

View Section : 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16**SECTION 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION**

3599 838

Product Name: **INDUSTRIAL PURE STRENGTH-SPRAY**
Manufacturer MSDS.: 3599 838
Manufacturer Name: Rust-Oleum Corporation
Address: 11 Hawthorn Parkway
 Vernon Hills Illinois 60061
General Use: CLEANER/DEGREASER
Revision Date: 05/30/00
Comments: Supplier: Rust-Oleum Corporation, 11 Hawthorn Parkway,
 Vernon Hills, Illinois, 60061 USA, (847) 367-7700 Rust-
 Oleum Corp.,8:00 AM-4:30 PM/24-hr Emer.Assist

HMIS

HEALTH	2
FIRE	4
REACTIVITY	0
PPE	

Product Codes: 3599 838

[To Top of page](#)
**SECTION 2 : COMPOSITION, INFORMATION ON INGREDIENTS**

3599 838

Ingredient Name	CAS#	Ingredient Percent
D-LIMONENE TECH GRADE	5989-27-5	< 75.0 % by Weight
EC Index Number:	1	
LIQUIFIED PETROLEUM GAS	68476-85-7	< 30.0 % by Weight
EC Index Number:	1	

Comments: See Section 16 for abbreviation legend

[To Top of page](#)
**SECTION 3 : HAZARDS IDENTIFICATION**

3599 838

Emergency Overview: Harmful if inhaled. Harmful if swallowed. Extremely flammable liquid and vapor. Vapors may cause flash fire or explosion. Harmful if inhaled. May effect the brain or nervous system causing dizziness, headache or nausea. Contents Under Pressure.

Applies to All Ingredients :

Route of Exposure: INHALATION EYE CONTACT

Potential Health Effects:

Eye Contact: Causes eye irritation.
Skin Contact: Substance may cause slight skin irritation. Prolonged or repeated contact may cause skin irritation.

Inhalation: Harmful if inhaled. High gas, vapor, mist or dust concentrations may be harmful if inhaled. Avoid breathing vapors or mists. High vapor concentrations are irritating to the eyes, nose, throat and lungs. Breathing small amounts during normal handling is not likely to cause harmful effects; breathing large amounts may be harmful. Symptoms of overexposure include nose, throat and respiratory tract irritation. Pre-existing lung disorders, e.g. asthma-like conditions, may be aggravated by exposure to this material.

Ingestion: Substance may be harmful if swallowed. Aspiration hazard if swallowed; can enter lungs and cause damage.

Chronic Health Effects: May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Contains d-Limonene, which is an IARC Group 3 agent: "probably not carcinogenic to humans". D-Limonene is NOT classified as a carcinogen by OSHA, NTP nor ACGIH.

[To Top of page](#)
**SECTION 4 : FIRST AID MEASURES**

3599 838

Eye Contact: Hold eyelids apart and flush with plenty of water for at least 15 minutes. Get medical attention.
Skin Contact: Wash with soap and water. Get medical attention if irritation develops or persists.
Inhalation: If you experience difficulty in breathing, leave the area to obtain fresh air. If continued difficulty is experienced, get medical assistance immediately.
Ingestion: Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. Get immediate medical attention.

[To Top of page](#)


SECTION 5 : FIRE FIGHTING MEASURES

3599 838

Flash Point:	-99 F
Upper Flammable or Explosive Limit:	9.5 %
Lower Flammable or Explosive Limit:	0.7 %
Auto Ignition Temperature:	ND
Extinguishing Media:	DRY CHEMICAL FOAM WATER FOG
Fire Fighting Instructions:	Evacuate area and fight fire from a safe distance.
Unusual Fire Hazards:	FLASH POINT IS LESS THAN 20 DEG. F. - EXTREMELY FLAMMABLE LIQUID AND VAPOR! Water spray may be ineffective. Closed containers may explode when exposed to extreme heat due to buildup of steam. Closed containers may explode when exposed to extreme heat. Vapors may form explosive mixtures with air. Vapors can travel to a source of ignition and flash back. Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Perforation of the pressurized container may cause bursting of the can. Closed containers may explode when exposed to extreme heat.

[To Top of page](#)**SECTION 6 : ACCIDENTAL RELEASE MEASURES**

3599 838

Spill Cleanup Measures:	Evacuate the area, remove all sources of ignition and ventilate well. Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust. Remove all sources of ignition, ventilate area and remove with inert absorbent and non-sparking tools. Dispose of according to local, state (provincial) and federal regulations. Do not incinerate closed containers.
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[To Top of page](#)**SECTION 7 : HANDLING and STORAGE**

3599 838

Handling:	Wash thoroughly after handling. Wash hands before eating. Use only in a well-ventilated area. Follow all MSDS/label precautions even after container is emptied because it may retain product residues. Avoid breathing vapor or mist.
Storage:	Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Do not store above 120 degrees F. Store large quantities in buildings designed and protected for storage of NFPA Class I flammable liquids. Contents under pressure. Do not expose to heat or store above 120 degrees F.
Hygiene Practices:	Wash thoroughly with soap and water before eating, drinking or smoking.

[To Top of page](#)**SECTION 8 : EXPOSURE CONTROLS, PERSONAL PROTECTION**

3599 838

Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Use explosion-proof ventilation equipment. Prevent build-up of vapors by opening all doors and windows to achieve cross-ventilation.
Skin Protection Description:	Use impervious gloves to prevent skin contact and absorption of this material through the skin. Nitrile or Neoprene gloves may afford adequate skin protection.
Eye/Face Protection:	Use safety eyewear designed to protect against splash of liquids.
Respiratory Protection:	A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use. A NIOSH/MSHA approved air purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Refer to safety supervisor or industrial hygienist for further information regarding personal protective equipment and its application.

Ingredient Guidelines**Ingredient:** D-LIMONENE TECH GRADE

Guideline Information: ACGIH TLV-TWA: N.E.; ACGIH TLV-STEL: N.E.; OSHA PEL-TWA: N.E.; OSHA PEL-CEILING: N.E.; MEXICAN TLV-TWA: N.E.; SKIN: NO;

Ingredient: LIQUIFIED PETROLEUM GAS

Guideline Information: ACGIH TLV-TWA: 1000 PPM; ACGIH TLV-STEL: N.E.; OSHA PEL-TWA: 1000 PPM; OSHA PEL-CEILING: N.E.; MEXICAN TLV-TWA: N.E.; SKIN: NO;

[To Top of page](#)**SECTION 9 : PHYSICAL and CHEMICAL PROPERTIES**

3599 838

Physical State/Appearance:	LIQUID
Odor:	CITRUS
Physical State:	LIQUID
pH:	ND (@ 0.0 %)
Vapor Pressure:	ND
Vapor Density:	Is heavier than air
Boiling Point:	-34 - 310 F
Freezing Point:	ND
Solubility in Water:	SOLUBLE
Specific Gravity:	1.0078
Evaporation Point:	Is faster than Ether
Viscosity:	ND
Odor Threshold:	ND

Coefficient of Water/Oil Distribution: ND
Comment: See Section 16 for abbreviation legend

[To Top of page](#)



SECTION 10 : STABILITY and REACTIVITY

3599 838

Chemical Stability: This product is stable under normal storage conditions.
Conditions to Avoid: Avoid temperatures above 120 degrees F. Avoid all possible sources of ignition.
Incompatibilities with Other Materials: Incompatible with strong oxidizing agents, strong acids and strong alkalis.
Hazardous Polymerization: Will not occur under normal conditions.
Hazardous Decomposition Products: By open flame, carbon monoxide and carbon dioxide. When heated to decomposition it emits acrid smoke and irritating fumes.

[To Top of page](#)



SECTION 11 : TOXICOLOGICAL INFORMATION

3599 838

Toxicological Paragraph: D-LIMONENE TECH GRADE- LD50: RAT 5G/KG LC50: N.E.; LIQUIFIED PETROLEUM GAS- LD50: N.E. LC50: N.E.;

[To Top of page](#)



SECTION 12 : ECOLOGICAL INFORMATION

3599 838

Ecological Paragraph: Product is a mixture of listed components. According to our raw material suppliers, all components are listed on the TSCA inventory as required or meet the polymer exemption as defined in Section 5.5.2 of the Toxic Substances Control Act.

[To Top of page](#)



SECTION 13 : DISPOSAL CONSIDERATIONS

3599 838

Waste Disposal: Dispose of material in accordance to local, state and federal regulations and ordinances. Do not allow to enter storm drains or sewer systems.

[To Top of page](#)



SECTION 14 : TRANSPORT INFORMATION

3599 838

DOT Shipping Name: AEROSOL
DOT UN Number: UN1950
DOT Hazard Class: 2.1
Comments: Hazard SubClass: .1

Resp. Guide Page 126

[To Top of page](#)



SECTION 15 : REGULATORY INFORMATION

3599 838

Applies to all ingredients:

CERCLA Section 103: This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories: FIRE HAZARD

Section 313 Toxic Release Form: This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372: No SARA Section 313 components exist in this product above de minimis levels.

OSHA 29 CFR 1200: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

State: NEW JERSEY RIGHT-TO-KNOW: The following materials are non-hazardous, but are among the top five components in this product: ALCOHOL ETHOXYLATE MIXTURE (CAS: 68439-46-3) ;PENNSYLVANIA RIGHT-TO-KNOW: The following non-hazardous ingredients are present in the product at greater than 3%: ALCOHOL ETHOXYLATE MIXTURE (CAS: 68439-46-3) ;CALIFORNIA PROPOSITION 65: WARNING: The chemical(s) noted below and contained in this product, are known to the state of California to cause cancer, birth defects or other reproductive harm: According to our raw material suppliers no Proposition 65 chemicals exist in this product above OSHA de minimis levels. All products comply with label provisions of Proposition 65.

Canada WHMIS: This MSDS has been prepared in compliance with Controlled Product Regulations except for use of the 16 headings. CANADIAN WHMIS CLASS: A B5

[To Top of page](#)



SECTION 16 : ADDITIONAL INFORMATION

3599 838

HMIS:

Health Hazard: 2*
Fire Hazard: 4
Reactivity: 0
MSDS Revision Date: 04/27/00

MSDS Author: L.J.W.

MSDS Author Phone No.: 847-816-2445

Disclaimer:

The information contained on this MSDS has been checked and should be accurate. However, it is the responsibility of the user to comply with all Federal, State, and Local laws and regulations.

Comment: N.A. - Not Applicable, N.E. - Not Established, N.D. - Not Determined : No Information.

REASONS FOR REVISION WHMIS CLASS ADDITION

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[To Top of page](#)

