

## Liquid HE® 150 Polymer XPT

Version 1.8

Revision Date 2020-02-06

According to Regulation (EC) No. 1907/2006, Regulation (EC) No. 2015/830

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1

#### Product information

Product Name

: Liquid HE® 150 Polymer XPT

#### EC-No.Registration number

Chemical name	CAS-No. EC-No. Index No.	Legal Entity Registration number
Acrylamide	79-06-1 201-173-7 616-003-00-0	Chevron Phillips Chemicals International NV 01-2119463260-48-0011
2-Acrylamido-2- Methylpropane Sulfonic Acid, Sodium Salt	5165-97-9 225-948-4	Chevron Phillips Chemicals International NV 01-2119495270-39-0016
Isoprene	78-79-5 201-143-3 601-014-00-5	Chevron Phillips Chemicals International NV 01-2119457891-29-0009
Styrene	100-42-5 202-851-5 601-026-00-0	Chevron Phillips Chemicals International NV 01-2119457861-32-0005
Hydrocarbons, C11- C14, n-alkanes, isoalkanes, cyclic, <2% aromatics		Chevron Phillips Chemicals International NV 01-2119456620-43-0010

#### 1.2

Relevant identified uses of the substance or mixture and uses advised against

Relevant Identified Uses	:	Use in Oil and Gas field drilling and production operations -
Supported		Industrial

1.3 Details of the supplier of	the safety data sheet
Company	<ul> <li>Chevron Phillips Chemical Company LP Drilling Specialties Company LLC 10001 Six Pines Drive The Woodlands, TX 77380</li> </ul>
Local	: Chevron Phillips Chemicals International N.V.
SDS Number:100000014523	1/12

Liquid HE® 150 Polymer XPT  Version 1.8  Version 1.8  Airport Plaza (Stockholm Building) Leonardo Da Vincilian 19 1831 Diegem Belgium SDS Requests: (800) 852-5530 Technical Information: (822) 813-4862 Responsible Party: Product Safety Group Email:sds@cpchem.com  1.4  Emergency telephone: Health: 866.442.9628 (North America) 1.832 813.4984 (International) Transport: CHEMTRC 800.424.9300 or 703.527.3887(intf)) Asia: CHEMVATCH (#612 9186 1132) China: 0532 8388 9090 EUROPE: BIG +32.14.584454 (phone) or +32.14583516 (leelfax) Mexico CHEMTREC 800.424.9303 or 703.527.3887(intf)) Asia: CHEMVATCH (#612 9186 1132) China: 0532 8388 9090 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (leelfax) Mexico CHEMTREC 10:400-000 F331 (24 hours) South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 Responsible Department :: Product Safety and Toxicology Group E-mail address :: SDS@CPChem.com Website :: www.CPChem.com SECTION 2: Hazards identification 2.1 Classification of the substance or mixture REGULATION (EC) No 1272/2008 Not a hazardous substance or mixture. Additional Labeling: EUH210 Safety data sheet available on request. SECTION 3: Composition/information on ingredients 3.1 - 3.2 Substance or Mixture Synonyms :: HE® 150 Liquid Liquid Acid Gelling Agent Molecular formula :: Mixture			SAFETY DATA SHEET
Airport Plaza (Stockholm Building) Leonardo Da Vincilaan 19 1831 Diegem Belgium SDS Requests: (800) 852-5530 Technical Information: (832) 813-4862 Responsible Party: Product Safety Group Email:sds@cpchem.com 1.4 Emergency telephone: Health: 866-442.9628 (North America) 1.832.813.4984 (International) Transport: CHEMTRCC 800.424.9300 or 703.527.3887(int!) Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax) Mexico CHEMTREC 01:400.45451 (24 hours) South America SOS-Coteo Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600 Argentina: +(54)-1159839431 Responsible Department : Product Safety and Toxicology Group E-mail address : SDS@CPChem.com Website : www.CPChem.com Section 2: Hazards Identification 2:1 Classification of the substance or mixture REGULATION (EC) No 1272/2008 Not a hazardous substance or mixture. 2:2 Labeling (REGULATION (EC) No 1272/2008) Not a hazardous substance or mixture. Additional Labeling: EUH210 Safety data sheet available on request. SECTION 3: Composition/Information on ingredients 3:1-3.2 Substance or Mixture Synonyms : HE® 150 Liquid Liquid Acid Gelling Agent	Liquid HE® 150 Polymer	ХРТ	
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Emergency telephone:         Health:         866.442.9628 (North America)         1.832.813.4984 (International)         Transport:         CHEMTREC 800.424.9300 or 703.527.3887(int1)         Asia: CHEMWATCH (+612 9186 1132) China: 0532 8388 9090         EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)         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         Responsible Department : Product Safety and Toxicology Group         E-mail address : SDS@CPChem.com         Website : www.CPChem.com         SECTION 2: Hazards identification         21         Classification of the substance or mixture         REGULATION (EC) No 1272/2008         Not a hazardous substance or mixture.         Additional Labeling:         EUH210 Safety data sheet available on request.         Stubstance or Mixture         Synonyms : HE® 150 Liquid         Liquid Acid Gelling Agent		Technical Information: (832) 813-4862 Responsible Party: Product Safety Grou	qt
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Substance or Mixture Synonyms : HE® 150 Liquid Liquid Acid Gelling Agent	SECTION 3: Composition/informat	ion on ingredients	
Molecular formula : Mixture	Substance or Mixture		
	Molecular formula :	Mixture	
Hazardous ingredients	Hazardous ingredients		

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Chemical name		CAS-No. EC-No. Index No.	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics			Asp. Tox. 1; H304	30 - 60
For the full text of the H-State	eme	ents mentioned	d in this Section, see Sectio	n 16.
SECTION 4: First aid measures				
4.1 Description of first-aid mea	asui	res		
General advice	:	No hazards	which require special first ai	d measures.
If inhaled	:		us, place in recovery positio mptoms persist, call a phys	
In case of skin contact	:	If on skin, rin	se well with water. If on clo	thes, remove clothes.
In case of eye contact	:	lenses. Prot	vith water as a precaution. ect unharmed eye. Keep e re irritation persists, consult	ye wide open while
If swallowed	:	beverages.	tory tract clear. Do not give Never give anything by mou mptoms persist, call a phys	ith to an unconscious
SECTION 5: Firefighting measu	res			
Flash point	:	>77°C (>17 <sup>.</sup> Method: AST		
Autoignition temperature	:	225°C (437°	°F)	
5.1 Extinguishing media				
Suitable extinguishing media	:	Carbon dioxi	de (CO2).	
Unsuitable extinguishing media	:	High volume	water jet.	
5.2 Special hazards arising fro Specific hazards during fire fighting	om t	Standard pro	cedure for chemical fires.	
ngnung			at are appropriate to local c environment.	incumstances and the
5.3 Advice for firefighters Special protective equipment for fire-fighters	:	surrounding		
5.3 Advice for firefighters Special protective	:	surrounding Wear self-co necessary. For safety re	environment.	s for firefighting if should be stored

ic	quid HE® 150 Polym	٥r	SAFETY DATA SHEE
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			fully closed containers.
	Fire and explosion protection	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
<b>SEC</b>	CTION 6: Accidental release	me	asures
5.1			
	Personal precautions, prot	ecti	ve equipment and emergency procedures
	Personal precautions	:	Use personal protective equipment. Ensure adequate ventilation.
5.2	Environmental precautions	5	
	Environmental precautions	:	Prevent further leakage or spillage if safe to do so.
5.3	<b>Methods and materials for</b> Methods for cleaning up	cor :	Atainment and cleaning up Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local / national regulations (see section 13). Keep in suitable, closed containers for disposal.
6.4	Reference to other sections	S	
	Reference to other sections	:	For personal protection see section 8. For disposal considerations see section 13.
			s not required for the environment. s not required for human health.
SEC	CTION 7: Handling and stora	ge	
<b>7.1</b>	Precautions for safe handli Handling	ing	
	Advice on safe handling	:	Avoid formation of aerosol. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Provide sufficient air exchange and/or exhaust in work rooms. Dispose of rinse water in accordance with local and national regulations.
	Advice on protection against fire and explosion	:	Do not spray on an open flame or any other incandescent material. Keep away from open flames, hot surfaces and sources of ignition.
7.2	Conditions for safe storage	ə, in	cluding any incompatibilities
	Storage		
	De minere entre formatione	:	No smoking. Keep in a well-ventilated place. Observe label
	Requirements for storage areas and containers		precautions. Electrical installations / working materials must comply with the technological safety standards.

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#### **SECTION 8: Exposure controls/personal protection**

8.2

#### Exposure controls Engineering measures

Adequate ventilation to control airborned concentrations below the exposure guidelines/limits. 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	:	Wear a supplied-air NIOSH approved respirator unless ventilation or other engineering controls are adequate to maintain minimal oxygen content of 19.5% by volume under normal atmospheric pressure. Wear a NIOSH approved respirator that provides protection when working with this material if exposure to harmful levels of airborne material may occur, such as:. Air-Purifying Respirator for Organic Vapors, Dusts and Mists. Use a positive pressure, air-supplying respirator if there is potential for uncontrolled release, exposure levels are not known, or other circumstances where air- purifying respirators may not provide adequate protection. HEPA Filtered Respirators.
Hand protection	:	The suitability for a specific workplace should be discussed with the producers of the protective gloves. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	:	Eye wash bottle with pure water. Tightly fitting safety goggles.
Skin and body protection	:	Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. Wear as appropriate:. Flame retardant protective clothing. Footwear protecting against chemicals.
Hygiene measures	:	Wash hands before breaks and at the end of workday.
•		s not required for the environment. s not required for human health.

SECTION 9: Physical and chemical properties

9.1

Information on basic physical and chemical properties

#### Appearance

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Physical state Color Odor	: Liquid : Opaque : Slight hydrocarbon	
Safety data		
Flash point	: >77°C (>171°F) Method: ASTM D 93	
Lower explosion limit	: 0,6 %(V)	
Upper explosion limit	: 5,1 %(V)	
Oxidizing properties	: No	
Autoignition temperature	: 225°C (437°F)	
Molecular formula	: Mixture	
Molecular weight	: Not applicable	
рН	: 7	
Boiling point/boiling range	: 208°C (406°F)	
Vapor pressure	: < 1,00 MMHG at 20°C (68°F)	
Relative density	: 0,96	
Density	: 958,6 g/l	
Water solubility	: dispersible	
Partition coefficient: n-	: No data available	
octanol/water Viscosity, dynamic	: 20.000 cP	
Viscosity, kinematic	: 71,821 mm2/s at 40°C (104°F)	
Relative vapor density	: 6,2 (Air = 1.0)	
Evaporation rate	: 0,1	
TION 10: Stability and reac	ivity	

10.1

**Reactivity** : Stable at normal ambient temperature and pressure.

10.2

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Chemical stability	: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
10.3	
Possibility of hazardous reac	tions
Hazardous reactions	: Further information: No decomposition if stored and applied as directed.
	Hazardous reactions: Vapors may form explosive mixture with air.
I0.4 Conditions to avoid	: Heat, flames and sparks.
10.5 Materials to avoid 10.6	: No data available.
Other data	: No decomposition if stored and applied as directed.
1.1 Information on toxicological e	
11.1	
11.1 Information on toxicological of Acute oral toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	effects : LD50: >5.000 mg/kg
I1.1 Information on toxicological e Acute oral toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic,	effects : LD50: > 5.000 mg/kg
I1.1 Information on toxicological of Acute oral toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics Acute inhalation toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic,	<ul> <li>effects</li> <li>: LD50: &gt; 5.000 mg/kg Species: Rat</li> <li>: LC50: &gt; 5 mg/l Exposure time: 8 h Species: Rat Test atmosphere: vapor</li> </ul>
11.1 Information on toxicological of Acute oral toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics Acute inhalation toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	effects : LD50: > 5.000 mg/kg Species: Rat : LC50: > 5 mg/l Exposure time: 8 h Species: Rat Test atmosphere: vapor Method: OECD Test Guideline 403
<ul> <li>Information on toxicological e</li> <li>Acute oral toxicity</li> <li>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, &lt;2% aromatics</li> <li>Acute inhalation toxicity</li> <li>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, &lt;2% aromatics</li> <li>Acute dermal toxicity</li> <li>Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclic, &lt;2% aromatics</li> </ul>	effects : LD50: > 5.000 mg/kg Species: Rat : LC50: > 5 mg/l Exposure time: 8 h Species: Rat Test atmosphere: vapor Method: OECD Test Guideline 403 : LD50: > 5.000 mg/kg Species: Rabbit
Acute oral toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics Acute inhalation toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics Acute dermal toxicity Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics Liquid HE® 150 Polymer XPT Aspiration toxicity Liquid HE® 150 Polymer XPT	effects : LD50: > 5.000 mg/kg Species: Rat : LC50: > 5 mg/l Exposure time: 8 h Species: Rat Test atmosphere: vapor Method: OECD Test Guideline 403 : LD50: > 5.000 mg/kg Species: Rabbit : No aspiration toxicity classification.

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	Toxicity to fish	
	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	: LL0: 1.000 mg/l Exposure time: 96 h Species: Oncorhynchus mykiss (rainbow trout)
	Toxicity to daphnia and othe	r aquatic invertebrates
	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	: EL0: 1.000 mg/l Exposure time: 48 h Species: Daphnia magna (Water flea)
	Toxicity to algae	
	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	: EL50: 1.000 mg/l Exposure time: 72 h Species: Pseudokirchneriella subcapitata (green algae)
1	2.2 Persistence and degradabili	ty
	Biodegradability	: Taking into consideration the properties of several ingredients, the product is estimated not to be readily biodegradable according to OECD classification.
1	2.3	
	Bioaccumulative potential Elimination information (persis	tence and degradability)
	Bioaccumulation	
	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics	: This material is not expected to bioaccumulate.
1	2.4 Mobility in soil	
	Mobility	
	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics 2.5	: After release, disperses into the air.
1	Results of PBT and vPvB as	sessment
	Results of PBT assessment	: This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.
1	2.6	
	Other adverse effects Additional ecological information	: This material is not expected to be harmful to aquatic organisms.
	Ecotoxicology Assessment	
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Short-term (acute) aquatic hazard	: This material is not expected to be harmful to aquatic organisms.	
Long-term (chronic) aquatic hazard	: This material is not expected to be harmful to aquatic organisms.	

#### **SECTION 13: Disposal considerations**

#### 13.1

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#### Waste treatment methods

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

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by US EPA under RCRA (40 CFR 261) or other State and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

Product	: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used contained Send to a licensed waste management company.	r.
Contaminated packaging	: Empty remaining contents. Dispose of as unused product. Do not re-use empty containers. Do not burn, or use a cuttin torch on, the empty drum.	ıg

A quantitative risk assessment is not required for the environment. A quantitative risk assessment is not required for human health.

#### **SECTION 14: Transport information**

#### 14.1 - 14.7

#### Transport information

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.

Testing (ASTM D4206) has shown product does not sustain combustion.

#### 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

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TRANSPORTATION BY THIS AGENCY.

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.				
Transport in bulk according	to Annex II of MARPOL 73/78 and the IBC Code			
<b>SECTION 15: Regulatory inf</b>	ormation			
15.1 Safety, health and envi National legislation	onmental regulations/legislation specific for the substance or mixture			
Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)				
15.2 Chemical Safety Asses	sment			
-	Hydrocarbons, C11-C14, n- alkanes, isoalkanes, cyclic, <2% aromatics			
Major Accident Hazard Legislation	: ZEU_SEVES3 Update: Not applicable			
Notification status Europe REACH	: This mixture contains only ingredients which have been registered according to Regulation (EU) No. 1907/2006			
Switzerland CH INV United States of America TSCA	<ul> <li>(REACH).</li> <li>Not in compliance with the inventory</li> <li>(USA) : Substance(s) not listed on TSCA inventory</li> </ul>			
Canada DSL	: This product contains one or several components that are not on the Canadian DSL nor NDSL.			
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## Liquid HE® 150 Polymer XPT

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Australia AICS	:	Not in compliance with the inventory
New Zealand NZIoC	:	Not in compliance with the inventory
Japan ENCS	:	Not in compliance with the inventory
Korea KECI	:	Not in compliance with the inventory
Philippines PICCS	:	Not in compliance with the inventory
China IECSC	:	Not in compliance with the inventory
Taiwan TCSI	:	Not in compliance with the inventory
		- · · · ·

#### **SECTION 16: Other information**

NFPA Classification : Health Hazard: 1 Fire Hazard: 2 Reactivity Hazard: 0



Legacy SDS Number :

: CPC00467

Significant changes since the last version are highlighted in the margin. This version replaces all previous versions.

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	LD50	Lethal Dose 50%
	Government Industrial Hygienists		
AICS	Australia, Inventory of Chemical	LOAEL	Lowest Observed Adverse Effe
	Substances		Level
DSL	Canada, Domestic Substances	NFPA	National Fire Protection Agency
	List		
NDSL	Canada, Non-Domestic	NIOSH	National Institute for Occupation
	Substances List		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 Concentrat
EGEST	EOSCA Generic Exposure	OSHA	Occupational Safety & Health
	Scenario Tool		Administration
EOSCA	European Oilfield Specialty	PEL	Permissible Exposure Limit
	Chemicals Association		
EINECS	European Inventory of Existing	PICCS	Philippines Inventory of
	Chemical Substances		Commercial Chemical Substan
MAK	Germany Maximum Concentration	PRNT	Presumed Not Toxic
	Values		
GHS	Globally Harmonized System	RCRA	Resource Conservation Recove
GHS	14.400	RCRA	Resource Conservation Re

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			Act
>=	Greater Than or Equal To	STEL	Short-term Exposure Limit
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
<=	Less Than or Equal To	WHMIS	Workplace Hazardous Materials Information System
LC50	Lethal Concentration 50%		

Full text of H-Statements referred to under sections 2 and 3.

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