



LAP-O-VALVE CLEANER/DEGREASER

Cleaner and Solvent Degreaser

IDENTITY INFORMATION

Manufacturer Number:

WND-0015-000

Product Number:

#72111

10.5 oz. Aerosol

Product Name:

LAP-O-VALVE Cleaner/Degreaser

Product Class:

Cleaner and Solvent Degreaser

PHYSICAL PROPERTIES

Specific Gravity (H ₂ O = 1)	0.7227 (60/60°F)
Freezing Point	<-76°F
Evaporation Rate	Slower than ether.
Boiling Point	235°F
Vapor Pressure	31 mm Hg @ 77°F
Vapor Density (AIR = 1)	Heavier than air.
Solubility in Water	No
Appearance and Color	Clear, water-white liquid.

FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used - TCC)	45°F, Actual Test
Flammable Limits	
LEL	0.9%
UEL	7.0%
Extinguishing Method	Use carbon dioxide, dry chemical or foam.
Special Fire Fighting Procedures	Water spray may be ineffective. Water may be used to cool containers to prevent pressure build-up and explosion when exposed to extreme heat. If water is used, fog nozzles preferred. Wear goggles and self-contained breathing apparatus.
Unusual Fire and Explosion Hazards	Closed containers may explode from internal pressure build-up when exposed to extreme heat and discharge contents. Vapor accumulation can flash or explode if ignited. Over-exposure to semi-decomposition products may cause a health hazard. Symptoms may not be readily apparent, obtain medical attention.

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HAZARDOUS INGREDIENTS

Ingredient	CAS#	% WT.	Occupational Exposure Limits		Vapor Pressure	
			TLV	PEL	MM	@°F
Petroleum Distillate	66742-48-9	<100	Not est.	500 ppm	30	77
Carbon Dioxide	124-38-9	<05	5000 ppm	5000 ppm	>760	60

HEALTH HAZARD DATA

Animal Data	Petroleum distillate: Inhalation 90 day subchronic: 2,240 ppm in rats (per component supplier or similar solvent) Skin absorption: >3 mL/kg in rabbits (per component supplier) Oral LD50: >10 mL/kg in rats (per component supplier)	
General Toxicity	Irritation has been reported in humans using petroleum distillate solvent. The threshold for this irritation is in the range of 120 to 130 ppm. Irritation has also been noted in workers exposed to more than 150 ppm of petroleum distillate solvent.	
Mutagenic Potential	In a dominant-lethal study in rats exposed to 300 or 900 ppm of similar petroleum distillate solvents, no mutagenic response was noted (per component supplier).	
Development Toxicity	Similar petroleum distillate solvents were not fetotoxic or teratogenic in pregnant rats exposed to 300 or 900 ppm on days 6 through 15 of gestation (per component supplier).	
Reproductive Toxicity	No effect on reproduction was noted in male rats exposed to 300 or 900 ppm of similar petroleum distillate solvents for five days and then mated with unexposed females (per component supplier).	
Carcinogenicity		
NTP	No	
IARC Monographs	No	
OSHA Regulated	No	
Applicable Exposure Limits - Petroleum Distillate		
AEL* (DuPont)	100 ppm – 8 & 12 Hr. TWA	
TLV (ACGIH)	None	
PEL (OSHA)	400 ppm	
Route(s) of Entry		
Inhalation	Yes	
Skin	Yes	
Ingestion	Yes	
Health Hazards	Eye irritant. Possible skin irritant.	
Risks and Symptoms of Overexposure		
Inhalation	Respiratory irritation, headache, nausea, drowsiness, impaired co-ordination.	
Ingestion	Not a likely route of exposure. If swallowed, do not induce vomiting.	
Skin Contact	Not easily absorbed. May cause dryness and lead to dermatitis.	
Eye Contact	Liquid or spray can cause moderate to severe irritation.	

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**Health Hazards (Acute and Chronic)**

Acute	Eye irritant. Possible skin irritant.
Chronic	None known.

Medical Conditions Prone to Aggravation by Overexposure	None known.
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FIRST AID

Inhalation	Remove to fresh air. Administer oxygen if needed. Apply artificial respiration if breathing has stopped, get immediate medical attention.
Ingestion	DO NOT induce vomiting. Call poison control center, hospital, emergency room or physician immediately.
Skin Contact	Wash with soap and water. Get medical attention if irritation persists.
Eye Contact	Wash immediately with large volumes of fresh water for at least 15 minutes. Get medical attention.

REACTIVITY DATA

Stability	Stable
Conditions to Avoid	Application to hot surfaces. Storage above 120°F. Exposure to open flame.
Incompatibility (Materials to Avoid)	Strong oxidizing agents.
Hazardous Decomposition or Byproducts	May produce fumes when heated to decomposition. Fumes may contain carbon monoxide.
Hazardous Polymerization	Will not occur.

SAFETY PRECAUTIONS

Steps to Be Taken in Case Material Is Released or Spilled	Avoid breathing vapors. Ventilate area. Remove all sources of ignition. Clean up area with absorbent material and place in closed containers for disposal.
Waste Disposal Method	Dispose in accordance with applicable local, state, and federal regulations. Before attempting clean up, refer to other sections of this MSDS for hazard caution information.
Precautions to Be Taken in Handling and Storing	Store and use in cool, dry, well-ventilated areas. Do not store above 120°F. Do not puncture or incinerate cans. Do not stick pin, nail, or any other sharp object into open on top of can. Do not spray in eyes. Do not take internally. See product label for additional information.
Other Precautions	Small pressurized container of flammable products may be stored in areas suitable for ordinary combustibles with respect to construction, drainage, control of ignition sources, and ventilation except that they should not be stored in basements.

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CONTROL MEASURES

Respiratory Protection	None under normal use. Avoid breathing vapors. In restricted areas, use approved chemical/mechanical filters designed to remove a combination of particles and vapor. In confined areas, use approved air line type respirator or hood. Self-contained breathing apparatus is required for vapor concentration above PEL/TLV limits.
Ventilation	Sufficient to prevent inhalation of solvent vapors. General dilution and/or local exhaust ventilation in volume or pattern to keep PEL/TLV of most hazardous ingredient below acceptable limit and PEL below stated limit.
Protective Gloves	None under normal use. Solvent resistant required for prolonged or repeated use.
Eye Protection	None under normal use. However, use of safety glasses with splash guards, chemical goggles and/or full face shields. is recommended.
Other Protective Clothing or Equipment	None under normal use. However, use of solvent resistant aprons or other clothing is recommended.
Work/Hygienic Practices	Eye washes and safety showers in the workplace are recommended.

DISCLAIMER

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of the data or the results to be obtained from the use thereof. Because the information contained herein may be applied under conditions beyond our control, we assume no responsibility for its use.

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