

Material Safety Data Sheet

Material Name: Fragrance Kit: Violet, Gardenia, Pine, Apple, Lemon, Orange

MSDSID: REX-001

*** Section 1 - Chemical Product and Company Identification ***

Manufacturer Information

REXAIR LLC
50 W. Big Beaver Rd., Suite 350
Troy, MI 48084

Phone: (248) 643-7222

Emergency # 1 (800) 255 3924 CHEM-TEL, INC.

General Comments

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

*** Section 2 - Composition / Information on Ingredients ***

CAS #	Substance	Percent
64742-48-9	Naphtha (petroleum), hydrotreated heavy	89-93
34590-94-8	Dipropylene glycol monomethyl ether	2-3

Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication). Exact composition of this product will vary with availability of materials. All ingredients listed above may not always be included in final product.

*** Section 3 - Hazards Identification ***

Emergency Overview

Products are combustible liquids with various colors along with strong characteristic odors listed in Section 9. These products are irritating to the eyes and skin. High vapor/aerosol concentrations may be irritating. This product is harmful by inhalation and if it is swallowed. Irritating and toxic fumes and gases may be released upon thermal processing or during combustion. Firefighters should wear full protective clothing and self contained breathing apparatus.

Potential Health Effects: Eyes

This product may cause irritation to the eyes. Vapors may also produce eye irritation.

Potential Health Effects: Skin

This product may cause irritation to the skin. Prolonged and/or repeated skin contact with this product may cause irritation/dermatitis.

Potential Health Effects: Ingestion

This product may be harmful if it is swallowed. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

Potential Health Effects: Inhalation

This product may cause irritation to the respiratory system. This product may be harmful by inhalation. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination. Heating this product may release harmful vapors.

HMIS Ratings: Health: 1 Fire: 2 Reactivity: 0 Pers. Prot.: X (Should be determined by your supervisor.)

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard

*** Section 4 - First Aid Measures ***

First Aid: Eyes

Immediately flush eyes with plenty of water for at least 15 minutes. If irritation persists get medical attention.

First Aid: Skin

For skin contact flush with large amounts of water while removing contaminated clothing. Wash affected area with mild soap and water. If irritation persists, get medical attention.

First Aid: Ingestion

If the material is swallowed, get immediate medical attention or advice. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to a victim who is unconscious or is having convulsions.

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First Aid: Inhalation

Move person to non-contaminated air. If the affected person is not breathing, apply artificial respiration. Seek medical attention.

First Aid: Notes to Physician

This material, if aspirated into the lungs, may cause lipoid pneumonitis. Treat affected person appropriately. If breathing is difficult, give oxygen.

* * * Section 5 - Fire Fighting Measures * * *

Flash Point: 150°F (65.5°C)

Upper Flammable Limit (UFL): 4.5 @ 77°F (25°C)

Auto Ignition: 640°F (337.7°C)

Method Used: Pensky-Martens Closed Cup

Lower Flammable Limit (LFL): 0.6 @ 77°F (25°C)

Flammability Classification: OSHA Flammability Classification: Combustible liquid based on component-Naptha (petroleum), hydrotreated heavy (CAS# 64742-48-9)

Rate of Burning: Not available

General Fire Hazards

This product is combustible at high temperatures. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. The liquid is volatile and gives off invisible vapors. Either the liquid or vapor may be heavier than air and settle in low areas or travel along the ground to an ignition source where they may ignite or explode.

Hazardous Combustion Products

Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons. Irritating and toxic gases or fumes may be released during a fire.

Extinguishing Media

Dry chemical, foam, water fog. Use water to cool fire-exposed containers and to protect personnel. Avoid using a direct stream of water.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus.

NFPA Ratings: Health: 1 Fire: 2 Reactivity: 0 Other: 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

* * * Section 6 - Accidental Release Measures * * *

Containment Procedures

Contain the discharged material. Stop source of leak if possible. Eliminate all sources of ignition or flammables that may come into contact with a spill of this material. Block any potential routes to water systems.

Clean-Up Procedures

Wear appropriate protective equipment and clothing during clean-up. Absorb spill with inert material. Shovel material into appropriate container for disposal. Use sand or perlite or vermiculite as an absorbent for large spills of this material. Eliminate ignition sources including sources of electrical, static or frictional sparks. Ventilate the contaminated area. Put material in suitable, covered, labeled containers.

Evacuation Procedures

Isolate area. Keep unnecessary personnel away.

* * * Section 7 - Handling and Storage * * *

Handling Procedures

Do not inhale vapors or mists of this product. Avoid getting this material into contact with your skin and eyes. Use this product with adequate ventilation. Keep this product from heat, sparks, or open flame. Do not use pressure to empty container. Use non-sparking tools when opening or closing containers.

Storage Procedures

Keep the container tightly closed and in a cool, well-ventilated place. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue. Do not reuse empty containers. All Rexair liquids are valid 6 years after the date of manufacturing.

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*** Section 8 - Exposure Controls / Personal Protection ***

Exposure Guidelines

A: General Product Information

Follow all applicable exposure limits.

B: Component Exposure Limits

Dipropylene glycol monomethyl ether (34590-94-8)

ACGIH: 100 ppm TWA
150 ppm STEL
Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 100 ppm TWA; 600 mg/m³ TWA
150 ppm STEL; 900 mg/m³ STEL
Prevent or reduce skin absorption

NIOSH: 100 ppm TWA; 600 mg/m³ TWA
150 ppm STEL; 900 mg/m³ STEL
Potential for dermal absorption

Engineering Controls

Provide local and general exhaust ventilation to effectively remove and prevent buildup of any vapors or mists generated from the handling of this product.

PERSONAL PROTECTIVE EQUIPMENT

Personal Protective Equipment: Eyes/Face

Wear chemical goggles; face shield (if splashing is possible).

Personal Protective Equipment: Skin

Use impervious gloves. Work clothing sufficient to prevent all skin contact should be worn, such as coveralls and long sleeves.

Personal Protective Equipment: Respiratory

If ventilation is not sufficient to effectively prevent buildup of vapors, appropriate NIOSH/MSHA respiratory protection must be provided

Personal Protective Equipment: General

Eye wash fountain and emergency showers are recommended.

*** Section 9 - Physical & Chemical Properties ***

Appearance: Colors of Fragrances: Violet -purple color, Gardenia -amber color, Pine -green color, Apple -red color, Lemon -yellow color, Orange -orange color.	Odor: Strong characteristic violet, floral, pine, apple blossom, lemon peel, and orange
Physical State: Liquid	pH: Not applicable
Vapor Pressure: Estimated 0.9 mm Hg @ 68°F (20°C)	Vapor Density: >1, estimated 5.4 to 5.6 (air = 1)
Boiling Point: 140°F to 276.8°F (60°C to 136°C) (barometric pressure = 29.97 mmHg)	Melting Point: Not available
Solubility (H₂O): Estimated <0.03% by weight	Specific Gravity: 0.765 to 0.771
Freezing Point: <-13°F (<-25°C) (barometric pressure = 29.97 mmHg)	Evaporation Rate: Estimated <0.1 (n-butyl acetate = 1)
Viscosity: 1.67 cSt to 2.00 cSt @ 71.6°F (22°C)	Bulk Density: 0.762 g/mL to 0.768 g/mL @ 68°F (20°C)
Percent Volatile: Not determined	Molecular Weight: Not determined

*** Section 10 - Chemical Stability & Reactivity Information ***

Chemical Stability

Stable under normal conditions.

Chemical Stability: Conditions to Avoid

Keep away from heat, ignition sources and incompatible materials.

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Incompatibility

This product may react with strong oxidizing agents.

Hazardous Decomposition

Irritating and/or toxic fumes and gases may be emitted upon the product's decomposition. Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

Hazardous Polymerization

Will not occur.

* * * Section 11 - Toxicological Information * * *

Acute and Chronic Toxicity

A: General Product Information

No information available for the product. Excessive inhalation of this material may cause central nervous system depression. Symptoms include headache, dizziness, nausea and incoordination. Based on similar materials, this product is expected to have a low order of acute oral and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

B: Component Analysis - LD50/LC50

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Oral LD50 Rat: >5000 mg/kg; Dermal LD50 Rabbit: >3160 mg/kg

Dipropylene glycol monomethyl ether (34590-94-8)

Oral LD50 Rat: 5230 mg/kg; Dermal LD50 Rabbit: 9500 mg/kg

Carcinogenicity

A: General Product Information

No carcinogenicity data available for this product. No studies on the possible carcinogenic activity of heavy naphtha in humans or experimental animals. Some naphthas with high aromatic compound content have caused cancer in mice.

B: Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP.

Epidemiology

No information available for the product.

Neurotoxicity

No information available for the product. Excessive exposure can cause dizziness and central nervous system depression.

Mutagenicity

No data available for this product.

Teratogenicity

No information available for the product. Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals.

Other Toxicological Information

No additional information available.

* * * Section 12 - Ecological Information * * *

Ecotoxicity

A: General Product Information

No data available for this product.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Naphtha (petroleum), hydrotreated heavy (64742-48-9)

Test & Species	Data	Conditions
96 Hr LC50 Pimephales promelas	2200 mg/L	
96 Hr LC50 Chaetogammarus marinus	2.6 mg/L	

Dipropylene glycol monomethyl ether (34590-94-8)

Test & Species	Data	Conditions
96 Hr LC50 Pimephales promelas	>10000 mg/L	static

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48 Hr LC50 Daphnia magna 1919 mg/L

Environmental Fate

No information available for the product.

*** Section 13 - Disposal Considerations ***

US EPA Waste Number & Descriptions

A: General Product Information

Wastes must be tested using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

B: Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

Disposal Instructions

Dispose of waste material according to Local, State, Federal, and Provincial Environmental Regulations.

*** Section 14 - Transportation Information ***

US DOT Information

Shipping Name: Not regulated for transportation

UN/NA #: None **Hazard Class:** None **Packing Group:** None

Required Label(s): None

Additional Info.: Note: For non-bulk shipments containing less than 119 gallons (450 liters) and transported by motor vehicle or rail within the United States, this product has been reclassified as non-regulated. However, for bulk shipments greater than 119 gallons (450 liters), those shipments will be reclassified as: Combustible liquid, n.o.s. UN# 1993, Packing group: III. (See 49CFR part 173.150(f))

TDG Information

Shipping Name: Not Regulated for transportation

UN/NA #: None **Hazard Class:** None **Packing Group:** None

Required Label(s): None

Additional Info.: None.

International Transportation Regulations

No additional information available.

*** Section 15 - Regulatory Information ***

US Federal Regulations

A: General Product Information

Components of this product have been checked against the non-confidential TSCA inventory by CAS Registry Number. Components not identified on this non-confidential inventory are either exempt from listing (i.e. polymers, hydrates) or are listed on the confidential inventory as declared by the supplier. All components listed in this product appear on the Canadian DSL/NDL.

B: Component Analysis

None of this products components are listed under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), or CERCLA (40 CFR 302.4).

SARA 311/312 Acute Health: Yes **Chronic Health:** No **Fire:** Yes **Pressure:** No **Reactive:** No

State Regulations

A: General Product Information

Other state regulations may apply. Check individual state requirements.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Dipropylene glycol monomethyl ether	34590-94-8	Yes	Yes	Yes	Yes	Yes	Yes

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Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Substance	CAS #	Minimum Concentration
Dipropylene glycol monomethyl ether	34590-94-8	1 %

WHMIS Classification: B3, D2B

Additional Regulatory Information

A: General Product Information

No information available for the product.

B: Component Analysis - Inventory

Substance	CAS #	TSCA	CAN	EEC	ELINCS
Naphtha (petroleum), hydrotreated heavy	64742-48-9	Yes	DSL	EINECS	No
Dipropylene glycol monomethyl ether	34590-94-8	Yes	DSL	EINECS	No

* * * Section 16 - Other Information * * *

MSDS History

04/12/2001 - Revision 1

09/30/2005 - Revision 2

11/22/2006 - Revision 3

Key/Legend

EPA = Environmental Protection Agency; TSCA = Toxic Substance Control Act; ACGIH = American Conference of Governmental Industrial Hygienists; IARC = International Agency for Research on Cancer; NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration., NJTSR = New Jersey Trade Secret Registry. TLV = Threshold Limit Value. HEPA = High Efficiency Particulate Air CFR = Code of Federal Regulations. HMIS = Hazardous Material Information System. NFPA = National Fire Protection Association.

Contact: Bruce Schafer, V.P. of Manufacturing

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This is the end of MSDS # REX-001