



Diesel Cetane Check Fuel, high

Version 2.6

Revision Date 2011-08-15

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product information

Trade name : Diesel Cetane Check Fuel, high
 Material : 1024264, 1024267, 1024265, 1024266, 1024263, 1104936

EC-No.Registration number

Chemical Name	CAS-No. Index-No.	Legal Entity Registration number
Diesel fuel	68476-34-6 649-227-00-2	Chevron Phillips Chemicals International NV Pre-Registered
Distillate (Petroleum), Alkylate	64741-73-7 649-419-00-6	Chevron Phillips Chemicals International NV Pre-Registered
Alkanes, C14-C16	90622-46-1	Chevron Phillips Chemicals International NV Pre-Registered
Distillates (petroleum), Hydrotreated light Paraffinic	64742-55-8 649-468-00-3	Chevron Phillips Chemicals International NV 01-2119487077-29-0013

Company : Specialty Chemicals
 10001 Six Pines Drive
 The Woodlands, TX 77380

Local : Chevron Phillips Chemicals International N.V.
 Brusselsesteenweg 355
 B-3090 Overijse
 Belgium

MSDS Requests: (800) 852-5530
 Technical Information: (832) 813-4862
 Responsible Party: Product Safety Group
 Email:msds@cpchem.com

Emergency telephone:

Health:

866.442.9628 (North America)
 1.832.813.4984 (International)

Transport:

North America: CHEMTREC 800.424.9300 or 703.527.3887
 Asia: +800 CHEMCALL (+800 2436 2255) China: 0532.8388.9090
 EUROPE: BIG +32.14.584545 (phone) or +32.14583516 (telefax)
 Chemcare Asia: Tel: +65 6848 9048 - Mob: +65 8382 9188 - Fax: +65 6848
 South America SOS-Cotec Inside Brazil: 0800.111.767 Outside Brazil: +55.19.3467.1600

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Responsible Department : Product Safety and Toxicology Group
 E-mail address : MSDS@CPChem.com
 Website : www.CPChem.com

2. HAZARDS IDENTIFICATION**Classification of the substance or mixture****Classification (REGULATION (EC) No 1272/2008)**

Flammable liquids, Category 3	H226: Flammable liquid and vapor.
Skin irritation, Category 2	H315: Causes skin irritation.
Carcinogenicity, Category 2	H351: Suspected of causing cancer.
Specific target organ systemic toxicity - repeated exposure, Category 2	H373: May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard, Category 1	H304: May be fatal if swallowed and enters airways.
Chronic aquatic toxicity, Category 2	H411: Toxic to aquatic life with long lasting effects.

Classification (67/548/EEC, 1999/45/EC)

Flammable	R10: Flammable.
Carcinogenic Category 2	R45: May cause cancer.
Harmful	R65: Harmful: may cause lung damage if swallowed.
Irritant	R38: Irritating to skin.
Dangerous for the environment	R52/53: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
	R67: Vapors may cause drowsiness and dizziness.

Label elements**Labeling (REGULATION (EC) No 1272/2008)**

Hazard pictograms :



Signal Word : Danger

Hazard Statements	:	H226	Flammable liquid and vapor.
		H304	May be fatal if swallowed and enters airways.
		H315	Causes skin irritation.
		H351	Suspected of causing cancer.
		H373	May cause damage to organs through prolonged or repeated exposure.
		H411	Toxic to aquatic life with long lasting effects.

Precautionary Statements	:	Prevention:	
		P210	Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
		P260	Do not breathe dust/fume/gas/mist/vapor/spray.
		P273	Avoid release to the environment.
		P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
			Response:
		P301 + P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.

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P331 Do NOT induce vomiting.
Storage:
 P403 + P235 Store in a well-ventilated place. Keep cool.

Hazardous ingredients which must be listed on the label:

- 68476-34-6 Diesel fuel
- 91-20-3 Naphthalene

Other hazards

May cause cancer.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : Diesel Special Test Fuel
 High Cetane Check Fuel Diesel

Molecular formula : Mixture

Mixtures**Hazardous ingredients**

Chemical Name	CAS-No. EINECS-No.	Classification (67/548/EEC)	Classification (REGULATION (EC) No 1272/2008)	Concentration [wt%]
Diesel fuel	68476-34-6 270-676-1	Carc.Cat.3; R40 R38 R67 R52/53 R10 R66 R65	Carc. 2; H351 Flam. Liq. 3; H226 Aquatic Chronic 2; H411 Asp. Tox. 1; H304 Skin Irrit. 2; H315	50 - 100
C14-C16 Normal Paraffin	90622-46-1			0 - 30
Naphthalene	91-20-3 202-049-5	Carc.Cat.3; R40 Xn; R22 N; R50-R53	Carc. 2; H351 Aquatic Acute 1; H400 Aquatic Chronic 1; H410 Flam. Sol. 2; H228 Acute Tox. 4; H302 STOT RE 1; H372	1 - 5

EC-No.Registration number

Chemical Name	CAS-No. EINECS-No.	Registration number

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Diesel fuel	68476-34-6 270-676-1	Pre-Registered
Distillate (Petroleum), Alkylate	64741-73-7 265-074-0	Pre-Registered
Alkanes, C14-C16	90622-46-1 292-448-0	Pre-Registered
Distillates (petroleum), Hydrotreated light Paraffinic	64742-55-8 265-158-7	01-2119487077-29-0013

For the full text of the R-phrases mentioned in this Section, see Section 16.

For the full text of the H-Statements mentioned in this Section, see Section 16.

4. FIRST AID MEASURES

- General advice : Consult a physician.
- In case of skin contact : Take off contaminated clothing and shoes immediately. If on skin, rinse well with water. If on clothes, remove clothes.
- In case of eye contact : Remove contact lenses. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.

5. FIRE-FIGHTING MEASURES

- Flash point : > 47 °C (> 117 °F)
- Autoignition temperature : No data available
- Specific hazards during fire fighting : Do not use a solid water stream as it may scatter and spread fire. Cool closed containers exposed to fire with water spray.
- Special protective equipment for fire-fighters : In the event of fire, wear self-contained breathing apparatus.
- Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Fire and explosion protection : Keep away from heat and sources of ignition. Keep away from combustible material.
- Hazardous decomposition products : Hydrocarbons. Carbon oxides.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Material can create slippery conditions.
- Environmental precautions : Local authorities should be advised if significant spillages cannot be contained.
- Methods for cleaning up : Keep in suitable, closed containers for disposal. Clean

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contaminated floors and objects thoroughly while observing environmental regulations.

7. HANDLING AND STORAGE**Handling**

Advice on safe handling : Avoid contact with skin and eyes. For personal protection see section 8. Smoking, eating and drinking should be prohibited in the application area. Keep away from heat.

Advice on protection against fire and explosion : Keep away from heat and sources of ignition. Keep away from combustible material.

Storage**8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Ingredients with workplace control parameters****LT**

Komponentai	Pagrindas, bazė	Vertė	Kontrolės parametrai	Pastaba
Naphthalene	LT OEL	IPRD	10 ppm, 50 mg/m3	

LU

Composants	Base	Valeur	Paramètres de contrôle	Note
Naphthalene	LU OEL	TWA	10 ppm, 50 mg/m3	

LV

Sastāvdaļas	Bāze	Vērtība	Pārvaldības parametri	Piezīme
Naphthalene	LV OEL	AER 8 st	10 ppm, 50 mg/m3	

NL

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Naphthalene	NL MAC	TGG-8 uur	50 mg/m3	
	NL MAC	TGG-15 min	80 mg/m3	

PL

Składniki	Podstawa	Wartość	Parametry dotyczące kontroli	Uwaga
Naphthalene	PL NDS	NDS	20 mg/m3	
	PL NDS	NDSch	50 mg/m3	

PT

Componentes	Bases	Valor	Parâmetros de controlo	Nota
Diesel fuel	PT OEL	VLE-MP	100 mg/m3	P, A3,
Naphthalene	PT OEL	VLE-MP	10 ppm,	(1), P, A4,
	PT OEL	VLE_CD	15 ppm,	(1), P, A4,

- (1) Abrangido por legislação nacional específica ou por legislação comunitária não transposta
 A3 Agente carcinogénico confirmado nos animais de laboratório com relevância desconhecida no Homem
 A4 Agentes não classificáveis como carcinogénicos no Homem
 P Perigo de absorção cutânea

SE

Beståndsdelar	Grundval	Värde	Kontrollparametrar	Anmärkning
Naphthalene	SE AFS	NGV	10 ppm, 50 mg/m3	
	SE AFS	KTV	15 ppm, 80 mg/m3	

SI

Komponente	Osnova	Vrednost	Parametri nadzora	Pripomba
Naphthalene	SI OEL	MV	10 ppm, 50 mg/m3	EU,

EU European Union - mejna vrednost določena na ravni Evropske unije

SK

Súčasť	Podstata	Hodnota	Kontrolné parametre	Poznámka

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Naphthalene	SK OEL	NPEL	10 ppm, 50 mg/m3	K,
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K Znamená, že faktor môže byť ľahko absorbovaný kožou. Niektoré faktory, ktoré ľahko prenikajú kožou, môžu spôsobovať až smrteľné otravy, často bez varovných príznakov (napr. anilín, nitrobenzén, nitroglykol, fenoly a pod.). Pri látkach s významným prienikom cez kožu, éi už v podobe kvapalín alebo pár, je osobitne dôležité zabrániť kožnému kontaktu.

AT

Inhaltsstoffe	Basis	Wert	Zu überwachende Parameter	Bemerkung
Naphthalene	AT OEL	TMW	10 ppm, 50 mg/m3	H,

H Besondere Gefahr der Hautresorption

BE

Bestanddelen	Basis	Waarde	Controleparameters	Opmerking
Naphthalene	BE OEL	TGG 8 hr	10 ppm, 53 mg/m3	D,
	BE OEL	TGG 15 min	15 ppm, 80 mg/m3	D,

D Opname van het agens via de huid, de slijmvliezen of de ogen vormt een belangrijk deel van de totale blootstelling. Deze opname kan het gevolg zijn van zowel direct contact als zijn aanwezigheid in de lucht.

CZ

Složky	Základ	Hodnota	Kontrolní parametry	Poznámka
Naphthalene	CZ OEL	PEL	50 mg/m3	
	CZ OEL	NPK-P	100 mg/m3	

DK

Komponenter	Basis	Værdi	Kontrolparametre	Note
Naphthalene	DK OEL	GV	10 ppm, 50 mg/m3	K, E,

E At stoffet har en EF-grænseværdi

K Betyder, at stoffet er optaget på listen over stoffer, der anses for at være kræftfremkaldende.

EE

Komponendid, osad	Alused	Väärtus	Kontrolliparameetrid	Märkused
Naphthalene	EE OEL	Piirnorm	10 ppm, 50 mg/m3	

ES

Componentes	Base	Valor	Parámetros de control	Nota
Naphthalene	ES VLA	VLA-ED	10 ppm, 53 mg/m3	vía dérmica,
	ES VLA	VLA-EC	15 ppm, 80 mg/m3	vía dérmica,

vía dérmica Vía dérmica

FI

Aineosat	Peruste	Arvo	Valvontaa koskevat muuttujat	Nota
Naphthalene	FI OEL	HTP-arvot 8h	1 ppm, 5 mg/m3	*
	FI OEL	HTP-arvot 15 min	2 ppm, 10 mg/m3	*

* Lisätty tai muutettu tähän painokseen

FR

Composants	Base	Valeur	Paramètres de contrôle	Note
Naphthalene	FR VLE	VME	10 ppm, 50 mg/m3	C3, normal,

C3 Substances préoccupants pour l'homme en raison d'effets cancérigènes possible
normal Valeurs limites indicatives

GR

Συστατικά	Βάση	Τιμή	Παράμετροι ελέγχου	Σημείωση
Naphthalene	GR OEL	TWA	10 ppm, 50 mg/m3	

HU

Komponensek	Bázis	Érték	Ellenőrzési paraméterek	Megjegyzés
Naphthalene	HU OEL	AK-érték	50 mg/m3	b, EU1, i,

b Bőrön át is felszívódik. Az AK-értékek a veszélyes anyagoknak ezt a tulajdonságát, illetve az ebből származó expozíciót csak a levegőben megengedett koncentrációjuk mértékének megfelelően veszik figyelembe

EU1 91/322/EGK irányelvben közölt érték

i Ingerlő anyag (izgatja a bőrt, nyálkahártyát, szemet vagy mindhármát)

IE

Ingredients	Basis	Value	Control parameters	Note
Naphthalene	IE OEL	OELV - 8 hrs (TWA)	10 ppm, 50 mg/m3	
	IE OEL	OELV - 15 min (STEL)	15 ppm, 75 mg/m3	

Personal protective equipment

Eye protection : Safety goggles.

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- Hygiene measures : Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. Remove contaminated clothing and protective equipment before entering eating areas.
- Protective measures : Wear suitable protective equipment. Avoid contact with skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES**Information on basic physical and chemical properties****Appearance**

- Physical state : Liquid
Color : Pale yellow to brown (if undyed), red to purple (dyed)
Odor : Mild

Safety data

- Flash point : > 47 °C (> 117 °F)
Lower explosion limit : No data available
Upper explosion limit : No data available
- Oxidizing properties : No
Autoignition temperature : No data available
Molecular formula : Mixture
Molecular Weight : not applicable
pH : not applicable
Pour point : No data available
Boiling point/boiling range : 191 - 343 °C (376 - 649 °F)
Vapor pressure : No data available
Relative density : 0,87, 16 °C(61 °F)
Water solubility : Negligible
Partition coefficient: n-octanol/water : No data available
Viscosity, kinematic : 2,55 cSt
at 40 °C (104 °F)
Relative vapor density : No data available
Evaporation rate : No data available
Percent volatile : > 99 %

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10. STABILITY AND REACTIVITY**Possibility of hazardous reactions**

- Conditions to avoid : No data available.
Extremes of temperature and direct sunlight.
- Materials to avoid : May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- Other data : This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

11. TOXICOLOGICAL INFORMATION**Diesel Cetane Check Fuel, high**

Acute oral toxicity : : > 5.000 mg/kg
Method: Calculation method

Acute inhalation toxicity

Naphthalene : LC50: >0.38 mg/m³Exposure time: 4 HR

Acute dermal toxicity

Diesel fuel : LD50: > 4.350 mg/kg
see user defined free text

Naphthalene : LD50: > 2.000 mg/kg
Species: rabbit

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Skin irritation : Irritating to skin.

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Eye irritation : May cause eye irritation.

Sensitization

Naphthalene : Classification: Did not cause sensitization on laboratory animals.

Repeated dose toxicity

Diesel fuel : Species: rat
Application Route: Dermal
Dose: 0, 435, 1740, 4350 mg/kg
Exposure time: 28 day
Number of exposures: daily, 5 days/week
Lowest observable effect level: 435 mg/kg

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Carcinogenicity

Diesel fuel : Species: mouse
Dose: 0, 50 ul
Exposure time: lifetime
Number of exposures: 2 times/wk
Remarks: Moderate dermal carcinogen

Naphthalene Species: mouse
Sex: male
Dose: 10, 30 ppm
Exposure time: 2 yrs

Species: mouse
Sex: female
Dose: 10, 30 ppm
Exposure time: 2 yrs
Remarks: increased incidence of alveolar/bronchiolar adenomas

Species: rat
Sex: male
Dose: 10, 30, 60 ppm
Exposure time: 2 yrs

Species: rat
Sex: female
Dose: 10, 30, 60 ppm
Exposure time: 2 yrs

Teratogenicity

Diesel fuel : Species: rat
Application Route: Inhalation
Dose: 0, 100, 400 ppm
Number of exposures: 6 h/d
Test period: GD 6-15
NOAEL Teratogenicity: 401.5 ppm
NOAEL Maternal: 401.5 ppm

Naphthalene Species: rabbit
Application Route: oral gavage
Dose: 40, 200, 400 mg/kg
Test period: 29 d, GD 6-18
NOAEL Teratogenicity: 400 mg/kg

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Aspiration toxicity : May be fatal if swallowed and enters airways.

12. ECOLOGICAL INFORMATION**Toxicity to fish**

Naphthalene : LC50: 3,2 mg/l
Exposure time: 96 HR
Species: Pimephales promelas (fathead minnow)

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Toxicity to daphnia and other aquatic invertebrates.

Diesel fuel : EC50: 12,99 mg/l
 Exposure time: 48 HR
 Species: Daphnia magna (Water flea)
 Method: OECD Test Guideline 202

Naphthalene LC50: 2,16 mg/l
 Exposure time: 48 HR
 Species: Daphnia magna (Water flea)

Toxicity to algae

Naphthalene : EC50: 2,96 mg/l
 Exposure time: 48 HR
 Species: Selenastrum capricornutum (algae)

Elimination information (persistence and degradability)

Biodegradability : This material is not expected to be readily biodegradable.

Further information on ecology**13. DISPOSAL CONSIDERATIONS**

The information in this MSDS 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 : Dispose of wastes in an approved waste disposal facility.

14. 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 MSDS and the bill of lading.

US DOT (United States Department of Transportation)

UN1202, DIESEL FUEL, , 3, III

IMO / IMDG (International Maritime Dangerous Goods)

UN1202, DIESEL FUEL, , 3, III, MARINE POLLUTANT (Naphthalene)
 , (> 47 °C)

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IATA (International Air Transport Association)

UN1202, DIESEL FUEL, , 3, III

ADR (Agreement on Dangerous Goods by Road (Europe))

UN1202, DIESEL FUEL, , 3, III, (D/E)

RID (Regulations concerning the International Transport of Dangerous Goods (Europe))

UN1202, DIESEL FUEL, , 3, III

ADN (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

UN1202, DIESEL FUEL, , 3, III

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

15. REGULATORY INFORMATION**National legislation****Major Accident Hazard Legislation**

: 96/82/EC Update: 2003
 Flammable.
 6
 Quantity 1: 5.000 t
 Quantity 2: 50.000 t

: 96/82/EC Update: 2003
 Petroleum products: (a) gasolines and naphthas, (b) kerosenes (including jet fuels), (c) gas oils (including diesel fuels, home heating oils and gas oil blending streams)
 13
 Quantity 1: 2.500 t
 Quantity 2: 25.000 t

Water contaminating class (Germany) : WGK 3 highly water endangering

Notification status

Europe REACH	: On the inventory, or in compliance with the inventory
United States of America US.TSCA	: On the inventory, or in compliance with the inventory
Canada DSL	: On the inventory, or in compliance with the inventory
Australia AICS	: Not in compliance with the inventory
New Zealand NZIoC	: Not in compliance with the inventory
Japan ENCS	: On the inventory, or in compliance with the inventory
Korea KECI	: On the inventory, or in compliance with the inventory
Philippines PICCS	: Not in compliance with the inventory
China IECSC	: Not in compliance with the inventory

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16. OTHER INFORMATION**Further information**

Legacy MSDS Number : CPC00523

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

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

The information provided in this Material 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.

Key or legend to abbreviations and acronyms used in the safety data sheet

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
EGEST	EOSCA Generic Exposure Scenario Tool	OSHA	Occupational Safety & Health Administration
EOSCA	European Oilfield Specialty Chemicals Association	PEL	Permissible Exposure Limit
EINECS	European Inventory of Existing Chemical Substances	PICCS	Philippines Inventory of Commercial Chemical Substances
MAK	Germany Maximum Concentration Values	PRNT	Presumed Not Toxic
GHS	Globally Harmonized System	RCRA	Resource Conservation Recovery 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%		

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Full text of R-phrases referred to under sections 2 and 3

R10	Flammable.
R22	Harmful if swallowed.
R38	Irritating to skin.
R40	Limited evidence of a carcinogenic effect.
R45	May cause cancer.
R50	Very toxic to aquatic organisms.
R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R53	May cause long-term adverse effects in the aquatic environment.
R65	Harmful: may cause lung damage if swallowed.
R66	Repeated exposure may cause skin dryness or cracking.
R67	Vapors may cause drowsiness and dizziness.

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

H226	Flammable liquid and vapor.
H228	Flammable solid
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H351	Suspected of causing cancer.
H372	Causes damage to organs through prolonged or repeated exposure.
H373	May cause damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.