



Safety Data Sheet

Revision Date: 05/31/2018

SECTION 1: Identification and Company Details

Product Name: 1902-F MASTER FORMULA - Primary Cleaner and Thinner
Product Code: 1902
Manufacturer/ Supplier: Roberts Consolidated Industries, Inc.
Address: 300 Cross Plains Blvd.
Dalton, GA 30721
Phone: (706)-277-5294
Emergency Phone: (800) 424-9300 (24-hour Response / CHEMTREC)
Recommended Use: Adhesive Cleaner

SECTION 2: Hazard(s) Identification

WHMIS/OSHA Status: This material is considered hazardous by WHMIS 2015 and the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Classification of the substance or mixture: Flammable Liquid- Category 2
Skin corrosive- Category 2
Eye corrosive – 2A (Eye irritant: Subcategory 2A)
Mutagen- Category 1B
Carcinogen- Category 1B
Reproductive toxin- Category 1A
Aspiration hazard- Category 1

Signal Word: Danger

Hazard Statements: Highly flammable liquid and vapour
May be fatal if swallowed and enters airways
Causes skin irritation
Causes serious eye irritation
May cause genetic defects
May cause cancer
May damage fertility or the unborn child

Hazard Pictograms: 

Precautionary Statements: Obtain special instructions before use
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/light/equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Wash thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection

Do NOT induce vomiting
 Take off contaminated clothing and wash before reuse
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
 IF ON SKIN: Wash with soap and water
 IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing
 IF exposed or concerned: Get medical advice/ attention
 If skin irritation occurs: Get medical advice/ attention
 Store locked up
 Dispose of contents/ container in accordance with local authority requirements. Incineration is the preferred method of disposal.

SECTION 3:	Composition / Information on Ingredients	Weight %	CAS #
	ALIPHATIC PETROLEUM DISTILLATES (A.P.D, LACOLENE)	59%	64742-89-8
	METHYL ETHYL KETONE	21%	78-93-3
	TOLUENE	20%	108-88-3

SECTION 4: First-Aid Measures

Inhalation: Move victim to fresh air. Consult physician if necessary.
Skin Contact: Wash with soap and water. Remove contaminated clothing. Consult physician if necessary.
Eye Contact: Flush with copious amounts of water for at least 15 minutes. Remove contact lenses if possible. Consult physician if necessary.
Ingestion: Do not induce vomiting. Wash mouth with water. Consult physician.
Note to Physician: **Eyes:** Stain for evidence of corneal injury. If cornea is burned, instill antibiotic steroid preparation. **Skin:** This compound is a known skin sensitizer. Treat symptomatically as for contact dermatitis or thermal burns. If burned, treat as thermal burn. **Ingestion:** Treat symptomatically. There is no specific antidote. Inducing vomiting is contraindicated because of the irritating nature of this compound. **Respiratory:** Treatment is essentially symptomatic. Remove individual with symptoms from exposure and assist in breathing if necessary.

SECTION 5: Fire-Fighting Measures

Flash Point: -10°C (14°F)
LEL: 1.00
Extinguishing Media: In case of fire use a fire fighting agent suitable for flammable liquids such as dry chemical or carbon dioxide to extinguish.
Hazardous Combustion Products: Carbon monoxide, carbon dioxide, various hydrocarbons.
Protection of Firefighters: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Water may not effectively extinguish fire; however, it should be used to keep fire- exposed containers and surfaces cool and prevent explosive rupture.

SECTION 6: Accidental Release Measures

Personal Precautions: Use protective gloves, goggles and suitable protective clothing. Ventilate the area with fresh air.
 Evacuate area. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Use only non-sparking tools.
Environmental Precautions: Do not allow product to get into drains, soil, or surface water.

Methods of Clean-up: Contain spill. Cover spill area with a fire-extinguishing foam. Working from around the edges of the spill inward, cover with bentonite, vermiculite, or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Ventilate the area with fresh air. Read and follow safety precautions on the solvent label and SDS. Seal the container. Dispose of collected material as soon as possible.

SECTION 7: Handling and Storage

Handling Precautions: Provide good ventilation. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use only non-sparking tools. Take precautionary measures against static discharge. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing. Do not eat, drink or smoke when using this product. Wash thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wash contaminated clothing before reuse. Avoid contact with oxidizing agents (eg. chlorine, chromic acid etc.)

Storage: Keep separate from food, feedstuffs, fertilizers and other sensitive material. Store in closed original container at temperatures between 5°C and 30°C/ 40°F and 86°F. Protect from freezing and direct sunlight. Store away from oxidizing agents.

SECTION 8: Exposure Control / Personal Protection

Exposure Guidelines: Not determined

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment:

Skin Protection - Permeation resistant gloves (butyl rubber, nitrile rubber, PVC or polyvinyl alcohol).

Eye/Face Protection - Glasses with side shields, chemical splash goggles and/or face shield.

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
ALIPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE) 64742-89-89	Not Established	Not Established	Not Established
METHYL ETHYL KETONE TWA; 78-93-3	200ppm TWA; 590mg/m3 TWA	300 ppm STEL 200 ppm TWA	200 ppm TWA 590 mg/m3 TWA 300 ppm STEL; 885 mg/m3 STEL
TOLUENE TWA; 108-88-3	200 ppm TWA	20 ppm TWA	NIOSH: 200ppm 375 mg/m3 TWA 150 ppm STEL; 560 mg/m3 STEL

SECTION 9: Physical and Chemical Properties

Appearance: Clear liquid
Odor: Solvent odor
Relative Density: 0.76
Odor Threshold: Not available
Solubility: Negligible
pH: Not applicable
Partition Coefficient: n-octanol/water; Not determined
Melting Point Not determined

Freezing Point: Not determined
Auto-ignition Temperature: 450° F
Flash Point: -10°C/ 14 ° F
Decomposition Temperature: Not determined
Evaporation Rate: Not determined
Viscosity: Not determined
Flammability (Solid/Gas): Not applicable
Upper/Lower Flammability: Not determined
VOC Content: 761.7 grams/liter
Vapor Pressure (mmHg at 20c): Heavier than air
Boiling Point: 80°C (176°F)

SECTION 10: Stability and Reactivity

Chemical Stability: Stable under normal temperature conditions and recommended use.
Conditions to Avoid: Excessive heat (sparks and/or flames), direct sunlight and/or frost.
Materials to Avoid: Strong oxidizing agents.

SECTION 11: Toxicological Information

Mixture Toxicity

Oral Toxicity LD50: 3,591mg/kg
 Dermal Toxicity LD50: 3,918 mg/kg
 Inhalation Toxicity LC530: 61mg/L

Component Toxicity

64742-89-8	ALIPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE)	
	Oral LD50: 5,000 mg/kg (Mouse)	Dermal LD50: 3,000mg/kg (Rabbit)
78-93-3	Methyl ethyl ketone	
	Oral LD50: 2,483 mg/kg (Rat)	Dermal LD50: 5,000mg/kg (Rabbit)
108-88-3	TOLUENE	
	Oral LD50: 2,600mg/kg (Rat)	Inhalation LC50: 13mg/L (Rat)

Acute toxicity:

Ingestion: Gastrointestinal Irritation: Signs/symptoms may include abdominal pain, stomach upset, nausea, vomiting and diarrhea.
Inhalation: Respiratory Tract Irritation: Signs/symptoms may include cough, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
Skin Contact: Signs/symptoms may include localized redness, swelling, itching, dryness, cracking, blistering, and pain. Allergic Skin Reaction (non-photo induced): Signs/symptoms may include redness, swelling, blistering, and itching.

SECTION 12: Ecological Information

Component Ecotoxicity

ALPHATIC PETROLEUM DISTILLATES (A.P.D., LACOLENE)	72 Hr EC50 <i>Pseudokirchneriella subcapitata</i> : 4,700 mg/L
Methyl ethyl ketone	96 Hr LC50 <i>Pimephales promelas</i> : 3,130-3,320 mg/L [flow-through] 48 Hr EC50 <i>Daphnia magna</i> : >520 mg/L; 48 Hr EC50 <i>Daphnia magna</i> : 5,091 mg/L 48 Hr EC50 <i>Daphnia magna</i> : 4025 - 6440 mg/L [Static]
TOLUENE	96 Hr LC50 <i>Pimephales promelas</i> : 15.22 - 19.05 mg/L [flow-through] (1 day old); 96 Hr LC50 <i>Pimephales promelas</i> : 12.6 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 5.89 - 7.81 mg/L [flow-through]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 14.1 - 17.16 mg/L [static]; 96 Hr LC50 <i>Oncorhynchus mykiss</i> : 5.8 mg/L [semi-static];

96 Hr LC50 Lepomis macrochirus: 11.0 - 15.0 mg/L [static]; 96 Hr LC50 Oryzias latipes: 54 mg/L [static]; 96 Hr LC50 Poecilia reticulata: 28.2 mg/L [semi-static]; 96 Hr LC50 Poecilia reticulata: 50.87 - 70.34 mg/L [static] 48 Hr EC50 Daphnia magna: 5.46 - 9.83 mg/L [Static]; 48 Hr EC50 Daphnia magna: 11.5 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: >433 mg/L; 72 Hr EC50 Pseudokirchneriella subcapitata: 12.5 mg/L [static]

Mobility and Bioaccumulation Potential: Not determined
Degradation: Not determined
Aquatic Toxicity: Not determined
LC50 – 24 hour (Static): Not determined

SECTION 13: Disposal Considerations

Disposal: Dispose of waste and residues in accordance with local authority requirements. Incineration is the preferred method of disposal.
Wastes or Residues: Same as above.

SECTION 14: Transport Information

Road: DOT Proper Shipping Name: **(49CFR172.101-102): Compound, cleaning liquid**
DOT Packing Group: II
DOT Hazard Class: **3**
DOT Label: **(49CFR172.101-102): Flammable liquid**
UN Number: 1993
D.O.T. PLACARDS REQUIRED **(49CFR172.504): Flammable Liquid**
Bill of lading Description: **UN 1993, Compound Cleaning Liquid, CI 3, PG II PETROLEUM DISTILLATES (A.P.D, LACOLENE)**

Ocean: Proper Shipping Name: **Compound Cleaning Liquid**
Sea – IMO/IMDG Class: 3
UN Number: 1933
Packing Group: II

Air: Proper Shipping Name: **Compound Cleaning Liquid**
Air – ICAO/IATA Class: 3
UN Number: 1933
Packing Group: II

SECTION 15: Regulatory Information

Status on Substance Lists: The concentrations shown in this document are maximum levels (weight %) to be used for regulations.

TSCA: The components of this product are contained on the chemical substance inventory list

WHMIS 2015/OSHA: This product is a 'Hazardous Chemical' as defined by WHMIS2015 and the OSHA Hazard Communication Standard, 29 CFR 1910.1200

IARC: Not carcinogenic

OSHA PEL's Toluene/108-88-3

Federal EPA: Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA): Requires notification of the national response center of release of quantities of hazardous substances equal to or greater than the reportable quantities (RQ's) in 40 CFR 302.4. Components present in this product at level which could require reporting under the statute are:

Chemical Name	CAS Number	% by Weight	RQ
Toluene	108-88-3	20	1,000 lbs
Methyl ethyl ketone	78-93-3	21	5,000 lbs

Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III: Sections 301-304 require emergency planning based on Threshold Planning Quantities (TPQs) and release reporting based on Reportable Quantities (RQ) in 40 CFR 355. Components present in this product at level which could require reporting under this statute are:

Chemical Name	CAS Number	% by Weight	RQ
None	None	None	None

Section 311-312 require products be reviewed and applicable EPA Hazard Definitions be identified and made known- **None**

NJ RTK

108-88-3 TOLUENE
78-93-3 Methyl ethyl ketone

Pennsylvania RTK

108-88-3 TOLUENE
78-93-3 Methyl ethyl ketone

SARA 302 Extremely Hazardous Substances - None

Massachusetts RTK

108-88-3 TOLUENE
78-93-3 Methyl ethyl ketone

EPA Hazard Classifications:

Acute Hazard	Chronic Hazard	Fire Hazard	Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	No	No

Section 313 requires submission of annual reports of release of toxic chemicals that appear in 40 CFR 372 (for SARA 313). This information must be included in all SDSs that are distributed for this material. Components present in this product at level which could require reporting under the statute are:

TOLUENE/108-88-3

Canada DSL: All ingredients are listed or exempted.

California Proposition 65: Warning: This product can expose you to chemicals including Toluene (108-88-3), which is known to the State of California to cause birth defects or other reproductive harm.

SECTION 16: Other Information

This Safety Data Sheet is prepared to comply with WHMIS 2015 and the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200).

HMIS RATING: HEALTH-2, FLAMMABILITY-3, REACTIVITY-0, PERSONAL PROTECTION- B.

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The information herein is given in good faith, but no warranty expressed or implied is made. Roberts urges users of this product to evaluate its suitability and compliance with local regulations as Roberts cannot foresee the final use of the product, nor the final location of usage.

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