SAFETY DATA SHEET

This SDS Complies With 29 CFR 1910.1200 (The Hazard Communication Standard)

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Section I - Product & Company Identification

Product identifier

Product name : TAR JEL

Product form: Liquid

Relevant identified uses of the substance or mixture: Solvent degreaser.

Details of the supplier of the safety data sheet

Distributor:

Continental Research Corporation, P. O. Box 15204, St. Louis, MO 63110

Phone: 1- 800-325-4869

Emergency telephone number

Emergency number: 1-888-255-3924 (CHEM-TEL)

Section II – Hazards Identification

Classification

Flammable Liquids- Category 2

Acute Toxicity-Inhalation- Category 4

Serious eye damage/Eye Irritation - Category 2B

Skin corrosion/ irritation - Category 2

Reproductive toxicity - Category 2

Specific target organ toxicity- single exposure (Category 3), Central nervous system.

Specific target organ toxicity- repeated exposure (Category 2)

Aspiration hazard – Category 1

Acute aquatic toxicity – Category 2

Chronic aquatic toxicity – Category 2

Pictogram

Signal Word

Danger

Hazard Statements

Highly flammable liquid and vapor.

Harmful if inhaled.

May be fatal if swallowed and enters airways.

Causes skin and eye irritation

May cause drowsiness or dizziness.

Suspected of damaging fertility or the unborn child.

May cause damage to organs through prolonged or repeated exposure.
Toxic to aquatic life with long lasting effects.

Precautionary Statements – Prevention

Do not handle until all safety precautions have been read and understood.
Keep away from heat/sparks/open flames/hot surfaces- No smoking.
Keep container tightly closed.
Ground/bond container and receiving equipment.
Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Use in well-ventilated area.
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
In case of inadequate ventilation, wear respiratory protection.
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing mist/vapors/spray.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.

Precautionary Statements – Response

In case of fire: Consider carbon dioxide, dry chemical, dry sand or alcohol resistant foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation occurs
IF ON SKIN: Take off contaminated clothing and wash before reuse. Wash with plenty of soap and water. If irritation occurs get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call POISON CENTER/doctor if you feel unwell.
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell. Rinse mouth

Precautionary Statements – Storage

Store in a well ventilated place. Keep container tightly closed. Store locked up.

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Section III –Composition/Information on ingredients

Mixture

Name	CAS No.	Weight %
Kerosene	8008-20-6	30-40
Toluene	108-88-3	30-40
Distillates(Petroleum), hydrotreated light	64742-47-8	20-30
Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine	68584-24-7	1-5
Nonylphenol, ethoxylated	127087-87-0	1-5

Any concentration shown as a range is to protect confidentiality or is due to process variation.

Section IV – First Aid Measures

First Aid Measures

Inhalation: Remove to fresh air. If breathing stops, provide artificial respiration. If symptoms persist, call a physician.

Eye Contact: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation persists.

Ingestion: Rinse mouth. Call a POISON CENTER or doctor/physician. Immediate medical attention required.

Skin Contact: Remove contaminated clothing, wash victim with plenty of water. If skin irritation persists, call a physician.

Most Important Symptoms and Effects, both Acute and Delayed

Symptoms

May cause skin irritation and redness, serious eye irritation with watering and redness, inhalation may cause drowsiness, dizziness, nausea, headache.

Indication of any Immediate Medical Attention and Special Treatment Needed

Note to Physicians: Treat symptomatically. Symptoms may be delayed.

Section V – Fire Fighting Measures

Suitable Extinguishing Media
Alcohol resistant foam, dry chemical or carbon dioxide.

Unsuitable Extinguishing Media: High volume water jet.

Specific Hazards Arising from the Chemical
Carbon oxides

Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, NIOSH approved and full protective gear.

Section VI –Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Use personal protective equipment as required. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Evacuate personnel to safe area.

Methods and Material for Containment and Cleaning Up

Methods for Containment: Eliminate all ignition sources. Prevent further leakage or spillage if safe to do so. Prevent discharge to open bodies of water, municipal sewers, and watercourses.

Methods for Cleaning Up: Use non-combustible material like vermiculite, sand or earth to soak up the product and place into a suitable container for later disposal.

Section VII – Handling & Storage

Precautions for Safe Handling

Advice on Safe Handling: Avoid breathing mists or vapors. Avoid all personal contact. Potentially toxic/irritating fumes/vapors may be evolved from material. Use only with adequate ventilation. Do not enter storage areas or confined spaces unless adequately ventilated. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source). Use proper bonding and/or ground procedures.

Conditions for Safe Storage, Including any Incompatibilities

Storage Conditions: Keep containers tightly closed in a dry, cool and well-ventilated place.

Section VIII – Exposure Controls/ Personal Protection

Exposure Guidelines

Chemical Name	CAS #	ACGIH TLV	OSHA PEL	NIOSH
Kerosene	8008-20-6	200 mg/m^3	No data available	100 mg/m^3
Toluene	108-88-3	20 ppm	200 ppm	100 ppm TWA
Distillates(Petroleum), hydrotreated light	64742-47-8	212 ppm 1200 mg/m^3	No data available	No data available
Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine	68584-24-7	No data available	No data available	No data available
Nonylphenol, ethoxylated	127087-87-0	No data available	No data available	No data available

Appropriate Engineering Controls

Engineering Controls: Provide adequate ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value.

Individual Protection Measures, such as Personal Protective Equipment

Eye/Face Protection: Wear approved chemical safety goggles/face shield where a splash hazard exists. Eyewash station is recommended.
Hand protection: Chemical resistant protective gloves should be worn to prevent skin contact., Suitable materials may include, chloroprene rubber (Neoprene), nitrile rubber (Buna N), butyl rubber, depending upon conditions of use.
Skin and Body Protection: Wear suitable protective clothing. Cover as much of the exposed skin as possible to prevent all skin contact.,
Respiratory Protection: When workers are facing concentrations above the occupational exposure limits they must use appropriate certified respirators. When atmospheric levels may exceed the occupational exposure limit (PEL or TLV) NIOSH-certified air-purifying respirators equipped with an organic vapor sorbent and particulate filter can be used as long as appropriate precautions and change out schedules are in place. For emergency or non-routine, high exposure situations, including confined space entry, use a NIOSH-approved full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.
General Hygiene Considerations: Handle in accordance with good industrial hygiene and safety practice.

Section IX – Physical & Chemical Properties

Information on Basic Physical and Chemical Properties

Physical State	Liquid
Color	Amber

Property	**Values**
pH	No data available
Melting Point/Freezing Point	No data available
Boiling Point/Boiling Range	110-230 ^{o} C (230-347 ^{o} F)
Flash Point	29.4 ^{o} C (85 ^{o} F)

Evaporation Rate	No data available
Flammability (Solid,Gas)	n/a-liquid
Upper Flammable Limits	No data available
Lower Flammable Limits	No data available
Vapor Pressure	No data available
Vapor Density	No data available
Specific Gravity	0.84
Water Solubility	emulsifiable in water
Solubility in Other Solvents	No data available
Partition Coefficient	No data available
Autoignition Temperature	No data available
Decomposition Temperature	No data available
Kinematic Viscosity	No data available
Dynamic Viscosity	No data available
Explosive Properties	Not an Explosive
Oxidizing Properties	No data available
Odor	Light aromatic
Odor Threshold	No data available

Section X – Stability & Reactivity

Reactivity

No corrosive effect on metal. Not an oxidizer

Chemical Stability

Stable under recommended storage conditions.

Possibility of Hazardous Reactions

Vapors may form explosive mixture with air.

Conditions to Avoid

Heat, sparks, flames.
Extremes of temperature and direct sunlight.

Incompatible Materials

Strong oxidizing agents, strong acids, strong bases, amines.

Hazardous Decomposition Products

carbon monoxide, carbon dioxide, nitrogen oxide.

Section XI - Toxicological information

Information on Likely Routes of Exposure

Product Information :

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

This product as a whole has not been tested for acute toxicity; the following is based on component data:

Chemical Name	CAS #	Oral LD50	Dermal LD50	Inhalation LC50
Kerosene	8008-20-6	2,835 mg/kg (Rabbit)	No data available	No data available
Toluene	108-88-3	>5,580 mg/kg (Rat)	12,196 mg/kg (Rabbit)	12,500-28,800 mg/m^3 (Rat) 4 h
Distillates(Petroleum), hydrotreated light	64742-47-8	No data available	No data available	No data available
Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine	68584-24-7	500-2000 mg/kg(Rat)	>2000 mg/kg (Rabbit)	No data available
Nonylphenol, ethoxylated	127087-87-0	>3310 ml/kg (Rat)	>2000 mg/kg (Rabbit)	No data available

Chemical Name	Kerosene	Toluene
Skin corrosion/irritation	Irritating to skin	Irritating to skin
Serious eye damage/irritation	No data available	No irritation
Respiratory or skin sensitization	No data available	No data available
Mutagenicity	No data available	Liver, DNA damage
Carcinogenicity	Not listed	3-Group 3 not classifiable
Reproductive toxicity	No data available	Fetotoxicity
Specific target organ toxicity-Single exposure	Inhalation-respiratory system	No data available
Specific target organ toxicity-repeated exposure	No data available	No data available
Aspiration hazard	May be fatal if swallowed and enters airways	May be fatal if swallowed and enters airways

Chemical Name	Distillates(Petroleum), hydrotreated light	Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine
Skin corrosion/irritation	Irritating to skin	Irritating to skin
Serious eye damage/irritation	Serious eye irritation	Serious eye irritation
Respiratory or skin sensitization	No data available	No data available
Mutagenicity	No known significant effects	No data available
Carcinogenicity	No known significant effects	Not listed
Reproductive toxicity	No known significant effects	Not expected to cause.
Specific target organ toxicity-Single exposure	Narcotic effects	No data available
Specific target organ toxicity-repeated exposure	No data available	No data available
Aspiration hazard	May be fatal if swallowed and enters airways	No data available

Chemical Name	Nonylphenol, ethoxylated
Skin corrosion/irritation	Irritating to skin
Serious eye damage/irritation	Serious eye irritation
Respiratory or skin sensitization	Does not cause sensitization
Mutagenicity	No data available
Carcinogenicity	No carcinogenic properties
Reproductive toxicity	Not expected to cause
Specific target organ toxicity-Single exposure	No data available
Specific target organ toxicity-repeated exposure	No data available
Aspiration hazard	Not a hazard

Delayed and Immediate Effects as well as Chronic Effects from Short and Long-term Exposure

Carcinogenicity: This product does contain carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.

Numerical Measures of Toxicity: Not determined

Section XII - Ecological information

Ecotoxicity

There is no data available for this product as a whole.

Chemical Name	CAS #	Algae/aquatic plants	Fish	Aquatic invertebrates
Kerosene	8008-20-6	No data available	No data available	No data available
Toluene	108-88-3	EC50-Chlorella vulgaris (Fresh water algae)- 245 mg/l 24 h EC50-Pseudokirchnereilla subcapitata (Green algae)- 10 mg/l -24 h	LC50-Oncorhynchus mykiss (rainbow trout) 7.63 mg/l -96 h LC50 Fathead minnow (Pimephales promelas) 5.44 mg/l, 7 d	EC50 Daphnia magna(Water flea)- 8.00 mg/l -24 h
Distillates(Petroleum), hydrotreated light	64742-47-8	No data available	No data available	No data available
Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine	68584-24-7	EC50 Algae 50-100 mg/l 72 h	LC50 Fish 1.18-6.5 mg/l, 96 h	EC50 Daphnia 6.9 mg/l 48 h
Nonylphenol, ethoxylated	127087-87-0	No data available	LC50 Fathead minnow (Pimephales promelas) 73-96 mg/l, 96 h	No data available

Persistence and Degradability

No data available

Bioaccumulation

No data available

Mobility

No data available

Section XIII - Disposal considerations

Waste Disposal Method

Dispose of material in accordance with all Federal, State and local regulations. Local regulations may be more stringent than Federal or State. Avoid discharge to sewers or waterways.

Section XIV - Transport information

DOT Proper Shipping Description:

Bulk & Non Bulk: NA1993, compounds cleaning liquid (Toluene, Distillates (Petroleum), hydrotreated light, 3, PGIII

Section XV - Regulatory information

SARA Title III Section 311/312 (40CFR370): Fire, acute, chronic health hazards.
SARA Title III Section 313 (40CFR372): Toluene,
RCRA Status (40CFR261.33): No reportable components.
TSCA Inventory Status: Reported/included
OSHA/NTP/IARC Carcinogen Status: Not listed
Canadian DSL Status: No data available
Chemicals Known to the State of California to Cause Cancer or Reproductive Toxicity: Toluene,

U.S. State Right-to-Know Regulations

Chemical Name	New Jersey	Massachusetts	Pennsylvania
Kerosene	X	X	X
Toluene	X	X	X
Distillates(Petroleum), hydrotreated light	Nonane	Nonane	Nonane
Benzenesulfonic acid, C10-16-alkyl derivs.,compds, with isopropylamine	Not listed	Not listed	Not listed
Nonylphenol, ethoxylated	Not listed	Not listed	Not listed

Section XVI - Other information

HMIS ratings: Health: 2 Flammability: 3 Reactivity: 0

Indication of changes: Revision – 1

Date Sheet Prepared: 04/15/2015 Other information: Author – EHS Administrator

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The information herein is presented in good faith and believed to be correct as of the date hereof. However, the manufacturer makes no representation as to the completeness and accuracy thereof. Users must make their own determination as to the suitability of the product for their purposes prior to use.

No representations or warranty's, either express or implied of merchantability, fitness for a particular purpose or of any other nature with respect to the product or to the information herein is made hereunder. The manufacturer shall in no event be responsible for any damages of whatsoever nature directly or indirectly resulting from the publication or use of or reliance upon information contained herein.

END OF SDS