

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

## 1. Product and company identification

### 1.1 Identification of the substance or preparation:

**Commercial product name:** Heal and Seal Deco 2K  
 Use of substance / preparation: Clear sealer for concrete and wood

### 1.2 Company/undertaking identification:

**Manufacturer/distributor:** Walttools  
 1246 Leah Rd  
 Morris, IL 60450

**Customer information:** Walttools  
 1246 Leah Rd  
 Morris, IL 60450 USA  
 InfoLine:  
 Tel (888-263-5895), Fax (815-941-2143)  
 Hours of operation:  
 Monday - Friday, 9am to 5 pm (central standard time)  
 Corporate website: www.walttools.com  
 888-263-5895  
 800-535-5053(Infotrac, USA)

**Emergency telephone no. (24h):**  
**Transportation emergency:**

This SDS was prepared by the Product Safety Department of Walttools

## 2. Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (GHS):

Class	Category	Route of exposure
Flammable liquids	Category 3	
Serious eye damage / eye irritation	Category 1	
Hazardous to the aquatic environment	acute, category 3	
Specific target organ toxicity (repeated exposure)	Category 2	

### 2.2 Label elements

#### Labelling (GHS):

Pictogram(s):



Signal Word: Danger

H-Code	Hazard Statements
H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H351	Suspected of causing cancer.
H373	May cause damage to organs through prolonged or repeated exposure.
H402	Harmful to aquatic life.

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K(A and B)

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

P-Code	Precautionary Statements
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233	Keep container tightly closed.
P243	Take precautionary measures against static discharge.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection.
P260	Do not breathe vapours/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.
P332+P313	If skin irritation occurs: Get medical advice/ attention.
P370+P378	In case of fire: use water spray, extinguishing powder, foam or carbon dioxide to extinguish.
P403+P235	Store in a well-ventilated place. Keep cool.
P501	Dispose of contents/container to waste disposal.

## 2.3 Other hazards

No data available.

## 3. Composition/information on ingredients

### 3.1 Chemical characterization (preparation)

General Chemical characteristics

Polysiloxane + water + xylene

### 3.2 Information on reportable ingredients:

Type	CAS No.	Substance	Content [wt. %]		Note
			Lower	Upper	
INHA	1330-20-7	Xylene		<35	Part A
INHA	9043-30-5	alpha-iso-tridecyl-omega-hydroxy polyglycoether		<20	Part B
INHA	78-93-3	Methyl ethyl ketone		<20	Part B

**Type:** HYD - by-product upon hydrolysis, INHA - ingredient, NEBE - by-product, MONO - residual monomer, VERU - impurity, VUL - by-product upon vulcanization. **\*\*\* Note:** C1 - IARC carcinogen, C2 - NTP carcinogen, C3 - OSHA carcinogen, NH - non-hazardous, R - reproductive toxin.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in this section are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

## 4. First-aid measures

### 4.1 General information:

Get medical attention if irritation or other symptoms occur. Remove contaminated clothing and shoes. Take a copy of the Safety Data Sheet when going for medical treatment.

### 4.2 After inhalation

If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

### 4.3 After contact with the skin

For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

### 4.4 After contact with the eyes

If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

### 4.5 After swallowing

For Ingestion, do not attempt to induce vomiting. Danger of aspiration. If swallowed, rinse mouth with water. Get medical attention immediately.

### 4.6 Advice for the physician

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

Treat symptomatically.

## 5. Fire-fighting measures

### 5.1 Flammable properties:

Property:	Value:	Method:
Flash point.....	45 °C (113 °F)	(ISO 3679)
Sustained combustibility.....	> 90 °C (> 194 °F)	(ISO 9038)
Boiling point / boiling range .....	> 93 °C (> 199 °F)	
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Ignition temperature .....	450 °C (842 °F)	(DIN 51794)
NFPA Hazard Class (comb./flam.liquid).....	II	

### 5.2 Fire and explosion hazards:

Caution! OSHA Combustible liquid and vapor. Ignitable vapors may be released during processing or curing. Consider possible formation of explosive mixtures with air, for example in uncleaned containers.

### 5.3 Recommended extinguishing media:

water-mist , carbon dioxide, dry chemical or foam-type extinguishing media .

### 5.4 Unsuitable extinguishing media:

sharp water jet .

### 5.5 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

carbon dioxide , carbon monoxide , silicon dioxide , and incompletely burnt hydrocarbons .

### 5.6 Fire fighting procedures:

Fire fighters should wear full protective clothing including a self-contained breathing apparatus. Cool endangered containers with water.

## 6. Accidental release measures

### 6.1 Precautions:

Wear personal protection equipment (see section 8). If material is released indicate risk of slipping. Avoid inhaling mists and vapours.

HAZWOPER PPE Level: C

### 6.2 Containment:

Prevent material from entering sewers or surface waters. Observe local/state/federal regulations.

Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

### 6.3 Methods for cleaning up

Absorb with a liquid binding material such as diatomaceous earth and dispose of according to local/state/federal regulations.

### 6.4 Further information:

Eliminate all sources of ignition.

## 7. Handling and storage

### 7.1 General information:

Always stir well before use.

### 7.2 Handling

#### Precautions for safe handling:

Ensure adequate ventilation. Must be syphoned off in situ.

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

## Precautions against fire and explosion:

Flammable vapors may accumulate and form explosive mixtures with air in containers, process vessels, including partial, empty and uncleaned containers and vessels, or other enclosed spaces. Keep away from sources of ignition and do not smoke. Take precautionary measures against electrostatic charging. Cool endangered containers with water.

## 7.3 Storage

### Conditions for storage rooms and vessels:

Protect against frost.

### Advice for storage of incompatible materials:

none known

### Further information for storage:

Keep container tightly closed. Protect against sun.

**Minimum temperature allowed during storage and transportation:** 0 °C (32 °F)

**Maximum temperature allowed during storage and transportation:** 55 °C (131 °F)

## 8. Exposure controls and personal protection

### 8.1 Engineering controls

#### Ventilation:

Use only with adequate ventilation.

#### Local exhaust:

To control flammable/combustible vapors: Local exhaust ventilation which meets the requirements of ANSI Z9.2 is recommended to control airborne contaminants at the point of use. (to maintain concentration below TLV) .

### 8.2 Associate substances with specific control parameters such as limit values

#### Maximum airborne concentrations at the workplace:

CAS No.	Material	Type	mg/m <sup>3</sup>	ppm	Dust fract.
1330-20-7	Xylene	OSHA PEL	435.0	100.0	
78-93-3	Methyl ethyl ketone	OSHA PEL	435.0	200.0	
1330-20-7	Xylene	ACGIH TWA		100.0	
78-93-3	Methyl ethyl ketone	ACGIH TWA		200.	

Re Xylene (CAS no. 1330-20-7): STEL is 150 ppm, carcinogenicity: A4 (ACGIH).

### 8.3 Personal protection equipment (PPE)

#### Respiratory protection:

A NIOSH approved air purifying respirator equipped with universal multi-contaminant multi-gas/vapor cartridges is recommended if overexposure to chemical vapors could occur. If eye-irritating dusts or vapors are present, a full-face respirator should be worn.

#### Hand protection:

Viton rubber or Silvershield / 4H laminate gloves

#### Eye protection:

Safety glasses with side shields or chemical safety goggles. Where there is risk of splashing: tight fitting chemical safety goggles .

#### Other protective clothing or equipment:

Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

### 8.4 General hygiene and protection measures:

Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

## 9. Physical and chemical properties

### 9.1 Appearance

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

Physical state / form .....: liquid  
 Colour .....: white  
 Odour .....: slight

## 9.2 Safety parameters

Property:	Value:	Method:
Melting point / melting range .....	not applicable	
Boiling point / boiling range .....	> 93 °C (> 199 °F)	
Flash point.....	45 °C (113 °F)	(ISO 3679)
Sustained combustibility.....	> 90 °C (> 194 °F)	(ISO 9038)
Ignition temperature .....	450 °C (842 °F)	(DIN 51794)
Lower explosion limit (LEL) .....	not applicable	
Upper explosion limit (UEL).....	not applicable	
Vapour pressure.....	approx. 25 hPa at 20 °C (68 °F)	(EU-GL.A.4)
Density.....	.99 g/cm <sup>3</sup> at 25 °C (77 °F)	(DIN 51757)
Water solubility / miscibility.....	completely miscible	
pH-Value .....	3.5 - 6.0	(Indicator strips)
Viscosity (dynamic) .....	100 - 200 mPa.s at 25 °C (77 °F)	(Brookfield)

## 10. Stability and reactivity

### 10.1 General information:

If stored and handled in accordance with standard industrial practices no hazardous reactions are known.

### 10.2 Conditions to avoid

Heat, open flames, and other sources of ignition.

### 10.3 Materials to avoid

none known

### 10.4 Hazardous decomposition products

If stored and handled properly: none known . The following applies for the silicone content of the substance: Measurements have shown the formation of small amounts of benzene at temperatures above about 180 °C (356 °F). Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

### 10.5 Further information:

Hazardous polymerization cannot occur.

## 11. Toxicological information

### 11.1 Information on toxicological effects

#### 11.1.1 General information

Data derived for the product as a whole are of higher priority than data for single ingredients.

Data derived for the product as a whole are of higher priority than data for single ingredients.

#### 11.1.2 Acute toxicity

##### Assessment:

For this endpoint no toxicological test data is available for the whole product.

##### Acute toxicity estimate (ATE):

ATE<sub>mix</sub> (oral): > 2000 mg/kg

##### Data related to ingredients:

##### Xylene:

## Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

**Xylene**

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD <sub>50</sub> : 3523 mg/kg	rat	ECHA
dermal	LD <sub>50</sub> : > 4200 mg/kg Mortality has been observed at the given dose level.	rabbit (male)	ECHA
by inhalation (vapour)	LC <sub>50</sub> : 29.091 mg/l = 6700 ppm; 4 h	rat	ECHA

**Methyl Ethyl Ketone:**

Route of exposure	Result/Effect	Species/Test system	Source
oral	LD <sub>50</sub> : 3500 mg/kg	rat (both sexes)	ECHA
oral	LD <sub>50</sub> : 5460 mg/kg	rat (male)	ECHA
dermal	LD <sub>50</sub> : 15400 mg/kg	rabbit (male)	ECHA
by inhalation (vapour)	LC <sub>50</sub> : 17.8 mg/l; 4 h	rat (male)	ECHA

**11.1.3 Skin corrosion/irritation****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Result/Effect	Species/Test system	Source
Moderate	rabbit	ECHA

**Methyl ethyl Ketone:**

Result/Effect	Species/Test system	Source
mildly irritating	rabbit; 24 h	ECHA

**11.1.4 Serious eye damage / eye irritation****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Result/Effect	Species/Test system	Source
Moderate	rabbit	ECHA

**Methyl Ethyl Ketone:**

Result/Effect	Species/Test system	Source
mildly irritating	rabbit	ECHA

**11.1.5 Respiratory or skin sensitization****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	not sensitizing	mouse; LLNA (local lymph node assay)	ECHA OECD 429

**Methyl Ethyl Ketone:**

Route of exposure	Result/Effect	Species/Test system	Source
dermal	May cause dermatitis	Voluntary persons; Human skin patch test	ECHA

## Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

## 11.1.6 Germ cell mutagenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) bacterial cells	literature OECD 471
negative	chromosome aberration assay (in vitro) mammalian cells	ECHA
negative	mutation assay (in vitro) yeast cells	ECHA OECD 480
negative	Rodent Dominant Lethal Test mouse	ECHA OECD 478

**Methyl Ethyl Ketone:**

Result/Effect	Species/Test system	Source
negative	mutation assay (in vitro) mouse lymphoma cells	ECHA OECD 476
negative	chromosome aberration assay (in vitro) mammalian cells	ECHA OECD 473
negative	DNA repair assay (in vivo) mouse (B6C3F1, both sexes) by inhalation; liver cells	ECHA OECD 486
negative	chromosome aberration assay (in vivo) mouse (, male) oral; erythrocytes	ECHA OECD 474

## 11.1.7 Carcinogenicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:**

No known carcinogens are present.

## 11.1.8 Reproductive toxicity

**Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients****Methyl Ethyl Ketone:**

## Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

Result/Effect (Examinations of developmental toxicity and teratogenicity)	Species/Test system	Source
NOAEL (developmental): 500 ppm NOAEL (maternal): 500 ppm	Developmental Toxicity Study rat (Sprague Dawley, both sexes) by inhalation ; day 6 - 18 of gestation	ECHA OECD 414

**11.1.9 Specific target organ toxicity (single exposure)****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Vapours may be narcotising. Irritation of respiratory organs possible.

**11.1.10 Specific target organ toxicity (repeated exposure)****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**11.1.11 Aspiration hazard****Assessment:**

For this endpoint no toxicological test data is available for the whole product.

**Data related to ingredients:****Xylene:**

Product can pose an aspiration hazard.

**Methyl ethyl ketone:**

Product can pose an aspiration hazard.

**11.1.12 Further toxicological information**

Methyl ethyl ketone is being studied for teratogenic effects. No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP. No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**12. Ecological information****12.1 Toxicity****Assessment:**

Organic solvent(s): Likelihood of harmful effect to aquatic organisms.

**Data related to ingredients:**

Data derived for the product as a whole are of higher priority than data for single ingredients.

**Xylene:**

Result/Effect	Species/Test system	Source
LC <sub>50</sub> : 7.6 mg/l	rainbow trout ( <i>Oncorhynchus mykiss</i> ) (96 h)	ECHA OECD 203
EC <sub>50</sub> : 3.82 mg/l	<i>Daphnia magna</i> (48 h)	ECHA
EC <sub>50</sub> : 110 mg/l	<i>Desmodesmus subspicatus</i> (48 h)	literature
EC <sub>50</sub> : 4.36 mg/l	<i>Pseudokirchneriella subcapitata</i> (73 h)	ECHA OECD 201

**12.2 Persistence and degradability****Assessment:**



## Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

Silicone content: biologically not degradable. Elimination by adsorption to activated sludge. Organic solvent: readily biologically degradable.

**Data related to ingredients:****Xylene:****Biodegradation:**

Result	Test system/Method	Source
87.8 % / 28 d readily biodegradable	no data available	ECHA OECD 301F

**12.3 Bioaccumulative potential****Assessment:**

Polymer component: Bioaccumulation is not expected to occur.

**12.4 Mobility in soil****Assessment:**

No data known.

**12.5 Other adverse effects**

none known

**13. Disposal considerations****13.1 RCRA Waste Classification:**

D001 (Ignitable)**PART B**

This classification applies only to the material as it was originally produced.

**13.2 Product disposal**

Recommendation: **PART A and B**

Dispose of according to regulations by incineration in a special waste incinerator. Small quantities may be disposed of by incineration in an approved facility. Observe local/state/federal regulations.

**13.3 Packaging disposal**

Recommendation:

Completely discharge containers (no more than tear drops, no powder rest, scraped carefully). Containers may be recycled or re-used. Observe local/state/federal regulations.

**14. Transport information****14.1 US DOT & CANADA TDG SURFACE**

Valuation .....: Not regulated for transport

Other Information .....: Protect from freezing, when exposed to cold temperatures approaching 0 °C (32 °F) or below.

This material has been tested and does not sustain combustion. No DOT flammable liquid class 3 diamond label required!

**14.2 Transport by sea IMDG-Code**

Valuation .....: Not regulated for transport

Comment.....: Not regulated in Class 3 - IMDG 2.3.1.3 - Substance does not sustain combustion!

**14.3 Air transport ICAO-TI/IATA-DGR**

Valuation .....: Not regulated for transport

Comment.....: Not regulated in Class 3 - IATA 3.3.1.3 / ICAO 3.1.3 - Substance does not sustain combustion!

**15. Regulatory information****15.1 U.S. Federal regulations**

# Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

**TSCA inventory status and TSCA information:**

This material or its components are listed on or are in compliance with the requirements of the TSCA Chemical Substance Inventory.

**TSCA 12(b) Export Notification:**

This material does not contain any TSCA 12(b) regulated chemicals.

**CERCLA Regulated Chemicals:**

CAS No.	Chemical	RQ	Upper limit wt. %
1330-20-7	Xylene	100 lbs	7.4587
78-93-3	Methyl ethyl ketone	1000 lbs	2.4862

**SARA 302 EHS Chemicals:**

This material does not contain any SARA extremely hazardous substances.

**SARA 311/312 Hazard Class:**

Fire hazard. Immediate (acute) health hazard. Delayed (chronic) health hazard.

**SARA 313 Chemicals:**

CAS No.	Chemical	Upper limit wt. %
1330-20-7	Xylene	7.4587
78-93-3	Methyl ethyl ketone	2.4862

SARA 313 information included on this SDS should be included in all SDSs that are copied from and distributed for this material.

**HAPS (Hazardous Air Pollutants):**

CAS No.	Chemical	Upper limit wt. %
1330-20-7	Xylene	7.4587
78-93-3	Methyl ethyl ketone	2.4862

**15.2 U.S. State regulations**

**California Proposition 65 Carcinogens:**

**California Proposition 65 Reproductive Toxins:**

78-93-3 Methyl Ethyl Ketone

**Massachusetts Substance List:**

1330-20-7 Xylene  
78-93-3 Methyl Ethyl Ketone

**New Jersey Right-to-Know Hazardous Substance List:**

1330-20-7 Xylene  
78-93-3 Methyl Ethyl Ketone

**Pennsylvania Right-to-Know Hazardous Substance List:**

1330-20-7 Xylene  
78-93-3 Methyl Ethyl Ketone

**15.3 Canadian regulations**

This product has been classified in accordance with the Hazard criteria of the CPR and the SDS contains all the information required by the CPR.

**WHMIS Hazard Classes:**

D2A, D2B, B3

**DSL Status:**

This material or its components are listed on the Canadian Domestic Substances List.

**15.4 Details of international registration status**

Relevant information about individual substance inventories, where available, is given below.

## Safety Data Sheet

Material: 60078465

Heal and Seal D2K

Version: 1.1 (US)

Date of print: 07/31/2018

Date of last alteration: 05/31/2020

South Korea (Republic of Korea) .....	<b>ECL</b> (Existing Chemicals List): This product is listed in, or complies with, the substance inventory.
Japan .....	<b>ENCS</b> (Handbook of Existing and New Chemical Substances): This product is listed in, or complies with, the substance inventory.
Australia .....	<b>AICS</b> (Australian Inventory of Chemical Substances): This product is listed in, or complies with, the substance inventory.
People's Republic of China .....	<b>IECSC</b> (Inventory of Existing Chemical Substances in China): This product is listed in, or complies with, the substance inventory.
Canada .....	<b>DSL</b> (Domestic Substance List): This product is listed in, or complies with, the substance inventory.
Philippines.....	<b>PICCS</b> (Philippine Inventory of Chemicals and Chemical Substances): This product is listed in, or complies with, the substance inventory.
United States of America (USA).....	<b>TSCA</b> (Toxic Substance Control Act Chemical Substance Inventory): This product is listed in, or complies with, the substance inventory.
European Economic Area (EEA).....	<b>REACH</b> (Regulation (EC) No 1907/2006): General note: the registration obligations for substances imported into the EEA or manufactured within the EEA by the supplier mentioned in section 1 are fulfilled by the said supplier. The registration obligations for substances imported into the EEA by customers or other downstream users must be fulfilled by the latter.

**16. Other information****16.1 Additional information:**

This Safety Data Sheet (SDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This SDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.

**16.2 Glossary of Terms:**

ACGIH - American Conference of Governmental Industrial Hygienists	ppm - Parts per Million
DOT - Department of Transportation	SARA - Superfund Amendments and Reauthorization Act
hPa - Hectopascals	STEL - Short Term Exposure Limit
mPa*s - Milli Pascal-Seconds	TSCA - Toxic Substances Control Act
OSHA - Occupational Safety and Health Administration	TWA - Time Weighted Average
PEL - Permissible Exposure Limit	WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods .....	Common name
ASTM D56.....	Tagliabue (Tag) closed cup
ASTM D92, DIN 51376, ISO 2592 .....	Cleveland open cup
ASTM D93, DIN 51758, ISO 2719 .....	Pensky-Martens closed cup
ASTM D3278, DIN 55680, ISO 3679 .....	Setaflash or Rapid closed cup
DIN 51755.....	Abel-Pensky closed cup

**16.3 Conversion table:**

Pressure:.....: 1 hPa \* 0.75 = 1 mm Hg = 1 torr; 1 bar = 1000 hPa  
 Viscosity:.....: 1 mPa\*s = 1 centipoise (cP)