	Page: 1
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

29 CFR 1910.1200 (OSHA HazCom 2012)

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product identifier

Trade name

: Pyroil™ GAS TREAT GAS TREATMENT

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 Niteo Products, LLC	Emergency telephone number CHEMTREC DIRECT 1-800-424-9300
P.O. Box 191629 Dallas TX 75219 United States of America	Product Information 1-844-696-4836

SECTION 2. HAZARDS IDENTIFICATION

GHS Classification	
Flammable liquids	: Category 3
Skin irritation	: Category 2
Specific target organ systemic toxicity - single exposure	: Category 3 (Central nervous system)
Aspiration hazard	: Category 1
GHS Label element Hazard pictograms	
Signal Word	: Danger
Hazard Statements	: Flammable liquid and vapor. May be fatal if swallowed and enters airways. Causes skin irritation.

	Page: 2
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

May cause drowsiness or dizziness.

Precautionary Statements	 Prevention: Keep away from heat/sparks/open flames/hot surfaces No smoking. Keep container tightly closed. Ground/bond container and receiving equipment. Use explosion-proof electrical/ ventilating/ lighting/ equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Avoid breathing dust/ fume/ gas/ mist/ vapors/ spray. Wash skin thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/ eye protection/ face protection. Response: IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/ physician if you feel unwell. Do NOT induce vomiting. 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. Store in a well-ventilated place. Keep container tightly closed. Store in a well-ventilated place. Keep cool. Store of contents/ container to an approved waste disposal plant.
Other hazards None known.	

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture	:	Mixture
---------------------	---	---------

Chemical nature : Defatter

Hazardous components

Chemical Name	CAS-No.	Classification	Concentration (%)
KEROSENE	8008-20-6	Flam. Liq. 3; H226	97.22
		Skin Irrit. 2; H315	

	Page: 3
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

STOT SE 3; H336	
Asp. Tox. 1; H304	

SECTION 4. FIRST AID MEASURES

General advice	Move out of dangerous area. Call a POISON CENTRE or doctor/physician if exposed or you feel unwell. Show this safety data sheet to the doctor in attendance. Symptoms of poisoning may appear several hours later. Do not leave the victim unattended.
If inhaled	Move to fresh air. If unconscious place in recovery position and seek medical advice. Consult a physician after significant exposure.
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	Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.
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	Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Lung irritation

Page: 4
Revision Date: 07/31/2015
Print Date: 12/8/2015
SDS Number: R0326703
Version: 1.1
-

confusion irregular heartbeat Convulsions May be fatal if swallowed and enters airways. Causes skin irritation. May cause drowsiness or dizziness.

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

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	:	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Alcohol-resistant foam Carbon dioxide (CO2) Dry chemical
Unsuitable extinguishing media	:	High volume water jet
Specific hazards during firefighting	:	Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. Do not allow run-off from fire fighting to enter drains or water courses.
Hazardous combustion products	:	Aldehydes carbon dioxide and carbon monoxide Hydrocarbons Nitrogen oxides (NOx) sulfur oxides
Specific extinguishing methods	:	
		Product is compatible with standard fire-fighting agents.
Further information	:	Do not use a solid water stream as it may scatter and spread fire. 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	:	In the event of fire, wear self-contained breathing apparatus.

	Page: 5
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	:	Evacuate personnel to safe areas. Remove all sources of ignition. Use personal protective equipment. Ensure adequate ventilation. Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas. 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 respective authorities.
Methods and materials for containment 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).
Other information	:	Comply with all applicable federal, state, and local regulations. Suppress (knock down) gases/vapours/mists with a water spray jet.

SECTION 7. HANDLING AND STORAGE

Advice on safe handling	 Open drum carefully as content may be under pressure. Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke. Container hazardous when empty. Take precautionary measures against static discharges. Avoid exposure - obtain special instructions before use. 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.
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. Observe label precautions. No smoking. Electrical installations / working materials must comply with the technological safety standards.

	Page: (
SAFETY DATA SHEET	Revision Date: 07/31/201
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.
PYAG12P	

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplac	e control paran	neters				
Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis		
KEROSENE	8008-20-6	TWA	200 mg/m3 Non-aerosol (as total hydrocarbon vapor)	ACGIH		
		REL	100 mg/m3	NIOSH/GUID E		
Engineering measures	ventilation applicable)	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.				
Personal protective equipm Respiratory protection	: In the case	 In the case of vapour formation use a respirator with an approved filter. 				
	cartridge au circumstan exceed exp otherwise b purifying re supplied re release, ex circumstan	A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air- purifying respirators is limited. Use a positive pressure, air- supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.				
Hand protection Material	: nitrile rubbe	nitrile rubber				
Remarks		The suitability for a specific workplace should be discussed with the producers of the protective gloves.				
Eye protection		Not required under normal conditions of use. Wear splash- proof safety goggles if material could be misted or splashed into eyes.				
Skin and body protection	impervious Safety sho	: Wear as appropriate: impervious clothing Safety shoes Flame-resistant clothing				

	Page: 7
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

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	: 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

Physical state	: liquid
Colour	: yellow
Odour	: hydrocarbon-like
Odour Threshold	: No data available
рН	: No data available
Melting point/freezing point	: No data available
	No data available
Boiling point/boiling range	: > 293 °F / 145 °C
Flash point	: 120.00 °F / 48.89 °C
Evaporation rate	Calculated Flash Point : <1
	N 17 911
Flammability (solid, gas)	: No data available
Upper explosion limit	: 5 %(V)
Lower explosion limit	Calculated Explosive Limit : 0.7 %(V)
Vapour pressure	Calculated Explosive Limit : 0.63994 hPa (20 °C)
	Calculated Vapor Pressure
Relative vapour density	: No data available
Relative density	: No data available
Density	: 0.8051 g/cm3 (15.56 °C)
Solubility(ies) Water solubility	: insoluble

NITEC	Page: 8
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

Solubility in other solvents	: No data availa	ble
Partition coefficient: n- octanol/water	: No data availa	ble
Thermal decomposition	: No data availa	ble
Viscosity Viscosity, dynamic	: No data availa	ble
Viscosity, kinematic	: No data availa	ble
Oxidizing properties	: No data availa	ble

SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No decomposition if stored and applied as directed.
Chemical stability	: Stable under recommended storage conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air.
Conditions to avoid	: Heat, flames and sparks.
	excessive heat
Incompatible materials	: Strong oxidizing agents
Hazardous decomposition products	carbon dioxide and carbon monoxide Hydrocarbons Nitrogen oxides (NOx) Sulphur oxides

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure	:	Inhalation Skin contact Eye Contact Ingestion
		-

Acute toxicity

Not classified based on available information. <u>Components:</u> KEROSENE: Acute oral toxicity : LD 50 (Rat): >

: LD 50 (Rat): > 5,000 mg/kg Method: OECD Test Guideline 420

	Page: 9
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

Acute inhalation toxicity	 LC 50 (Rat): > 5.28 mg/l Exposure time: 4 h Test atmosphere: vapour Method: OECD Test Guideline 403 Assessment: Not classified as acutely toxic by inhalation under GHS.
Acute dermal toxicity	 LD 50 (Rabbit): > 2,000 mg/kg Method: OECD Test Guideline 402 Assessment: Not classified as acutely toxic by dermal absorption under GHS.

Skin corrosion/irritation

Causes skin irritation. <u>Product:</u> Remarks: May cause skin irritation and/or dermatitis.

Result: Repeated exposure may cause skin dryness or cracking.

Components:

KEROSENE: Result: Irritating to skin

Serious eye damage/eye irritation

Not classified based on available information. **Product:** Remarks: Vapours may cause irritation to the eyes, respiratory system and the skin.

Components:

KEROSENE: Result: Slightly irritating to eyes

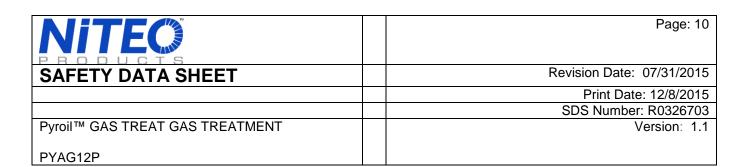
Respiratory or skin sensitisation

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 May cause drowsiness or dizziness. Components: KEROSENE: Assessment: May cause drowsiness or dizziness.

STOT - repeated exposure

Not classified based on available information. Aspiration toxicity

May be fatal if swallowed and enters airways.



Components:

KEROSENE:

May be fatal if swallowed and enters airways.

Further information

Product:

Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting., Concentrations substantially above the TLV value may cause narcotic effects., Solvents may degrease the skin.

Components:

KERÖSENE: Remarks: Skin

Remarks: Central nervous system

Carcinogenicity: 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:

KEROSENE:	
Toxicity to fish	 LL50 (Oncorhynchus mykiss (rainbow trout)): 2 - 5 mg/l Exposure time: 96 h Test Type: semi-static test Test substance: WAF Method: OECD Test Guideline 203
Toxicity to daphnia and other aquatic invertebrates	 EL50 (Water flea (Daphnia magna)): 1.4 mg/l Exposure time: 48 h Test Type: static test Test substance: WAF Method: OECD Test Guideline 202
Toxicity to algae	: EL50 (Pseudokirchneriella subcapitata (green algae)): 1 - 3 mg/l Exposure time: 72 h



Other adverse effects

No data available

Product:

Additional ecological	: An environmental hazard cannot be excluded in the event of
information	unprofessional handling or disposal., Toxic to aquatic life with
	long lasting effects.

Components:

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods	
General advice	 The product should not be allowed to enter drains, water courses or the soil. 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.

	Page: 12
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

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 CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /
					LTD. QTY.

U.S. DOT - ROAD

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

UN	1993	FLAMMABLE LIQUID, N.O.S.	3		LIMITED
		(KEROSENE)			QUANTITY

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

(KEROSENE)	UN	1993	Flammable liquid, n.o.s. (KEROSENE)	3	III	
------------	----	------	----------------------------------------	---	-----	--

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

UN	1993	Flammable liquid, n.o.s.	3	III	
		(KEROSENE)			

	Page: 13
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES LIQUIDO INFLAMABLE, N.E.P. 3 1993

UN

(KEROSENE)

III

*ORM = ORM-D, CBL = COMBUSTIBLE LIQUID

Marine pollutant		yes	1
------------------	--	-----	---

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.

SECTION 15. REGULATORY INFORMATION

EPCRA - Emergency Planning and Community Right-to-Know Act

CERCLA Reportable Quantity

Components	CAS-No.	Component RQ (lbs)	Calculated product RQ (lbs)
NAPHTHALENE	91-20-3	100	214132.762313

SARA 311/312 Hazards	:	Fire Hazard Acute Health Hazard	
SARA 313 Component(s)SARA 313	:	This material does not contain any chemica known CAS numbers that exceed the thresh reporting levels established by SARA Title I	nold (De Minimis)
Pennsylvania Right To Know KEROSENE	'	8008-20-6	90.00 - 100.00 %
New Jersey Right To Know KEROSENE		8008-20-6	90.00 - 100.00 %
POLYMER		Not Assigned	1.00 - 5.00 %
California Prop 65Proposition 65 warnings are not required for this product based on the results of a risk assessment.The components of this product are reported in the following inventories: TSCAOn TSCA Inventory			•
DSL	:	All components of this product are on the C	anadian DSL.
AICS	:	On the inventory, or in compliance with the	inventory

	Page: 14
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

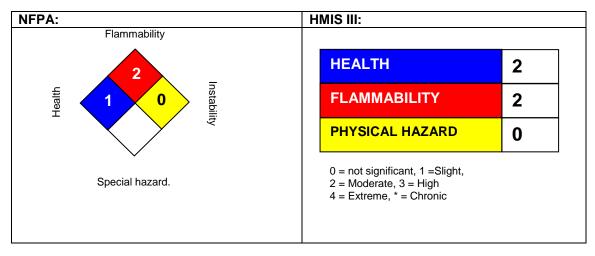
NZIOC	: Not in compliance with the inventory
ENCS	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

Inventories

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

SECTION 16. OTHER INFORMATION

Further information Revision Date: 07/31/2015



NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class II

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

H226	Flammable liquid and vapor.
H304	May be fatal if swallowed and enters airways.
H315	Causes skin irritation.
H318	Causes serious eye damage.

Sources of key data used to compile the Safety Data Sheet

	Page: 15
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

Internal data including own and sponsored test reports

The UNECE administers regional agreements implementing harmonised classification for labelling (GHS) and transport.

Cefic, the European Chemical Industry Council.

ESIS European Chemical Substances Information System

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 Niteo's Environmental Health and Safety Department (1-844-696-4836).

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).

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

 $\mathsf{Ecxx}:\mathsf{Effective}\;\mathsf{Concentration}\;\mathsf{of}\;\mathsf{xx}$

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

	Page: 16
SAFETY DATA SHEET	Revision Date: 07/31/2015
	Print Date: 12/8/2015
	SDS Number: R0326703
Pyroil™ GAS TREAT GAS TREATMENT	Version: 1.1
PYAG12P	

OSHA : Occupational Safety and Health Administration PMRA : Health Canada Pest Management Regulatory Agency RTK : Right to Know WHMIS : Workplace Hazardous Materials Information System