reporting Requirements:	This product does not contain any substances subject to SARA Title III, Section 313 reporting requirements	ents.	
15.2	SARA Threshold Planning Quantity:	There are no specific Threshold Planning Quantities for the components of this product.		
15.3	TSCA Inventory Status:	The components of this product are listed on the TSCA Inventory.		
15.4	CERCLA Reportable Quantity (RQ):	NA		
15.5	Other Federal Requirements:	This product complies with the appropriate sections of the Food and Drug Administration's 21 CF (Cosmetics). This material does not contain any hazardous air pollutants. None of the components ir listed as priority pollutants under the CWA. None of the components in this product are listed as toxic the CWA.	this product are	
15.6	Other Canadian Regulations:	This product has been classified according to the hazard criteria of the HPR and the SDS contains all crequired by the HPR. The components of this product are listed on the DSL/NDSL. None of the components are listed on the Priorities Substances List.		
15.7				
15.8	Other Requirements:	This product is found on the following inventory lists: Australia - AICS, China – IECSC, Europe – ELINC – ENCS; Korea – KECI; New Zealand – NZIoC; Philippines – PICCS; USA – TSCA.	S/EINEC, Japan	



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		16. OTHER INF	FORMATION		
16.1	Other Information:	WARNING! COMBUSTIBLE LIQUID. For external use only. Use only as directed. Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking. Wear eye protection. In case of fire: Use Water, Foam, CO ₂ , Dry Chemical. Store in a well-ventilated place. KEEP OUT OF REACH OF CHILDREN.			
16.2	Terms & Definitions:	See last page of this Safety Data Sheet.			
16.3	Disclaimer:	This Safety Data Sheet is offered pursuant to government regulations must be reviewed for Hair Science's, knowledge, the information co suitability or completeness is not guaranteed. The information contained herein relates only to	o OSHA's Hazard Communication Standard, 29 CFR §1910.1200. Other applicability to this product. To the best of ShipMate's & K18 Biomimetic ntained herein is reliable and accurate as of this date; however, accuracy, and no warranties of any type, either expressed or implied, are provided. o the specific product(s). If this product(s) is combined with other materials, . Data may be changed from time to time. Be sure to consult the latest		
16.4	Prepared for:	K18 Biomimetic Hair Science 621 Sansome Street San Francisco, CA 94111 USA Tel: +1 (844) 564-0382 Tel: +1 (800) 466-7379 https://www.k18hair.com/	C18 DMIMETIC DIRSCIENCE		
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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Prepared to OSHA, ACC, ANSI, NOHSC, WHMIS, GHS & EU Standards

SDS Revision: 2.1

SDS Revision Date: 7/8/2024

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
RTECS No.	Registry of Toxic Effects of Chemical Substances Number
EINECS No.	European Inventory of Existing Commercial Chemical Substances Number

EXPOSURE LIMITS IN AIR:

ACGIH	ACGIH American Conference on Governmental Industrial Hygienists		
IDLH	IDLH Immediately Dangerous to Life and Health		
NOHSC National Occupational Health and Safety Commission (Australia)			
OSHA	OSHA 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 oxygen to the body.

HAZARDOUS MATERIALS IDENTIFICATION SYSTEM: HMIS

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			
D			
E			
F		To and	

G				
Н			TAN AND AND AND AND AND AND AND AND AND A	
I				
J			TOTAL	
K	9		A	0
Х	Consult y special h	our supe andling d	rvisor or Sirections.	SOPs for



OTHER STANDARD ABBREVIATIONS:

Carc	Carcinogenic		
Irrit	Irritant		
NA	Not Available		
NR	No Results		
ND	Not Determined		
NE	Not Established		
NF	Not Found		
SCBA	Self-Contained Breathing Apparatus		
Sens	Sens Sensitization		
STOT RE	Specific Target Organ Toxicity – Repeat Exposure		
STOT SE	Specific Target Organ Toxicity – Single Exposure		

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:						
Autoignition Temperature	Minimum temperature required to initiate combustion in air with no other source of ignition					
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	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	FLAMMABILITY
1	Slight Hazard	\ \ \
2	Moderate Hazard	REACTIVITY
3	Severe Hazard	
4	Extreme Hazard	
ACD	Acidic	
ALK	Alkaline	
COR	Corrosive	/ \ \ \ \
₩	Use No Water	HEALTH
ОХ	Oxidizer	SPECIAL
TREFOIL	Radioactive	PRECAUTIONS

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	TCLo Lowest concentration to cause a symptom				
TDio, LDio, & LDo or	Lowest dose (or concentration) to cause lethal or toxic effects				
TC, TCo, LCio, & LCo					
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	Transport Canada					
EPA	U.S. Environmental Protection Agency					
DSL	Canadian Domestic Substance List					
NDSL	Canadian Non-Domestic Substance List					
PSL	Canadian Priority Substances List					
TSCA	U.S. Toxic Substance Control Act					
EU	U European Union (European Union Directive 67/548/EEC)					
WGK	Wassergefährdungsklassen (German Water Hazard Class)					

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

			\Diamond			_		Y 2
GHS01	GHS02	GHS03	GHS04	GHS05	GHS06	GHS07	GHS08	GHS09
Explosive	Flammable	Oxidizer	Pressurized	Corrosive	Toxic	Harmful Irritating	Health Hazard	Environment