

Marlex® HHM 5202BN Polyethylene

Version 1.12

Revision Date 2022-10-19

according to GB/T 16483 and GB/T 17519

SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product information** Product Name Marlex® HHM 5202BN Polyethylene Material 1118632, 1080877, 1080876, 1080875, 1116436, 1116435, 1116434, 1116433, 1116406, 1093185, 1080878, 1080879, 1097269 Company : Qatar Chemical Company LTD (QChem) Amwal Tower, Omar Al Mukhtar St, Al-Dafna (Zone 61) PO Box 24646 Doha, Qatar SDS Requests: (+974) 4484-7110 Technical Information: (+974) 4476-7145 Responsible Party: Product Safety Group Email: MSDSInguiry@gchem.com.ga **Emergency telephone:** Health: 866.442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTREC 800.424.9300 or 703.527.3887(int'l) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 Mexico CHEMTREC 01-800-681-9531 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Austria: VIZ +43 1 406 43 43 (24 hours/day, 7 days/week) Belgium: 070 245 245 (24 hours/day, 7 days/week) Bulgaria: +359 2 9154 233 Croatia: +3851 2348 342 (24 hours/day, 7 days/week) Cyprus: 1401 Czech Republic: Toxicological Information Center +420 224 919 293, +420 224 915 402 Denmark: Danish Poison Center (Giftlinien): +45 8212 1212 Estonia: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Finland: 0800 147 111 09 471 977 (24 hours/day) France: ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (24 hours/day, 7 days/week) Germany: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Greece: (0030) 2107793777 (24 hours/day, 7 days/week) Hungary: +36-80-201-199 (24 hours/day, 7 days/week) Iceland: 543 2222 (24 hours/day, 7 days/week) Ireland: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Italy: BIG +32.14.584545 (phone) or +32.14583516 (telefax) SDS Number:10000000719 1/10

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Poisoning and	Drug Information Ce		112; Toxicology and Sepsis Riga, Latvia, LV-1038, phon	
	BIG +32.14.584545 (phone) or +32.1458	3516 (telefax)	
Luxembourg: () (85) 2362052 +352) 8002 5500 (24	hours/day, 7 days/	week)	
	ds: NVIC: +31 (0)88 7			
Poland: BIG +3	13 00 (24 hours/day 32.14.584545 (phone) or +32.14583516	(telefax)	
Portugal: CIAV Romania: +402	phone number: +35 213183606	1 800 250 250		
Slovakia: +421 Slovenia: Phor	2 5477 4166 ne number: 112			
Spain: Nationa hours/day, 7 da		one Number of Spar	nish Poison Centre: +34 91	562 04 20 (24
	ask for Poisons Info	rmation		
Responsible Depa		uct Safety and Toxic	cology Group	
E-mail address Website		@CPChem.com .CPChem.com		
			erial in medical applications	
permanent implan fluids or tissues.	tation in the human b	oody or permanent o	contact with internal body fl	uids or tissues
			rief or temporary implantat unless the material has bee	
directly from Chev		I Company LP or its	legal affiliates under an ag	
			ites makes no representation	
	or implied warranty c y or in contact with in		pility of this material for use tissues.	in implantation
SECTION 2: Hazards	identification			
	-		3 15258 and GB 30000.2 to	o GB 30000.29
Form: Pellets F	Physical state: solid	Color: Opaque	Odor: Mild to no odor	
Classification				
Not a hazardous s	substance or mixture.			
Labeling				
Not a hazardous s	substance or mixture.			
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Chemical name			CAS-No. / EINECS-No.	Concentration [wt%]
Polyethylene Hexene Copol			25213-02-9	99 - 100
Contains no hazardous ingre	die	nts accordir	ng to GHS.	
TION 4: First aid measures				
If inhaled	:		esh air in case of accidental in n overheating or combustion. sician.	
In case of skin contact	:	immediate	en material gets on skin, quick medical attention. Do not try om the skin or use solvents or	to peel the solidified
In case of eye contact	:		e of contact with eyes, rinse in nd seek medical advice.	nmediately with plenty
If swallowed	:	Do not ind	luce vomiting without medical	advice.
TION 5: Firefighting measu	res			
Flash point	:	No data av	vailable	
Autoignition temperature	:	No data av	vailable	
Suitable extinguishing media	:	Foam. If p fogging no application surface lay create a d extinguish	ater mist. Dry chemical. Carb possible, water should be appl pozzle since this is a surface bu n of high velocity water will spr yer. Avoid the use of straight ust cloud and the risk of a dus ing measures that are appropri- nces and the surrounding envi	ied as a spray from a rning material. The ead the burning streams that may t explosion. Use riate to local
Specific hazards during fire fighting	:		nition followed by flame propa s can be caused by the accum ledges.	
Special protective equipment for fire-fighters	:		nal protective equipment. We apparatus for firefighting if nec	
Further information	: This materia		ial will burn although it is not easily ignited.	
Fire and explosion protection	:	Treat as a solid that can burn. Avoid generating dust; fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.		
Hazardous decomposition products	:		ombustion forms carbon dioxide arbon monoxide, other hydroc	

Version 1.12 Revision Date 2022-10-19 hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde. **SECTION 6: Accidental release measures** Personal precautions Sweep up to prevent slipping hazard. Avoid breathing dust. : Avoid dust formation. Environmental precautions Do not contaminate surface water. Prevent product from : entering drains. Methods for cleaning up : Clean up promptly by sweeping or vacuum. Additional advice : Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (i.e., clearing dust surfaces with compressed air). **SECTION 7: Handling and storage** Handling Use good housekeeping for safe handling of the product. Keep Advice on safe handling out of water sources and sewers. Spilled pellets may create a slipping hazard. Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary, but may not by themselves be sufficient. At elevated temperatures (>350°F, >177°C), polyethylene can release vapors and gases, which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. These substances may include acetaldehyde, acetone, acetic acid, formic acid, formaldehyde and acrolein. Based on animal data and limited epidemiological evidence, formaldehyde has been listed as a carcinogen. Following all recommendations within this SDS should minimize exposure to thermal processing emissions. Advice on protection Treat as a solid that can burn. Avoid generating dust; fine dust : against fire and explosion dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Storage Requirements for storage : Keep in a dry place. Keep in a well-ventilated place. areas and containers Advice on common storage : Do not store together with oxidizing and self-igniting products. SDS Number:10000000719 4/10

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SECTION 8: Exposure controls/personal protection

Engineering measures

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

Personal protective equipment

Respiratory protection	 No respiratory protection is normally required. If heated material generates vapor or fumes that are not adequately controlled by ventilation, wear an appropriate respirator. Use the following elements for air-purifying respirators: Organic Vapor and Formaldehyde. A positive pressure, air-supplying respirator may be appropriate if there is potential for uncontrolled release, aerosolization, exposure levels are not known, or other circumstances where air-purifying respirators may not provide adequate protection. Dust safety masks are recommended when the dust concentration is excessive. 			
Eye protection	: Use of safety glasses with side shields for solid handling is good industrial practice. If this material is heated, wear chemical goggles or safety glasses with side shields or a face shield. If there is potential for dust, use chemical goggles.			
Skin and body protection	: At ambient temperatures use of clean and protective clothing is good industrial practice. If the material is heated or molten, wear thermally insulated, heat-resistant gloves that are able to withstand the temperature of the molten product. If this material is heated, wear insulated clothing to prevent skin contact if engineering controls or work practices are not adequate.			
SECTION 9: Physical and chemical properties				
Information on basic physical and chemical properties				

Appearance	
Form	: Pellets
Physical state	: solid
Color	: Opaque
Odor	: Mild to no odor
Safety data	
Flash point	: No data available
Lower explosion limit	: Not applicable
Upper explosion limit	: Not applicable
Autoignition temperature	: No data available
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Thermal decomposition	:	Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.
pH	:	Not applicable
Pour point	:	No data available
Melting point/freezing point		90-140°C (194-284°F)
Initial boiling point and boiling range	:	Not applicable
Vapor pressure	:	Not applicable
Relative density	:	Not applicable
Density	:	0.91 - 0.97 g/cm3 Please refer to the Technical Data Sheet (TDS) for more detailed information relating to the nominal physical properties, including density, of this polyethylene resin grade.
Water solubility	:	negligible
Partition coefficient: n- octanol/water	:	No data available
Solubility in other solvents	:	No data available
Viscosity, dynamic	:	Not applicable
Viscosity, kinematic	:	Not applicable
Relative vapor density	:	Not applicable
Evaporation rate	:	Not applicable
TION 10: Stability and reactiv	vity	
Reactivity	:	This material is considered non-reactive under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Chemical stability	:	This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Possibility of hazardous read	tio	ns
Conditions to avoid	:	Avoid prolonged storage at elevated temperature.
Materials to avoid		Avoid contact with strong oxidizing agents.

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Thermal decomposition	: Low molecular weight hydrocarbons, alcohols, aldehydes, acids and ketones can be formed during thermal processing.
Hazardous decomposition products	: Normal combustion forms carbon dioxide, water vapor and may produce carbon monoxide, other hydrocarbons and hydrocarbon oxidation products (ketones, aldehydes, organic acids) depending on temperature and air availability. Incomplete combustion can also produce formaldehyde.
Other data	: No decomposition if stored and applied as directed.
CTION 11: Toxicological infor	nation
Marlex® HHM 5202BN Polye Acute oral toxicity	thylene : Presumed Not Toxic
Marlex® HHM 5202BN Polye Acute inhalation toxicity	
Marlex® HHM 5202BN Polye Acute dermal toxicity	thylene : Presumed Not Toxic
Marlex® HHM 5202BN Polye Skin irritation	thylene : No skin irritation
Marlex® HHM 5202BN Polye Eye irritation	thylene : No eye irritation
Marlex® HHM 5202BN Polye Further information	 thylene This product contains POLYMERIZED OLEFINS. During thermal processing (>350°F, >177°C) polyolefins can release vapors and gases (aldehydes,ketones and organic acids) which are irritating to the mucous membranes of the eyes, mouth, throat, and lungs. Generally these irritant effects are all transitory. However, prolonged exposure to irritating off-gases can lead to pulmonary edema. Formaldehyde (an aldehyde) has been classified as a carcinogen based on animal data and limited epidemiological evidence.
CTION 12: Ecological information	ion
Ecotoxicity effects	
Toxicity to fish	: Not applicable
Toxicity to daphnia and other aquatic invertebrates	: No data available
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	Biodegradability	:	Result: This material is not expected to be readily biodegradable.				
	Elimination information (persistence and degradability)						
	Bioaccumulation	:	Does not bioaccumulate.				
	Mobility	:	The product is insoluble and floats on water.				
	Additional ecological information	:	This material is not expected to be harmful to aquatic organisms., Fish or birds may eat pellets which may obstruct their digestive tracts.				
	Ecotoxicology Assessment						
	Short-term (acute) aquatic hazard	:	This product has no known ecotoxicological effects.				
	Long-term (chronic) aquatic hazard	:	This product has no known ecotoxicological effects.				
SEC	CTION 13: Disposal considera	tio	ns				
	The information in this SDS pertains only to the product as shipped.						
	may meet the criteria of a haza other State and local regulation regulated components may be	se material for its intended purpose or recycle if possible. This material, if it must be discarded, ay meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or her State and local regulations. Measurement of certain physical properties and analysis for gulated components may be necessary to make a correct determination. If this material is assified as a hazardous waste, federal law requires disposal at a licensed hazardous waste					

SECTION 14: Transport information

disposal facility.

The shipping descriptions shown here are for bulk shipments only, and may not apply to shipments in non-bulk packages (see regulatory definition).

Consult the appropriate domestic or international mode-specific and quantity-specific Dangerous Goods Regulations for additional shipping description requirements (e.g., technical name or names, etc.) Therefore, the information shown here, may not always agree with the bill of lading shipping description for the material. Flashpoints for the material may vary slightly between the SDS and the bill of lading.

US DOT (UNITED STATES DEPARTMENT OF TRANSPORTATION) NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IMO / IMDG (INTERNATIONAL MARITIME DANGEROUS GOODS) NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

IATA (INTERNATIONAL AIR TRANSPORT ASSOCIATION) NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY.

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Version 1.12 Revision Date 2022-10-19 ADR (AGREEMENT ON DANGEROUS GOODS BY ROAD (EUROPE)) NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY. **RID (REGULATIONS CONCERNING THE INTERNATIONAL TRANSPORT OF DANGEROUS GOODS (EUROPE))** NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY. ADN (EUROPEAN AGREEMENT CONCERNING THE INTERNATIONAL CARRIAGE OF DANGEROUS GOODS BY INLAND WATERWAYS) NOT REGULATED AS A HAZARDOUS MATERIAL OR DANGEROUS GOODS FOR TRANSPORTATION BY THIS AGENCY. Maritime transport in bulk according to IMO instruments **SECTION 15: Regulatory information Notification status** Europe REACH This product is in full compliance according to REACH regulation 1907/2006/EC. On the inventory, or in compliance with the inventory Switzerland CH INV United States of America (USA) On or in compliance with the active portion of the TSCA **TSCA** inventory Canada DSL All components of this product are on the Canadian DSL Other AIIC On the inventory, or in compliance with the inventory New Zealand NZIoC On the inventory, or in compliance with the inventory On the inventory, or in compliance with the inventory Japan ENCS On the inventory, or in compliance with the inventory Philippines PICCS Korea KECI A substance(s) in this product was not registered, notified to be registered, or exempted from registration by QChem according to K-REACH regulations. Importation or manufacture of this product is still permitted provided the Korean Importer of Record has themselves notified the substance or the exported amount does not exceed the minimum threshold quantity of the non-registered substance(s). Taiwan TCSI On the inventory, or in compliance with the inventory China IECSC On the inventory, or in compliance with the inventory **SECTION 16: Other information Further information** Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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The information in this SDS pertains only to the product as shipped.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

ACGIH American Conference of Government Industrial Hygienists LD50 Lethal Dose 50% AICS Australia, Inventory of Chemical Substances LOAEL Lowest Observed Adverse Effect Level DSL Canada, Domestic Substances List NFPA National Fire Protection Agency NDSL Canada, Non-Domestic Substances List NIOSH National Institute for Occupational Safety & Health CNS Central Nervous System NTP National Toxicology Program CAS Chemical Abstract Service NZIoC New Zealand Inventory of Chemicals EC50 Effective Concentration NOAEL No Observable Adverse Effect Level EC50 Effective Concentration 50% NOEC No Observed Effect Concentration GEGST EOSCA Generic Exposure OSHA Occupational Safety & Health Administration EINECS European Inventory of Existing Chemical Substances PICCS Philippines Inventory of Commercial Chemical Substances MAK Germany Maximum Concentration Values SARA Superfund Amendments and Reauthorization Act. IARC International Agency for Research on Cancer TLV Threshold Limit Value	K	ey or legend to abbreviations and a	cronyms use	d in the safety data sheet
SubstancesLevelDSLCanada, Domestic Substances ListNFPANational Fire Protection Agency Satery & HealthNDSLCanada, Non-Domestic Substances ListNIOSHNational Institute for Occupational Safety & HealthCNSCentral Nervous SystemNTPNational Institute for Occupational Safety & HealthCASChemical Abstract ServiceNZloCNew Zealand Inventory of ChemicalsEC50Effective ConcentrationNOAELNo Observable Adverse Effect LevelEC50Effective Concentration 50%NOECNo Observed Effect ConcentrationEGESTEOSCA Generic Exposure Scenario ToolOSHAOccupational Safety & Health AdministrationEOSCAEuropean Inventory of Existing Chemical SubstancesPELPermissible Exposure Limit Commercial Chemical SubstancesMAKGermany Maximum Concentration ValuesPRNTPresumed Not ToxicGHSGlobally Harmonized System on CancerRCRAResource Conservation Recovery ActIARCInternational Agency for Research on CancerTLVThreshold Limit ValueIENCSJapan, Inventory of Existing Chemical Substances in ChinaTWATime Weighted AverageENCSJapan, Inventory of Existing Chemical SubstancesTWATime Weighted AverageKECIKorea, Existing Chemical New Chemical SubstancesTWATime Weighted AverageIENCSJapan, Inventory of Existing and New Chemical SubstancesTWATime Weighted AverageENCSJapan, Inventory of Existing	ACGIH		LD50	
ListMCSHNational Institute for Occupational Safety & HealthNDSLCanada, Non-Domestic Substances ListNIOSHNational Institute for Occupational Safety & HealthCNSCentral Nervous SystemNTPNational Toxicology ProgramCASChemical Abstract ServiceNZIoCNew Zealand Inventory of ChemicalsEC50Effective ConcentrationNOAELNo Observable Adverse Effect LevelEC50Effective Concentration 50%NOECNo Observed Effect ConcentrationEGESTEOSCA Generic Exposure Scenario ToolOSHAOccupational Safety & Health AdministrationEOSCAEuropean Oilfield Specialty Chemical SubstancesPELPermissible Exposure Limit Commercial Chemical SubstancesMAKGermany Maximum Concentration ValuesPRNTPresumed Not ToxicSHSGlobally Harmonized SystemRCRAResource Conservation Recovery Act>=Greater Than or Equal ToSTELShort-term Exposure LimitIC50Inhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVTime Weighted AverageEINCSJapan, Inventory of Existing and New Chemical SubstancesTSCAToxic Substance Control Act Biological MaterialsENCSJapan, Inventory of Existing Chemical Substances in ChinaTWATime Weighted AverageENCSLess Than or Equal ToWHMISWorkplace Hazardous MaterialsInventoryListing Chemical Substances <td></td> <td>Substances</td> <td>LOAEL</td> <td>Level</td>		Substances	LOAEL	Level
Substances ListSafety & HealthCNSCentral Nervous SystemNTPNational Toxicology ProgramCASChemical Abstract ServiceNZloCNew Zealand Inventory of ChemicalsEC50Effective ConcentrationNOAELNo Observable Adverse Effect LevelEC50Effective Concentration 50%NOECNo Observed Effect ConcentrationEGESTEOSCA Generic Exposure Scenario ToolOSHAOccupational Safety & Health AdministrationEOSCAEuropean Oilfield Specialty Chemicals AssociationPELPermissible Exposure LimitEINECSEuropean Inventory of Existing Chemical SubstancesPICCSPhilippines Inventory of Commercial Chemical SubstancesMAKGermany Maximum Concentration ValuesPRNTPresumed Not ToxicGHSGlobally Harmonized SystemRCRAResource Conservation Recovery Act>=Greater Than or Equal ToSTELShort-term Exposure LimitICSOInhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVThreshold Limit ValueIECSCInventory of Existing Chemical Substances in ChinaTSCAToxic Substance Control ActKECIKorea, Existing Chemical New Chemical SubstancesUVCBUnknown or Variable Composition, Complex Reaction Products, and Biological Materialse=Less Than or Equal ToWHMISWorkplace Hazardous Materials Information System		List	NFPA	National Fire Protection Agency
CASChemical Abstract ServiceNZIoCNew Zealand Inventory of ChemicalsEC50Effective ConcentrationNOAELNo Observable Adverse Effect LevelEC50Effective Concentration 50%NOECNo Observable Adverse Effect LevelEC50Effective Concentration 50%NOECNo Observed Effect Concentration Concupational Safety & Health AdministrationEGESTEOSCA Generic Exposure Scenario ToolOSHAOccupational Safety & Health AdministrationEOSCAEuropean Oilfield Specialty Chemical SubstancesPELPermissible Exposure LimitEINECSEuropean Inventory of Existing Chemical SubstancesPICCSPhilippines Inventory of Commercial Chemical SubstancesMAKGermany Maximum Concentration ValuesPRNTPresumed Not ToxicGHSGlobally Harmonized System Inhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVThreshold Limit ValueIECSCInventory of Existing Chemical Substances in ChinaTSCAToxic Substance Control ActKECIKorea, Existing Chemical New Chemical SubstancesUVCBUnknown or Variable Composition, Complex Reaction Products, and Biological Materials<	NDSL		NIOSH	Safety & Health
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EC50Effective Concentration 50%NOECNo Observed Effect ConcentrationEGESTEOSCA Generic Exposure Scenario ToolOSHAOccupational Safety & Health AdministrationEOSCAEuropean Oilfield Specialty Chemicals AssociationPELPermissible Exposure LimitEINECSEuropean Inventory of Existing Chemical SubstancesPICCSPhilippines Inventory of Commercial Chemical SubstancesMAKGermany Maximum Concentration ValuesPRNTPresumed Not ToxicGHSGlobally Harmonized System Inhibition Concentration 50%STELShort-term Exposure LimitIC50Inhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVThreshold Limit ValueENCSSJapan, Inventory of Existing Chemical Substances in ChinaTSCAToxic Substance Control ActKECIKorea, Existing Chemical New Chemical SubstancesUVCBUnknown or Variable Composition, Complex Reaction Products, and Biological Materials<=			NZIoC	New Zealand Inventory of Chemicals
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Act>=Greater Than or Equal ToSTELShort-term Exposure LimitIC50Inhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVThreshold Limit ValueIECSCInventory of Existing Chemical Substances in ChinaTWATime Weighted AverageENCSJapan, Inventory of Existing and New Chemical SubstancesTSCAToxic Substance Control ActKECIKorea, Existing Chemical InventoryUVCBUnknown or Variable Composition, Complex Reaction Products, and Biological Materials<=	MAK		PRNT	Presumed Not Toxic
IC50Inhibition Concentration 50%SARASuperfund Amendments and Reauthorization Act.IARCInternational Agency for Research on CancerTLVThreshold Limit ValueIECSCInventory of Existing Chemical Substances in ChinaTWATime Weighted AverageENCSJapan, Inventory of Existing and New Chemical SubstancesTSCAToxic Substance Control ActKECIKorea, Existing Chemical InventoryUVCBUnknown or Variable Composition, Complex Reaction Products, and Biological Materials<=	GHS	Globally Harmonized System	RCRA	•
IC50 Inhibition Concentration 50% SARA Superfund Amendments and Reauthorization Act. IARC International Agency for Research on Cancer TLV Threshold Limit Value IECSC Inventory of Existing Chemical Substances in China TWA Time Weighted Average ENCS Japan, Inventory of Existing and New Chemical Substances TSCA Toxic Substance Control Act KECI Korea, Existing Chemical Inventory UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials <=	>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
on Cancer TWA IECSC Inventory of Existing Chemical Substances in China TWA ENCS Japan, Inventory of Existing and New Chemical Substances TSCA KECI Korea, Existing Chemical Inventory UVCB UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials <=	IC50	Inhibition Concentration 50%	SARA	Superfund Amendments and
Substances in China TSCA ENCS Japan, Inventory of Existing and New Chemical Substances TSCA Toxic Substance Control Act KECI Korea, Existing Chemical Inventory UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials <=	IARC		TLV	Threshold Limit Value
ENCS Japan, Inventory of Existing and New Chemical Substances TSCA Toxic Substance Control Act KECI Korea, Existing Chemical Inventory UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials <=	IECSC		TWA	Time Weighted Average
KECI Korea, Existing Chemical Inventory UVCB Unknown or Variable Composition, Complex Reaction Products, and Biological Materials <=	ENCS	Japan, Inventory of Existing and	TSCA	Toxic Substance Control Act
Information System	KECI	KECI Korea, Existing Chemical		Complex Reaction Products, and Biological Materials
	<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials
	LC50	Lethal Concentration 50%		