ASHLAND.	Page: 1
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

29 CFR 1910.1200 (OSHA HazCom 2012)

#### **SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

**Product identifier** 

Trade name : Peroxydone™ K-90

complexes

™ Trademark, Ashland or its subsidiaries, registered in

various countries

#### Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture : Personal care

Details of the supplier of the safety data sheet
Ashland
P.O. Box 2219

Emergency telephone number
1-800-ASHLAND (1-800-274-5263)
Regulatory Information Number

Columbus, OH 43216 1-800-325-3751

**Product Information** 

614-790-3333

EHS Customer Requests@ashland.com

#### **SECTION 2. HAZARDS IDENTIFICATION**

**GHS Classification** 

United States of America

Oxidizing solids : Category 1

Combustible Dust :

Skin irritation : Category 2

Serious eye damage : Category 1

**GHS Label element** 

Hazard pictograms





Signal Word : Danger

Hazard Statements : May cause fire or explosion; strong oxidizer.

May form combustible dust concentrations in air.

Causes skin irritation.

Causes serious eye damage.

<b>ASHLAND</b>	Page: 2
SAFETY DATA SHEET	Revision Date: 05/20/2019
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

Precautionary Statements : Prevention:

Keep away from heat.

Keep/Store away from clothing/ combustible materials. Take any precaution to avoid mixing with combustibles.

Wash skin thoroughly after handling.

Wear protective gloves/ eye protection/ face protection.

Wear fire/ flame resistant/ retardant clothing.

Response:

IF ON SKIN: Wash with plenty of soap and water.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

IF ON CLOTHING: rinse immediately contaminated clothing and

skin with plenty of water before removing clothes.

If skin irritation occurs: Get medical advice/ attention.

Take off contaminated clothing and wash before reuse.

In case of fire: Use dry sand, dry chemical or alcohol-resistant foam to extinguish.

In case of major fire and large quantities: Evacuate area. Fight fire remotely due to the risk of explosion.

Disposal:

Dispose of contents/ container to an approved waste disposal

plant.

#### Other hazards

None known.

#### **SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

Chemical nature : organic

# **Hazardous components**

Chemical Name	CAS-No.	Classification	Concentration (%)
HYDROGEN PEROXIDE	7722-84-1	Flam. Liq. 2; H225	19.99
		Ox. Liq. 1; H271	
		Acute Tox. 4; H302	
		Acute Tox. 2; H330	
		Skin Corr. 1; H314	
		Eye Dam. 1; H318	

<b>ASHLAND</b>	Page: 3
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

# **SECTION 4. FIRST AID MEASURES**

General advice : Move out of dangerous area.

Consult a physician.

Show this safety data sheet to the doctor in attendance.

Do not leave the victim unattended.

If inhaled : Move to fresh air.

IF INHALED: Call a POISON CENTER or doctor/ physician if

you feel unwell.

Keep patient warm and at rest.

If unconscious place in recovery position and seek medical

advice.

In case of skin contact : Remove contaminated clothing. If irritation develops, get

medical attention.

If on skin, rinse well with water.

Wash contaminated clothing before re-use.

If on clothes, remove clothes.

In case of eye contact : In the case of contact with eyes, rinse immediately with plenty

of water and seek medical advice.

Continue rinsing eyes during transport to hospital.

Remove contact lenses. Protect unharmed eye.

If swallowed : Obtain medical attention.

Do NOT induce vomiting.

Do not give milk or alcoholic beverages.

Never give anything by mouth to an unconscious person.

If symptoms persist, call a physician.

Most important symptoms and effects, both acute and

delayed

: Signs and symptoms of exposure to this material through

breathing, swallowing, and/or passage of the material through the skin may include:

irritation (nose, throat, airways)

Lung irritation bronchitis Headache Dizziness

lung edema (fluid buildup in the lung tissue)

seizures Convulsions

Causes skin irritation.

Causes serious eye damage.

Notes to physician : No hazards which require special first aid measures.

<b>ASHLAND</b>	Page: 4
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

#### **SECTION 5. FIREFIGHTING MEASURES**

Suitable extinguishing media : Use extinguishing measures that are appropriate to local

circumstances and the surrounding environment.

Water spray

Carbon dioxide (CO2)

Dry chemical

Unsuitable extinguishing

media

: High volume water jet

Specific hazards during

firefighting

: Organic dusts at sufficient concentration can form explosive

mixtures in air.

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite

explosively.

Do not allow run-off from fire fighting to enter drains or water

courses.

Hazardous combustion

products

: carbon dioxide and carbon monoxide

Nitrogen oxides (NOx)

acetic acid

Specific extinguishing

methods

:

Product is compatible with standard fire-fighting agents.

Further information : Fire residues and contaminated fire extinguishing water must

be disposed of in accordance with local regulations. Use a water spray to cool fully closed containers.

Special protective equipment

for firefighters

Fight fire remotely due to the risk of explosion.

In the event of fire, wear self-contained breathing apparatus.

# **SECTION 6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

Evacuate personnel to safe areas.
 Use personal protective equipment.

Ensure adequate ventilation.

Avoid dust formation. Avoid breathing dust.

Material can create slippery conditions.

Persons not wearing protective equipment should be excluded

from area of spill until clean-up has been completed.

Environmental precautions : Prevent product from entering drains.

Prevent further leakage or spillage if safe to do so.

If the product contaminates rivers and lakes or drains inform

<b>ASHLAND</b>	Page: 5
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

respective authorities.

Methods and materials for containment and cleaning up

: Contain spillage, and then collect with an electrically protected vacuum cleaner or by wet-brushing and place in container for disposal according to local regulations (see section 13). Keep in suitable, closed containers for disposal.

Other information : Comply with all applicable federal, state, and local regulations.

#### **SECTION 7. HANDLING AND STORAGE**

Advice on safe handling : Avoid dust formation.

Provide sufficient air exchange and/or exhaust in work rooms.

Do not breathe vapours/dust.

Do not smoke.

Ensure all equipment is electrically grounded and bonded

before beginning transfer operations.

The material can accumulate static charge and can therefore

cause electrical ignition of flammable atmospheres.

Container hazardous when empty. Avoid contact with skin and eyes.

Smoking, eating and drinking should be prohibited in the

application area.

For personal protection see section 8.

Dispose of rinse water in accordance with local and national

regulations.

Maintain good housekeeping. Do not permit dust layers to accumulate, for example, on floors, ledges, and equipment, in

order to avoid any potential for dust explosion hazards.

For further guidance on prevention of dust explosions, refer to National Fire Protection Association (NFPA) 654: "Standard for the Prevention of Fire and Dust Explosions, from the Manufacturing, Processing and Handling of Combustible

Particulate Solids".

Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated

place.

Containers which are opened must be carefully resealed and

kept upright to prevent leakage.

No smoking.

Prevent unauthorized access.

Electrical installations / working materials must comply with

the technological safety standards.

# **SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

<b>ASHLAND</b>	Page: 6
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
HYDROGEN PEROXIDE	7722-84-1	TWA	1 ppm	ACGIH
		REL	1 ppm 1.4 mg/m3	NIOSH/GUID E
		PEL	1 ppm 1.4 mg/m3	OSHA_TRA NS

**Engineering measures** : Provide sufficient mechanical (general and/or local exhaust)

ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or

apparent adverse effects.

Provide appropriate exhaust ventilation at places where dust

is formed.

#### Personal protective equipment

Respiratory protection : In the case of dust or aerosol formation use respirator with an

approved filter.

Dust safety masks are recommended when the dust

concentration is more than 10 mg/m3.

Hand protection

Remarks : butyl-rubber

The suitability for a specific workplace should be discussed

with the producers of the protective gloves.

Eye protection : Wear chemical splash goggles and face shield to protect eyes

and skin from airborne dust.

Maintain eye wash station in immediate work area.

Skin and body protection : Wear as appropriate:

Safety shoes

Dust impervious protective suit

Flame-resistant clothing

Choose body protection according to the amount and concentration of the dangerous substance at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment

supplier).

Hygiene measures : Avoid breathing dust.

Wash hands before breaks and at the end of workday.

When using do not eat or drink. When using do not smoke.

# **SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : powder

ASHLAND.	Page: 7
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

Physical state : solid

Odour : No data available

Odour Threshold : No data available

pH : 6.0 - 7.0, 1

Melting point/freezing point : No data available

Boiling point/boiling range : No data available

Flash point : Not applicable

Evaporation rate : No data available

Flammability (solid, gas) : No data available

Upper explosion limit : No data available

Lower explosion limit : No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : No data available

Density : 1 g/cm3 (20 °C)

Solubility(ies)

Water solubility : No data available

Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Thermal decomposition : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

Oxidizing properties : No data available

# **SECTION 10. STABILITY AND REACTIVITY**

Reactivity : No decomposition if stored and applied as directed.

<b>ASHLAND</b>	Page: 8
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

Chemical stability : Stable under recommended storage conditions.

Possibility of hazardous

reactions

: Dust may form explosive mixture in air.

Conditions to avoid : Keep away from heat, flame, sparks and other ignition

sources.

Avoid heat, open flame, and prolonged storage at elevated

temperatures.

Incompatible materials : Combustible material

Copper Cyanides Metals metal salts Organic materials Reducing agents Strong oxidizing agents

Hazardous decomposition

products No hazardous decomposition products are known.

# **SECTION 11. TOXICOLOGICAL INFORMATION**

Information on likely routes of : Inhalation

exposure

: Inhalation Skin contact

Eye Contact Ingestion

**Acute toxicity** 

Not classified based on available information.

**Product:** 

Acute oral toxicity : LD 50 (Rat): > 5,000 mg/kg

Remarks: Based on similar product.

Remarks: Hydrogen peroxide ingestion can cause irritation of the gastrointestinal system with possible abdominal pain, nausea, vomiting and diarrhea. Large ingestions can cause rapid release of oxygen which may expand the esophagus or stomach resulting in severe damage (bleeding, ulceration or

perforation).

**Components:** 

**HYDROGEN PEROXIDE:** 

Acute oral toxicity : LD50 (Rat): 1,193 mg/kg

Acute inhalation toxicity : LC50 (Rat): 2 g/m3

Exposure time: 4 h

<b>ASHLAND</b>	Page: 9
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

Acute dermal toxicity : LD50 (Rat): 4,060 mg/kg

# Skin corrosion/irritation

Causes skin irritation.

Product:

Species: Rabbit

Result: Irritating to skin

Remarks: May cause skin irritation and/or dermatitis.

#### Components:

HYDROGEN PEROXIDE: Result: Corrosive to skin

### Serious eye damage/eye irritation

Causes serious eye damage.

**Product:** 

Species: Rabbit

Result: Corrosive to eyes

Remarks: May cause irreversible eye damage., Eye effects may be delayed.

#### **Components:**

# HYDROGEN PEROXIDE:

Result: Corrosive to eyes

#### Respiratory or skin sensitisation

Skin sensitisation: Not classified based on available information.

Respiratory sensitisation: Not classified based on available information.

# Germ cell mutagenicity

Not classified based on available information.

# Carcinogenicity

Not classified based on available information.

# Reproductive toxicity

Not classified based on available information.

# STOT - single exposure

Not classified based on available information.

#### STOT - repeated exposure

Not classified based on available information.

# Aspiration toxicity

Not classified based on available information.

#### **Further information**

**Product:** 

Remarks: No data available

#### **Components:**

HYDROGEN PEROXIDE:

Remarks: Central nervous system

## Carcinogenicity:

ASHLAND.	Page: 10
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

IARC No component of this product present at levels greater than or

equal to 0.1% is identified as probable, possible or confirmed

human carcinogen by IARC.

OSHA 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.

NTP 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.

#### **SECTION 12. ECOLOGICAL INFORMATION**

#### **Ecotoxicity**

# Components:

HYDROGEN PEROXIDE:

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 16.4 mg/l

Exposure time: 96 h
Test Type: semi-static test

Toxicity to algae : EC50 (Skeletonema costatum (diatom)): 1.38 mg/l

End point: Growth inhibition

Exposure time: 72 h Test Type: static test

# Persistence and degradability

# **Components:**

No data available

**Bioaccumulative potential** 

# **Components:**

No data available

#### Mobility in soil

# Components:

No data available

#### Other adverse effects

No data available

#### **Product:**

Additional ecological

information

: No data available

#### **Components:**

<b>ASHLAND</b>	Page: 11
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

#### **SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods** 

General advice : Do not dispose of waste into sewer.

Do not contaminate ponds, waterways or ditches with

chemical or used container.

Send to a licensed waste management company.

Dispose of in accordance with all applicable local, state and

federal regulations.

Contaminated packaging : Empty remaining contents.

Dispose of as unused product.

Empty containers should be taken to an approved waste

handling site for recycling or disposal. Do not re-use empty containers.

Do not burn, or use a cutting torch on, the empty drum.

# **SECTION 14. TRANSPORT INFORMATION**

#### International transport regulations

#### **REGULATION**

ID NUMBER	PROPER SHIPPING NAME	*HAZARD	SUBSIDIARY	PACKING	MARINE
		CLASS	HAZARDS	GROUP	POLLUTANT /
					LTD. QTY.

#### **U.S. DOT - ROAD**

UN	3088	Self-heating solid, organic, n.o.s. (HYDROGEN	4.2	II				
		PEROXIDE)						

#### U.S. DOT - RAIL

0.0. 00.					
UN	3088	Self-heating solid, organic, n.o.s. (HYDROGEN PEROXIDE)	4.2	II	

# **U.S. DOT - INLAND WATERWAYS**

UN	3088	Self-heating solid, organic, n.o.s. (HYDROGEN PEROXIDE)	4.2	II

#### TRANSPORT CANADA - ROAD

UN	3088	SELF-HEATING SOLID,	4.2	II				
		ORGANIC, N.O.S.						
		(HYDROGEN PEROXIDE)						

ASHLAND.	Page: 12
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

TR	ΔΝ	ISF	n	RT	CA	ΝΔ	ΔΩ	_	RAIL	
111	$\neg$		•		$\sim$			. –		_

UN	3088	SELF-HEATING SOLID,	4.2	II
		ORGANIC, N.O.S.		
		(HYDROGEN PEROXIDE)		

#### TRANSPORT CANADA - INLAND WATERWAYS

UN	3088	SELF-HEATING SOLID,	4.2	ll
		ORGANIC, N.O.S.		
		(HYDROGEN PEROXIDE)		
		·		

#### **INTERNATIONAL MARITIME DANGEROUS GOODS**

UN	3088	SELF-HEATING SOLID,	4.2	II
		ORGANIC, N.O.S.		
		(HYDROGEN PEROXIDE)		
		·		

#### **INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO**

UN	3088	Self-heating solid, organic, n.o.s. (HYDROGEN PEROXIDE)	4.2	II	
		·			

# **INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER**

UN	3088	Self-heating solid, organic, n.o.s. (HYDROGEN PEROXIDE)	4.2	II	

# MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

VASIE	,				
UN	3088	SOLIDO ORGANICO QUE EXPERIMENTA CALENTAMIENTO ESPONTANEO, N.E.P. (HYDROGEN PEROXIDE)	4.2	II	
		•			

# \*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant		no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

<b>ASHLAND</b>	Page: 13
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

#### **SECTION 15. REGULATORY INFORMATION**

SARA 311/312 Hazards : Fire Hazard

Acute Health Hazard

**SARA 313** 

: This material does not contain any chemical components with Component(s)SARA 313 known CAS numbers that exceed the threshold (De Minimis)

reporting levels established by SARA Title III, Section 313.

Pennsylvania Right To Know

VINYL POLYMER 9003-39-8 70.00 - 90.00 %

HYDROGEN PEROXIDE 7722-84-1 10.00 - 20.00 %

**New Jersey Right To Know** 

VINYL POLYMER 9003-39-8 70.00 - 90.00 %

HYDROGEN PEROXIDE 7722-84-1 10.00 - 20.00 %

California Prop 65 This product does not contain any chemicals known to State

of California to cause cancer, birth defects, or any other

reproductive harm.

The components of this product are reported in the following inventories:

**TSCA** : On TSCA Inventory

DSL : All components of this product are on the Canadian DSL.

AUSTR : On the inventory, or in compliance with the inventory

**ENCS** : On the inventory, or in compliance with the inventory

**KECL** : On the inventory, or in compliance with the inventory

**PICCS** : On the inventory, or in compliance with the inventory

**IECSC** : On the inventory, or in compliance with the inventory

#### Inventories

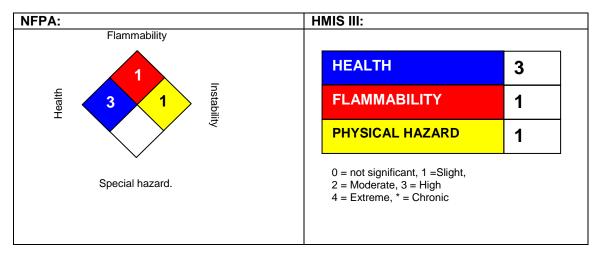
AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

<b>ASHLAND</b>	Page: 14
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

#### **SECTION 16. OTHER INFORMATION**

#### **Further information**

Revision Date: 05/20/2015



# NFPA Flammable and Combustible Liquids Classification

Not applicable

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

H225	Highly flammable liquid and vapor.
H271	May cause fire or explosion; strong oxidizer.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H330	Fatal if inhaled.

Sources of key data used to compile the Safety Data Sheet
Ashland internal data including own and sponsored test reports
The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This SDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

List of abbreviations and acronyms that could be, but not necessarily are, used in this safety data sheet:

ACGIH: American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS: Chemical Abstracts Service (Division of the American Chemical Society).

<b>ASHLAND</b>	Page: 15
SAFETY DATA SHEET	Revision Date: 05/20/2015
	Print Date: 6/25/2015
	SDS Number: R0718418
Peroxydone™ K-90 complexes  ™ Trademark, Ashland or its subsidiaries, registered in various countries 830675	Version: 1.0

CMR: Carcinogenic, Mutagenic or Toxic for Reproduction

FG: Food grade

GHS: Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

IATA: International Air Transport Association.

IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA).

ICAO: International Civil Aviation Organization

ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"

IMDG : International Maritime Code for Dangerous Goods

ISO: International Organization for Standardization

logPow: octanol-water partition coefficient

LCxx: Lethal Concentration, for xx percent of test population

LDxx: Lethal Dose, for xx percent of test population. ICxx: Inhibitory Concentration for xx of a substance

Ecxx : Effective Concentration of xx N.O.S.: Not Otherwise Specified

OECD: Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit
P-Statement : Precautionary Statement
PBT : Persistent , Bioaccumulative and Toxic

PPE: Personal Protective Equipment STEL: Short-term exposure limit STOT: Specific Target Organ Toxicity

TLV: Threshold Limit Value TWA: Time-weighted average

vPvB: Very Persistent and Very Bioaccumulative

WEL: Workplace Exposure Level

CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act

DOT: Department of Transportation

FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act HMIRC: Hazardous Materials Information Review Commission

HMIS: Hazardous Materials Identification System

NFPA: National Fire Protection Association

NIOSH: National Institute for Occupational Safety and Health OSHA: Occupational Safety and Health Administration

PMRA: Health Canada Pest Management Regulatory Agency

RTK: Right to Know

WHMIS: Workplace Hazardous Materials Information System