




RUSTY'S LOOSE NUTS & BOLTS

SECTION 1 - IDENTIFICATION	
Product identifier:	RUSTY'S LOOSE NUTS & BOLTS
Recommended use:	Penetrating oil
Chemical name :	Mixture
Supplier :	DELPANN DISTINCTION INC. 56 Azarie-Côté Granby, QC Canada J2J 2M4 1-844-525-0302 info@10-4cleaners.com
Emergency phone:	Canutec (613) 996-6666 24 hrs

SECTION 2 - HAZARD IDENTIFICATION	
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Classification	Flammable liquid – category 4 Skin irritation – Category 3 Sensitisation, skin – Category 1B Eye irritation – Category 2B Specific target organ toxicity, single exposure; Respiratory tract irritation – category 3	
Signal word	WARNING	
Hazard statement	H227 H317 H316 H320 H335	Combustible liquid May cause an allergic skin reaction Causes mild skin irritation Causes eye irritation May cause respiratory irritation
Precautionary statement - Prevention	P103 P210 P261 P264 P271 P272 P280	Read label before use. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing dust, fume, gas, mist, vapours, spray. Wash hands thoroughly after handling. Use only outdoors or in a well-ventilated area. Contaminated work clothing should not be allowed out of the workplace. Wear protective gloves, protective clothing, eye protection, face protection.
Precautionary statement - Response	P370+P378 P302+P352 P333+P313 P321 P362+P364 P305+P351+P338 P337+P313+P333 P304+P340 P312	In case of fire: Use dry powder, CO2, water mist or foam. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical attention. Specific treatment: as symptoms occur. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation, skin irritation/rash persists: Get medical advice. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor if you feel unwell.
Precautionary statement - Storage	P403 + P233 P405	Store in a well-ventilated area. Keep container tightly closed. Store locked up.
Precautionary statement - Elimination	P501	Dispose contents/containers according to municipal, provincial and federal regulations.



SAFETY DATA SHEET

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous product	No. CAS	% (weight)
D-Limonene	5989-27-5	30 – 60 *
Ethyl lactate	97-64-3	30 – 60 *

*TRADE SECRET STATEMENT: The exact concentration of composition has been withheld as a trade secret.

SECTION 4 - FIRST AID MEASURES

Inhalation:	
	IF INHALED: remover person to fresh air and keep comfortable for breathing. If not breathing, if breathing is irregular or respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention.
Skin contact:	
	IF ON SKIN: If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing/ jewellery and wash it before reuse. Apply moisturizing cream in case of dry skin.
Eye contact:	
	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
Ingestion:	
	NEVER give anything orally if victim is losing consciousness, is unconscious or having convulsions. Rinse mouth with water thoroughly. DO NOT INDUCE VOMITING. Ask victim to drink two glasses of water. If vomiting occurs naturally, lean victim forward to reduce risks of aspiration. Continue to drink water. Obtain medical care.
Notes to physician:	
	No specific treatment. Treat according to symptoms. Contact a poison center immediately if large quantity has be ingested.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media:	In case of fire: Use water, foam, CO2, dry chemicals to extinguish.
Unsuitable extinguishing media:	Stream of water directed into the product will generate large amounts of foam.
Hazardous combustion products:	Carbon oxides.
Protective equipment:	Fire-fighters must wear protective equipment and NIOSH approved self-contained breathing apparatus.
Precautions:	Retain water run-off. Move containers away from fire area if without risk. Use water spray to keep containers cool. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Protective equipment:	
	Wear plastic or rubber gloves if large quantities of bulk are handled. (See Section 8) wear respiratory equipment if ventilation is inadequate.
Containment and clean up:	
	Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapour or mist. Use spark-proof tools and explosion-proof equipment. Ventilate spill area. Stop spill if safe to do so. Contain and absorb with an inert absorbing material (sand, earth, vermiculite, diatomaceous earth) for future disposal (See Section 13). Prevent spill from entering sewers or waterways. Retain water run-off if applicable. Inform proper authorities if necessary.
Environmental precautions:	
	Eliminate according to municipal, provincial and federal regulations. Marine pollutant. May be harmful to the environment if released in large quantities. Hazardous to aquatic environment. May cause long-term adverse effects in the aquatic environment. Prevent leaking substances from running into the aquatic environment or sewage systems.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling:	
	Containers must be identified correctly. Handle in a well-ventilated area. Avoid contact with skin, eyes and clothing. Keep container tightly closed. Maintain good personal hygiene before eating, drinking or smoking. Do not eat, drink or smoke while using the product or in proximity. Use explosion-proof equipment. Use spark-proof tools. Take precautionary measures against electrostatic discharges. Ground and bond container and receiving equipment.



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Empty containers contain residue and can be hazardous. Do not reuse container. Wash contaminated clothing before reuse. Do not ingest. Avoid breathing vapours or mist. Wear appropriate respiratory equipment if ventilation is inadequate. Do not enter storage or enclosed areas if ventilation is inadequate.	
Conditions for safe storage:	
Store in a well-ventilated place. Keep cool. Store away from incompatible materials. Keep containers closed. Store away from heat sources, sparks, flames and any sources of ignition.	
Incompatible materials:	
Strong oxidants. The product does not polymerise.	

SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure limits:			
D-Limonene	5989-27-5	ACGIH OSHA	TWA 20 ppm TWA 50 ppm
Ethyl lactate	97-64-3		No established limits.
Engineering controls:			
Local ventilation system is recommended.			
Protection of airways:			
Not required if ventilation is adequate. Wear a NIOSH approved respiratory equipment if concentrations are superior to recommended maximal limits.			
Protective equipment and clothing:			
Wear chemical / impermeable gloves or other protective clothing to prevent repeated or continuous contact with the skin during handling and usage. Wear goggles to prevent mist, vapours or dust to contact eyes. Insure that eyewash stations, showers and cleaning stations are near to work station.			
General hygiene recommendations:			
Avoid contact with skin and eyes. Avoid breathing dust, vapours or mists. Never eat, drink or smoke near work stations. Good hygiene is recommended after using this product. Clean clothing before reuse.			

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Viscous liquid
Odour:	Characteristic of the product
Odour threshold:	Not available
pH:	Not available
Melting point:	Not applicable
Initial boiling point:	Not applicable
Flash point:	61 at 93.3 °C
Evaporation rate (butyl acetate = 1):	> 1.0
Flammability:	Not applicable
LIL:	Not available
UIL:	Not available
Vapour pressure:	Not available
Vapour density (air=1):	Not available
Relative density:	Not available
Solubility:	Not soluble
Partition coefficient (n-octanol/water):	Not available
Auto-ignition temperature:	Not available
Decomposition temperature:	Not available
Viscosity:	Not available

SECTION 10 - STABILITY AND REACTIVITY

Stability and reactivity:	Stable under recommended conditions and expected usage.
Polymerisation:	No.
Conditions to avoid:	Contact with incompatible materials. Keep away from ignition sources. Do not pressurise, cut solder, weld, braze, drill, grind or expose containers to heat or sources of ignition.



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Incompatible materials:	Strong oxidants.
Hazardous decomposition products :	Carbon oxides.

SECTION 11 - TOXICOLOGICAL INFORMATION

Toxicological data:				
Hazardous ingredient	CAS	%	DL₅₀ (route, species)	CL₅₀ (species)
D-Limonene	5989-27-5	30 – 60	4400 mg/kg (rat, oral) >5000 mg/kg (rabbit, dermal)	No data.
Ethyl acetate	97-64-3	30 – 60	>2000 mg/kg (rat, oral) >5000 mg/kg (rabbit, dermal) >5000 mg/kg (rat, cutané)	No data.
Short term exposure (acute) :				
Inhalation:	Irritating to respiratory system.			
Skin:	Irritating to skin. May cause sensitisation by skin contact.			
Eyes:	Severely irritating to eyes. Risk of serious damage to eyes.			
Ingestion:	No known significant effects or critical hazards.			
Long term exposure (chronic) :				
Inhalation:	Not available			
Skin:	Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.			
Eyes:	Not available			
Ingestion:	Not available			
Carcinogenicity:	IARC 3: Not classifiable as to its carcinogenicity to humans.			
Teratogenicity:	Not available			
Mutagenicity:	Not mutagen			
Target organ:	Not available			
Conditions aggravated by exposure:	Not available			

SECTION 12 - ECOLOGICAL INFORMATION

Hazardous ingredient	CAS	%	Value	Species
D-Limonene	5989-27-5	30 – 60	EC50 696 mg/L LC50 0.702 - 0.796 mg/L	Daphnia pules, Neonate, <24hrs, 48 hrs Pimephales promelas, m 96 hrs
Ethyl acetate	97-64-3	30 – 60	EC50 560 – 763 mg/L LC50 320 – 417 mg/L NOEC 320 mg/L NOEC 180 mg/L	Daphnia magna, 48 hrs Danio rerio, 96 hrs Daphnia magna, 48 hrs Danio rerio, 96 hrs
Persistence and degradability:	Not available			
Bioaccumulation potential:	Not available			
Mobility in soil:	Not available			
Other adverse effects:	Not available			


SECTION 13 - DISPOSAL CONSIDERATIONS

Safe handling for disposal:	Store materials for elimination and contaminated packaging as indicated in Section 7 Handling and Storage.
Methods of disposal:	Dispose contents/containers according to all municipal, provincial and federal regulations.



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SECTION 14 - TRANSPORT INFORMATION

UN Number	Proper shipping name	Class	Packing group	Placard
UN1993	FLAMMABLE LIQUID N.O.S. (D-Limonène) Flash point : 61°C Limited quantity : 5 L ou 5 Kg	3	III	

SECTION 15 - REGULATORY INFORMATION

Canadian Environmental Protection Act (CEPA):	Components of this product are listed in the Domestic Substance List (DSL) or the Non-Domestic Substance List (NDSL) or are exempt.
Others :	Components of this product are listed on the TSCA or are exempt.

SECTION 16 - OTHER INFORMATION

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Abbreviations:	
ACGIH	American Conference of Governmental Industrial Hygienists
AIHA	American Industrial Hygiene Association
CAS	Chemical Abstract Service
CL / LC	Concentration létale /Lethal concentration
DL / LD	Dose létale / Lethal dose
IARC	International Agency for Research on Cancer
LES	Liste extérieure des substances (NDSL)
LIS	Liste intérieure des substances (DSL)
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program (U.S.A.)
OSHA	Occupational Safety and Health Administration (U.S.A.)
PEL	Permissible Exposure Limit
SIMDUT	Système d'information sur les matières dangereuses utilisées au travail
STEL	Short-term Exposure Limit
TLV	Threshold Limit Value
TSCA	Toxic Substances Control Act
TWA	Time Weighted Average
USEPA	United States Environmental Protection Agency
WHMIS	Workplace Hazardous Materials Information System

All information indicated in the present document are based on data supplied by recognized technical sources. While the information is believed to be accurate, the manufacturer makes no representations as to its accuracy or sufficiency. Users are responsible to verify this data under their own operating conditions to determine whether the product is suitable for their particular purposes. This information relates only to the product designated herein, and does not relate to its use in combination with any other material or in any other process.