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MATERIAL SAFETY DATA SHEET

August 06

I. PRODUCT IDENTIFICATION

Product Name: **NuWrench** - Penetrating Oil, Anti-Corrosive, Lubricant
Chemical Name: Trade Secret
Chemical Family: N/A
Formula: N/A
Molecular Weight: N/A
Synonyms: None

Caution: The user should conduct his/her own experiments and establish proper procedures and control before attempting use on critical parts.

II. EMERGENCY CONTACT

ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING CHEMICALS

(250) 391-9800 / (403) 255-1661 / (250) 478-4723 / (250) 209-0446 / (250) 514-2650 / (403) 554-2333

III. PHYSICAL DATA (Determined on Typical Data)

Specific Gravity: @25 °C 0.86 to 0.87
Vapor Pressure: (20 °C) 3mmHg
Solubility in Water: Insoluble
Physical Description: Colourless to straw yellow liquid with citrus odor
Evaporation Rate: Slow

IV. INGREDIENTS

<u>Chemical Name</u>	<u>CAS No.</u>	<u>% Weight</u>	<u>Exposure Limit</u>
Citrus Terpenes	68647-72-3	0 – 100%	N/E
Proprietary components	Plant Material	0 – 100%	N/E

Note: - All components are from plant based sources.
- Major components are rated GRAS by USFDA.
- Readily biodegradable.

V. FIRE AND EXPLOSION HAZARD DATA

Flash Point:	148 °F
Extinguishing Media:	Carbon Dioxide, Foam or Dry Chemical
Special Fire Fighting Procedures:	SCBA recommended, smother to exclude air, DO NOT use water, handle as an oil fire. Vapor Explosion Hazard.
Unusual Fire Fighting Hazards:	Combustible liquid, keep away from heat, sparks, and open flames; guard against spontaneous combustion.
Incompatibility (Materials to avoid):	Strong oxidizing agents.
Hazardous Decomposition Materials:	Burning generates carbon monoxide, carbon dioxide, and smoke.
Hazardous Polymerization:	Will not occur
Stability Considerations:	Stable

VI. HEALTH HAZARD DATA

Effects of Over Exposure:	Product is harmful if swallowed, ingestion may cause vomiting, headache, and other medical problems; may be irritating to skin and eyes. Skin contact may cause slight redness. Contains a possible skin sensitizer, eye contact can cause moderate to high irritation. Inhalation can cause nose, throat, and respiratory tract irritation, coughing, headache. Prolonged or repeated exposure can cause drying, defatting, and dermatitis of skin.
Signs and Symptoms of Over Exposure:	Product may be irritating to the skin, eyes, nose, and throat.
Medical Conditions Generally aggravated by exposure:	Persons with allergies or pre-existing conditions should avoid contact with this product.
Emergency & First Aid Procedures:	
Eyes:	Remove contact lenses at once. Flush with water for at least 15 minutes. If irritation persists seek medical attention.
Skin:	Wash affected area with copious amounts of soap and water. If irritation develops, seek medical attention.
Ingestion:	Seek medical attention immediately. DO NOT induce vomiting. Rinse mouth with water, then drink one glass of water. DO NOT leave victim unattended. Never give anything by mouth if victim is unconscious, is rapidly losing consciousness, or is convulsing.
Inhalation:	If symptoms of overexposure are experienced, evacuate to fresh air. If symptoms persist, seek medical attention.

VII. SPILL OR LEAK PROCEDURES

Steps to be taken if material is released or spilled: Mop up or soak up with an absorbent material, move leaking containers to well-ventilated area or transfer into a secure container. No smoking. Eliminate any source of ignition, minimize inhalation. Use NIOSH approved respiratory protection device, CAUTION slippery on floor.

Waste Disposal Method: Incinerate or dispose in accordance with Local, State, and Federal Regulations. Taking regulations into consideration, waste may be incinerated or handled through EPA Spill Control Plan via landfill or dilution.

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VIII. SPECIAL PROTECTION INFORMATION

Respiratory Protection: Not normally required. If vapor concentration becomes high, use NIOSH approved respirators.
Ventilation: Use ventilation as desired.
Skin Protection: Oil resistant gloves
Eye Protection: Oil resistant goggles
Other Protective Equipment: Oil resistant apron
Appropriate Hygienic Practices: Wash thoroughly after handling. Launder contaminated clothing before re-use.

IX. TRANSPORTATION INFORMATION

TDG Status: Hazardous DOT Label/Placard: per requirements for Combustible Liquids
IMO Status: Not Hazardous Highway/Rail: per requirements for Combustible Liquids
IATA Status: Not Hazardous Air/Ship: per requirements for Flammable Liquids

SHIPPING CLASSIFICATION:

DOT Proper Shipping Name: Combustible Liquid, N.O.S. (d'limonene)
Hazard Class: 3
Identification No: NA1993
Packing Group: III

The listed transportation classification does not address regulatory variations due to changes in package size, mode of shipment or other regulatory descriptions.

National Fire Protection Association Hazard Rating: 1 Health Hazard - Slight
2 Flammability - Moderate
0 Reactivity - Minimal

X. PACKAGING

NuWrench may be packaged in epoxy-lined containers or fluorinated plastic containers .

XI. STORAGE AND HANDLING

Handling and Storage Precautions: Store in a warehouse with a fire prevention system. Avoid contact with incompatible chemicals listed in Section IV. Store in tightly sealed full containers in well-ventilated controlled warehouse conditions. Partially filled containers should be blanketed with nitrogen.

Other Precautions: Product may expand slightly in storage causing pressure to build in container. Open container carefully if product appears to be under pressure. Drum lining may occasionally chip and fall to bottom of container after long storage or excessive handling. As a precaution, pour liquid through filter/strainer to catch small pieces of liner before blending or repackaging. Commercially clean empty containers before re-use. CAUTION: Do not weld or cut empty containers (Vapors May Ignite).

The information contained herein is based on current knowledge and experience: no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information obtained by the user. No warranty is expressed or implied regarding the accuracy of this data, the results to be obtained from the use thereof, or that any such use will not infringe any patent. Users should make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials, the safety and health of employees and customers, and the protection of the environment. This information is furnished upon the condition the person receiving it shall determine the suitability for the particular purpose. This MSDS is to be used as a guideline for safe work practices and emergency response.