



SAFETY DATA SHEET

T&R CHEMICALS INC.

Date: January, 2015
1.- PRODUCT IDENTIFICATION & COMPANY

Distributed By:
J.H. CALO COMPANY, INC.
A DIVISION OF R.E. CARROLL, INC.
1570 NORTH OLDEN AVENUE
EWING, N.J. 08638-3204
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1.1 Product identification.
Trade name (as labeled) EL PINOL 90 % PINE OIL 90
Chemical Name Pine Oil (Terpene Alcohols)
CAS Number m: 8002-09-3

1.2. Relevant identified use of the substance or mixture and uses advised against
Recommended use: This product is only intended for use as an ingredient in the manufacture of mixtures.
Uses advised against: None known uses against.
For manufacture uses only.

1.3. Details of the supplier of the data sheet:
Supplier T&R Chemicals. Inc.
Address 700 Celum Road
Clint, Texas 74836 USA
Phone (915) 8512761
Fax (915) 8512961
E-mail office@trchemicals.com, martin@trchemicals.com

1.4. Emergency Telephone number
1.4.1. For emergency health, safety and environmental information: (915) 8512761 in the United States and Canada
Contact: Sales department Martin Lopez e-mail martin@trchemicals.com
1.4.2. For emergency transportation information: (915) 8512761 in the United States and Canada
Contact: Sales department Martin Lopez
e-mail: martin@trchemicals.com

2.- HAZARDS IDENTIFICATION

2.1. Classification of the sub substance or mixture
2.1.1. Classification according to the Regulation (EC) No. 1272/2008
Flammable liquid. Hazard Category 3
Aspiration hazard Category 1
Sensitization – Skin, Hazard Category
Hazardous to the aquatic environment – Acute hazard, Category acute 1.
Hazardous to the aquatic environment - Long term hazard, category chronic 1.

2.1.2. Classification according to the directive 67/548 EEC
Hazard Symbols
Xn: Harmful
N: Dangerous to the environment
Risk Phrases:
R10 Flammable
R43 May cause sensitization by skin contact.
R50/53 Very toxic to the aquatic organisms may cause long-term adverse effects in the aquatic environment.
R65 Harmful may cause lung damage if swallowed.

2.2 Label elements:



Signal Word: Danger

2.2.1 Hazard Statements:
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airway
H317: May cause allergic skin reaction
H410: Very toxic to the aquatic life with long lasting effects.

2.2.2. Precautionary statements:
P210: Keep away from heat/parks/open flames/hot surfaces – No smoking.
P273: Avoid release o the environment.
P280: Wear protective gloves/eye protection/face protection



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P301+P310: IF SLOWED: Immediately call a Doctor/Physician
P302+P352: IF ON SKIN: Wash with plenty of soap and water
P331: DO NOT induce vomiting

3.- COMPOSITION / INFORMATION ON INGREDIENTS

OSHA Hazardous Ingredient:	CASRN:	EINECS Number:	Exposure Limits in Air (give units) ACCGIH TLV OSHA PEL Other (specify) TLV-100 p.p.m.
Pine Oil (Terpene Alcohols)	8002-09-3	304-455-9	
EU Classifications (refer to Section 16 for descriptions):			
Symbol(s)	Risk Phrase Code(s)	Safety Phrase Code(s)	
Xi	R36/38	S24/25	

4.- FIRST AID MEASURES

SKIN > Take off contaminated clothing. Immediately rinse skin with plenty of soap and water for 15-20 minutes. Call a poison control center or get immediate medical attention.

EYE > Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after first 5 minutes, then continue rinsing eye. Call a poison control center or get immediate medical attention.

INHALATION > Seek fresh air immediately. If breathing is difficult, get medical attention.

INGESTION > Immediately call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. Do NOT induce vomiting. Get immediate medical attention.

NOTES TO PHYSICIAN > Probably mucosal damage may contraindicate to use of gastric lavage. Aspiration of the vomitus may cause lung damage.

5.- FIRE FIGHTING MEASURES

SUITABLE FIRE EXTINGUISHING MEDIA > Dry chemical, carbon dioxide or foam.

UNSUITABLE FIRE EXTINGUISHING MEDIA > If water must be used, use as a spray only.

SPECIAL EXPOSURE HAZARDS > Avoid heat, sparks and open flames.

HAZARDOUS DECOMPOSITION PRODUCTS > Carbon dioxide, carbon monoxide, acrid fumes.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS > Standard turnout gear for combustible liquids.

6.- ACCIDENTAL RELEASE MEASURES

6.1. **PERSONAL PRECAUTIONS** > Standard turnout gear for combustible liquids.

6.2. **ENVIRONMENTAL PRECAUTIONS** > This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.

CLEANUP PROCEDURES > Small spills should be absorbed by dirt, sand, or other suitable absorbent. Large spills may be pumped into closed containers for recovery or disposal.

7.- HANDLING & STORAGE

HANDLING > Wear goggles of face shield and rubber gloves when handling.

STORAGE > Do not contaminate water, food or feed by storage or disposal. Store in a well ventilated area

VENTILATION > Local mechanical exhaust may be needed in confined and warm areas.

SAFETY STATIONS > An eyewash station and a safety shower should be readily available and clearly marked.

8.- EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. **EXPOSURE LIMITS** > None found.

8.2. **EXPOSURE CONTROLS:**

8.3. **RESPIRATORY PROTECTION** > A respirator is not normally required. If vapor concentration is suspected to be high, use a NIOSH approved organic vapor respirator.

8.4. **EYE PROTECTION** > Wear goggles or full face shield.

8.5. **HAND PROTECTION** > Wear standard industrial type rubber gloves.

8.6. **SKIN PROTECTION** > Wear protective clothing including long sleeves and rubber gloves to prevent prolonged or repeated skin contact.

8.7. **PERSONAL HYGIENE** > Wash hands and other exposed areas of skin with soap and water after handling the material.

8.8. **ENVIRONMENTAL CONTROLS** > Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or regional office of the EPA.



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9.- PHYSICAL & CHEMICAL PROPERTIES

9.1. General Information:

Appearance Pale Yellow Liquid
Odor Pine-type

9.2. Important Health, Safety and Environmental Information:

Vapor density (air = 1) Not available
Specific gravity 0.9445 @ (15°C)
Solubility in water 1%
Vapor pressure, mmHg at 20°C Not available
Boiling point or range, °F 365
Evaporation rate (butyl acetate=1) Greater than 1
Flash Point 79 °C (174 °F) Closed cup method

HOW TO DETECT THIS SUBSTANCE* (warning properties of substance as a gas, vapor, dust, or mist)
Characteristic odor of Pine.

10.- STABILITY & REACTIVITY

- 10.1. STABILITY ► Substance is stable and unreactive under conditions of normal use.
10.2. CONDITIONS TO AVOID ► Prolonged or excessive heat and/or exposure to air may cause non-hazardous decomposition and/or oxidation of substance.
10.3. MATERIALS TO AVOID ► Avoid contact with strong acids, bases and materials that react with unsaturated hydrocarbons and alcohols.
10.4. HAZARDOUS DECOMPOSITION PRODUCTS ► Carbon dioxide, carbon monoxide, acrid fumes.

11.- TOXICOLOGICAL INFORMATION

- 11.1. Primary Target Organs Eyes, skin.
11.2. Primary Entry Route(s) Eyes, skin.
11.3. Medical Conditions Aggravated by Overexposure. No known conditions.
11.4. Acute Toxicity:
Parameter: Result:
11.4.1. Acute Oral Toxicity LD50 (rat): 2760 mg/kg
11.4.2. Acute Inhalation Toxicity Not determined
11.4.3. Acute Dermal Toxicity Not determined
11.4.4. Eye Irritancy Material is a primary eye irritant.
11.4.5. Dermal Irritancy Material is a primary skin irritant (Irritation Index = 5.1)
11.4.6. Skin Sensitization Not determined
11.4.7. Mutagenicity Not determined
11.4.8. Teratogenicity Not determined

12.- ECOLOGICAL INFORMATION

- 12.1. Ecotoxicity Toxic to Fish and Aquatic Organisms.
12.2. Mobility Not determined
12.3. Persistence and Degradability Not determined
12.4. Bioaccumulation Potential Not determined
12.5. Ozone Depleting Substances None
12.6. Volatile Organic Compounds 126 G/L

13.- DISPOSAL CONSIDERATIONS

- 13.1. DISPOSAL METHODS ► This material, if discarded, is not considered a hazardous waste by EPA regulations 40 CFR 261.
13.2. SAFE HANDLING OF WASTES ► Refer to Section 8 for information pertaining to personal protective equipment and exposure controls when handling this material for disposal.
13.3. COMMUNITY PROVISIONS ► Dispose of this material in accordance with local and State regulations.
13.4. DISPOSAL OF CONTAINERS ► Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

14.- TRANSPORT INFORMATION:

- 14.1. International carriage of dangerous goods by Road transport (ADR)
Proper shipping name Flammable Liquid, (pine oil).
UN No. UN1272
Packing group III.
Class 3
1.4.2. Air transport (ICAO/IATA)
Proper shipping name Flammable Liquid, (pine oil).
UN No. UN1272
Packing group III.



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Class	3
1.4.3. Sea transport (IMDG)	
Proper shipping name	Flammable Liquid, (pine oil).
UN No.	UN1272
Packing group	III.
Class	3
Marine pollutant:	Yes
15.- REGULATORY INFORMATION	
15.1. CHEMICAL INVENTORIES STATUS	
U.S.A. TSCA	Compliant
European Community (EINECS)	Compliant
Canada (DSL)	Compliant
Australia (AICS)	Compliant
Japan (IEC)	Not compliant
Korea (KECI/ECL)	Compliant
Philippines (PICCS)	Compliant
China (SEPA/CICS)	Compliant
USA – FEDERAL:	
SARA Title III Section 302/304	None
SARA Title III Section 311/312	Yes
SARA Title III Section 313	None
Hazardous Air Pollutants	None
USA – STATES	
New Jersey RTK:	Pine Oil CAS RN 8002-09-3: 100%
16.- OTHER INFORMATION	
EU Classifications:	
Symbol Code(s):	Symbol Phrase(s):
Xi	Irritant
Risk Phrase Codes:	Risk Phrases
R10	Flammable
R43	May cause sensitization by skin contact.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R36/38	Irritating to eyes and skin
R65	Harmful may cause lung damage if swallowed
Safety Phrase Codes:	Safety Phrases
S24/25	Avoid contact with eyes and skin
U.S. NPCA/HMIS RATINGS:	
Health	1 Slightly Hazard
Flammability	2 Moderate Hazard
Reactivity	1 Slightly Hazard
Personal Protection*	C

*This rating will generally suffice for normal operating conditions. Please note however, that the type of personal protection utilized may change based on specific use conditions (refer to Section 8).

DISCLAIMERWe can not anticipate all conditions under which this information and our products, or the products of other manufacture in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Users are advised to make their own tests to determine the safety and suitability of each such product or product combination for their own purpose. Unless otherwise agreed in written. We sell the products without warranty, and buyers and users assume all responsibility and liability for loss or damage arising from the handling and use of our products, whether used alone or in combination with other products.