



Material Safety Data Sheet

WHMIS	HFRP - HMIS	TDG Road/Rail												
	<table border="1"> <tr> <td>Health Hazard</td> <td style="text-align: center;">*</td> <td style="text-align: center;">3</td> </tr> <tr> <td>Fire Hazard</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Reactivity</td> <td></td> <td style="text-align: center;">0</td> </tr> <tr> <td>Personal Protection</td> <td></td> <td style="text-align: center;">S</td> </tr> </table>	Health Hazard	*	3	Fire Hazard		0	Reactivity		0	Personal Protection		S	
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Section I. Product Identification and Uses

Common/Trade name	Combitherm Liquid Oven Cleaner	TDG Class	8
WHMIS	E	PIN	UN1760 CORROSIVE LIQUID, N.O.S. (Potassium hydroxide)
Code	N285	PG	II
Material uses	Liquid Oven Cleaner		

Section II. Hazardous Ingredients

Name	CAS #	% by Weight	Exposure Limits	
			TLV/PEL	LC ₅₀ /LD ₅₀
Potassium Hydroxide	1310-58-3	7 - 13	ACGIH TLV (Canada). CEIL: 2 mg/m ³	ORAL (LD50): Acute: 273 mg/kg [Rat]. 365 mg/kg [Rat]. 388 mg/kg [Rat].

Section III. First Aid Measures

Eye contact	Corrosive. Causes eye damage. Wear splash proof goggles. Provide a readily accessible eyewash facility. Flush immediately with plenty of water for at least 15 minutes. Get medical attention immediately.
Skin contact	Corrosive. Causes irritation and burns. Wear alkali-resistant gloves, boots and clothing. Provide convenient safety showers. Remove the contaminated clothes as quickly as possible. Thoroughly wash the contaminated skin with running water. If irritation persists, seek medical attention.
Inhalation	Inhalation of the spray mist may produce severe irritation of respiratory tract. Wear appropriate respirator when ventilation is inadequate and product is being sprayed. Remove to fresh air. If discomfort persists seek medical attention.
Ingestion	Corrosive. Causes irritation and burns. DO NOT induce vomiting. Have conscious person drink several glasses of water. NEVER give an unconscious person anything to ingest. Seek immediate medical attention.

Section IV. Physical Data

Physical state and appearance	Liquid.	Color	Light Amber.
pH (1% soln/water)	13.0 - 14.0	Odor	Odorless.
Volatility	Not available.	Water/oil dist. coeff.	The product is much more soluble in water.
Boiling point	90°C (210°F)	Vapor density	Not available.
Specific gravity	1.06 to 1.07 (Water = 1)	Vapor pressure	Not applicable.
Solubility	Easily soluble in water.		

Section V. Fire and Explosion Data

The product is:	Non-flammable.		
Auto-ignition temperature	Not applicable.	Flash points	Not applicable.
Degradation products	Not applicable.		
Extinguishing media	Non-flammable substance. In case of fire, use water spray (fog), foam, dry chemical, or CO ₂ .		

Section VI. Reactivity Data

Stability	The product is stable.
Decomp. products	Contact with active metals can release flammable gas.
Reactivity	Incompatible with some strong acids. Incompatible with materials not resistant to alkalies, with active metals (zinc, aluminum, magnesium).

Section VII. Toxicological Properties

Routes of entry	Eye contact. Ingestion. Inhalation.
Toxicity for animals	See section II
Acute effects	Dangerous in case of skin and eye contact (corrosive), of ingestion (corrosive to digestive system). Liquid or spray mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract. Inhalation of the spray mist may produce severe irritation of respiratory tract.
Chronic effects	No ingredient in this product is currently listed as carcinogens by IARC, NTP or OSHA.

Section VIII. Preventive Measures

Waste disposal	Dispose of material according to regional, provincial and federal regulations. Consult your local or regional authorities.
Storage	Store in a dry, cool and well ventilated area. Keep away from incompatibles. Keep from freezing.
Precautions	Keep container dry. DO NOT ingest. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Avoid breathing vapors or spray mists.
Spill and leak	Absorb with an inert DRY material and place in an appropriate waste disposal container. Dispose of in accordance with federal, provincial, or local regulations.

Section IX. Personal protective equipment

Gloves	Neoprene gloves, nitrile gloves or PVC gloves
Respiratory	Wear appropriate respirator when ventilation is inadequate and product is being sprayed.
Eyes	Splash goggles. Face shield is recommended for prolonged contact.
Other	Synthetic apron. Full suit, boots, face shield: are recommended under exceptional circumstances such as fire or spill.
Eng. controls	Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.



Section X. Preparation and other Information

Validated by Regulatory Affairs on 2009-11-24 | Verified by Regulatory Affairs. | Printed 2009-11-24.

Emergency phone: CANUTEC : 1-613-996-6666

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