

SAFETY DATA SHEET

1. Identification

Material name: ECOLASTIC 53 GL LINED
Material: 370110 853

Recommended use and restriction on use

Recommended use: Coatings
Restrictions on use: Not known.

Manufacturer/Importer/Supplier/Distributor Information

Tremco Incorporated
3735 Green Road
BEACHWOOD OH 44122
US

Contact person: EH&S Department
Telephone: 216-292-5000
Emergency telephone number: 1-800-424-9300 (US); 1-613-996-6666 (Canada)

2. Hazard(s) identification

Hazard Classification

Health Hazards

| | |
|---|-------------|
| Acute toxicity (Inhalation - dust and mist) | Category 4 |
| Carcinogenicity | Category 1A |

Unknown toxicity - Health

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|--|---------|
| Acute toxicity, oral | 49.58 % |
| Acute toxicity, dermal | 49.57 % |
| Acute toxicity, inhalation, vapor | 100 % |
| Acute toxicity, inhalation, dust or mist | 95.17 % |

Label Elements

Hazard Symbol:



Signal Word: Danger

| | |
|---|---|
| Hazard Statement: | Harmful if inhaled. May cause cancer. |
| Precautionary Statements | |
| Prevention: | Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. |
| Response: | IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell. |
| Storage: | Store locked up. |
| Disposal: | Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal. |
| Hazard(s) not otherwise classified (HNOC): | None. |

3. Composition/information on ingredients

Mixtures

| Chemical Identity | CAS number | Content in percent (%)* |
|-----------------------------|------------|-------------------------|
| Asphalt | 8052-42-4 | 40 - 70% |
| Petroleum distillates | 64741-81-7 | 3 - 7% |
| Propylene glycol | 57-55-6 | 1 - 5% |
| Heavy paraffinic distillate | 64741-88-4 | 0.1 - 1% |
| Ethanedial | 107-22-2 | 0.1 - 1% |

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

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| Ingestion: | Call a POISON CENTER/doctor if you feel unwell. Rinse mouth. |
| Inhalation: | Move to fresh air. |
| Skin Contact: | Wash skin thoroughly with soap and water. Get medical attention if symptoms occur. |
| Eye contact: | Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention. |

Most important symptoms/effects, acute and delayed

Symptoms: May cause skin and eye irritation.

Indication of immediate medical attention and special treatment needed

Treatment: Symptoms may be delayed.

5. Fire-fighting measures

General Fire Hazards: No unusual fire or explosion hazards noted.

Suitable (and unsuitable) extinguishing media

Suitable extinguishing media: Use fire-extinguishing media appropriate for surrounding materials.

Unsuitable extinguishing media: Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical: During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters

Special fire fighting procedures: No data available.

Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: No data available.

Methods and material for containment and cleaning up: Dam and absorb spillages with sand, earth or other non-combustible material. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

Notification Procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations.

Environmental Precautions: Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so.

7. Handling and storage

Precautions for safe handling: Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities: Store locked up.

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

| Chemical Identity | Type | Exposure Limit Values | Source |
|---|------|---------------------------------|---|
| Asphalt - Inhalable fraction. - as benzene solubles | TWA | 0.5 mg/m ³ | US. ACGIH Threshold Limit Values (2011) |
| Heavy paraffinic distillate - Inhalable fraction. | TWA | 5 mg/m ³ | US. ACGIH Threshold Limit Values (2011) |
| Heavy paraffinic distillate | PEL | 500 ppm 2,000 mg/m ³ | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| Heavy paraffinic distillate - Mist. | PEL | 5 mg/m ³ | US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006) |
| Ethanedial - Inhalable fraction and vapor. | TWA | 0.1 mg/m ³ | US. ACGIH Threshold Limit Values (2011) |

| Chemical name | Type | Exposure Limit Values | Source |
|---|------|------------------------------|---|
| Asphalt - Aerosol, inhalable. - as benzene solubles | TWA | 0.5 mg/m ³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Asphalt - Inhalable fraction. - as benzene solubles | TWA | 0.5 mg/m ³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010) |
| Asphalt - Fume. | TWA | 5 mg/m ³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017) |
| Propylene glycol - Aerosol. | TWA | 10 mg/m ³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (11 2010) |
| Propylene glycol - Vapor and aerosol. | TWA | 50 ppm 155 mg/m ³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015) |
| Heavy paraffinic distillate - Mist. | TWA | 0.2 mg/m ³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| | TWA | 1 mg/m ³ | Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended) (07 2007) |
| Heavy paraffinic distillate - Inhalable fraction. | TWA | 5 mg/m ³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015) |
| | TWA | 5 mg/m ³ | Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents) (06 2015) |
| Heavy paraffinic distillate - Mist. | TWA | 5 mg/m ³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017) |
| | STEL | 10 mg/m ³ | Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment) (09 2017) |

Appropriate Engineering Controls

Observe good industrial hygiene practices. Observe occupational exposure limits and minimize the risk of inhalation of vapors and mist. Mechanical ventilation or local exhaust ventilation may be required.

Individual protection measures, such as personal protective equipment

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|--------------------------------|---|
| General information: | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. Supplementary local exhaust ventilation, closed systems, or respiratory and eye protection may be needed in special circumstances, such as poorly ventilated spaces, heating, evaporation of liquids from large surfaces, spraying of mists, mechanical generation of dusts, drying of solids, etc. |
| Eye/face protection: | Wear safety glasses with side shields (or goggles). |
| Skin Protection | |
| Hand Protection: | Use suitable protective gloves if risk of skin contact. |
| Other: | Wear suitable protective clothing. |
| Respiratory Protection: | In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor. |
| Hygiene measures: | Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product. |

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| <h2>9. Physical and chemical properties</h2> |
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Appearance

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| Physical state: | liquid |
| Form: | liquid |
| Color: | Black |
| Odor: | Slight odor |
| Odor threshold: | No data available. |
| pH: | No data available. |
| Melting point/freezing point: | No data available. |
| Initial boiling point and boiling range: | No data available. |
| Flash Point: | > 93 °C > 200 °F (Setaflash Closed Cup) |
| Evaporation rate: | Slower than Ether |
| Flammability (solid, gas): | No |
| Upper/lower limit on flammability or explosive limits | |
| Flammability limit - upper (%): | No data available. |
| Flammability limit - lower (%): | No data available. |
| Explosive limit - upper (%): | No data available. |
| Explosive limit - lower (%): | No data available. |
| Vapor pressure: | No data available. |
| Vapor density: | Vapors are heavier than air and may travel along the floor and in the bottom of containers. |
| Relative density: | 1.005 |
| Solubility(ies) | |
| Solubility in water: | Dispersible |
| Solubility (other): | No data available. |
| Partition coefficient (n-octanol/water): | No data available. |

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|-----------------------------------|--------------------|
| Auto-ignition temperature: | No data available. |
| Decomposition temperature: | No data available. |
| Viscosity: | No data available. |

10. Stability and reactivity

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|--|---|
| Reactivity: | No data available. |
| Chemical Stability: | Material is stable under normal conditions. |
| Possibility of hazardous reactions: | No data available. |
| Conditions to avoid: | Avoid heat or contamination. |
| Incompatible Materials: | Avoid contact with oxidizing agents (e.g. nitric acid, peroxides and chromates). |
| Hazardous Decomposition Products: | Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors. |

11. Toxicological information**Information on likely routes of exposure**

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|----------------------|---|
| Inhalation: | In high concentrations, vapors, fumes or mists may irritate nose, throat and mucus membranes. |
| Skin Contact: | May be harmful in contact with skin. |
| Eye contact: | Eye contact is possible and should be avoided. |
| Ingestion: | May be ingested by accident. Ingestion may cause irritation and malaise. |

Symptoms related to the physical, chemical and toxicological characteristics

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|----------------------|--------------------|
| Inhalation: | No data available. |
| Skin Contact: | No data available. |
| Eye contact: | No data available. |
| Ingestion: | No data available. |

Information on toxicological effects**Acute toxicity (list all possible routes of exposure)**

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|----------------------|--|
| Oral Product: | Not classified for acute toxicity based on available data. |
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|---|----------------------------|
| Specified substance(s): Asphalt | LD 50 (Rat): > 5,000 mg/kg |
| Petroleum distillates | LD 50 (Rat): 4,320 mg/kg |
| Propylene glycol | LD 50 (Rat): 22,000 mg/kg |
| Heavy paraffinic distillate | LD 50 (Rat): > 5,000 mg/kg |
| Ethanedial | LD 50 (Rat): 2,960 mg/kg |

Dermal Product: ATEmix: 2,238.35 mg/kg

Inhalation Product: ATEmix: 4.75 mg/l

Repeated dose toxicity Product: No data available.

Skin Corrosion/Irritation Product: No data available.

| | | |
|---|--------------------------------|--------------------------------|
| Specified substance(s): Asphalt | in vivo (Rabbit): Not irritant | Experimental result, Key study |
| Propylene glycol | in vivo (Rabbit): Not irritant | Experimental result, Key study |
| Heavy paraffinic distillate | in vivo (Rabbit): Not irritant | Experimental result, Key study |

Serious Eye Damage/Eye Irritation Product: No data available.

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|---|--------------------------------|
| Specified substance(s): Asphalt | Rabbit, 24 hrs: Not irritating |
| Heavy paraffinic distillate | Rabbit, 24 hrs: Not irritating |

Respiratory or Skin Sensitization Product: No data available.

Carcinogenicity

Product: No data available.

IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

| | |
|-----------------------------|---|
| Asphalt | Overall evaluation: Possibly carcinogenic to humans. |
| Petroleum distillates | Overall evaluation: Possibly carcinogenic to humans. |
| Heavy paraffinic distillate | Overall evaluation: Not classifiable as to carcinogenicity to humans. Overall evaluation: Carcinogenic to humans. |

US. National Toxicology Program (NTP) Report on Carcinogens:

Heavy paraffinic distillate Known To Be Human Carcinogen.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Germ Cell Mutagenicity

In vitro
Product: No data available.

In vivo
Product: No data available.

Reproductive toxicity
Product: No data available.

Specific Target Organ Toxicity - Single Exposure
Product: No data available.

Specific Target Organ Toxicity - Repeated Exposure
Product: No data available.

Aspiration Hazard
Product: No data available.

Other effects: No data available.

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| 12. Ecological information |
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Ecotoxicity:

Acute hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Propylene glycol LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): 29,485 - 39,339 mg/l Mortality

Ethanedial LC 50 (Fathead minnow (*Pimephales promelas*), 96 h): 215 mg/l Mortality

Aquatic Invertebrates

Product: No data available.

Specified substance(s):

Propylene glycol EC 50 (Water flea (*Daphnia magna*), 48 h): > 10,000 mg/l Intoxication

Chronic hazards to the aquatic environment:

Fish

Product: No data available.

Specified substance(s):

Asphalt NOAEL (*Oncorhynchus mykiss*, 28 d): $\geq 1,000$ mg/l Read-across from supporting substance (structural analogue or surrogate), Key study
LL 50 (*Oncorhynchus mykiss*, 28 d): > 1,000 mg/l Read-across from supporting substance (structural analogue or surrogate), Key study

Petroleum distillates NOAEL (*Oncorhynchus mykiss*, 28 d): 0.1 mg/l QSAR QSAR, Key study

Propylene glycol NOAEL (*Pimephales promelas*, 7 d): 11,530 mg/l Experimental result, Not specified

Ethanedial NOAEL (*Pimephales promelas*, 34 d): 300 mg/l Experimental result, Key study
LOAEL (*Pimephales promelas*, 34 d): > 283 mg/l Experimental result, Key study
LOAEL (*Pimephales promelas*, 34 d): > 112 mg/l Experimental result, Key study
NOAEL (*Pimephales promelas*, 34 d): 283 mg/l Experimental result, Key study
NOAEL (*Pimephales promelas*, 34 d): 112 mg/l Experimental result, Key study

Aquatic Invertebrates

Product: No data available.

Toxicity to Aquatic Plants

Product: No data available.

Persistence and Degradability

Biodegradation

Product: No data available.

BOD/COD Ratio

Product: No data available.

Bioaccumulative potential

Bioconcentration Factor (BCF)

Product: No data available.

Partition Coefficient n-octanol / water (log Kow)

Product: No data available.

Specified substance(s):

Propylene glycol Log Kow: -0.92

Mobility in soil: No data available.

Other adverse effects: No data available.

13. Disposal considerations

Disposal instructions: Dispose of waste at an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

Contaminated Packaging: No data available.

14. Transport information

TDG:

Not Regulated

CFR / DOT:

Not Regulated

IMDG:

Not Regulated

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|-----------------------------------|
| 15. Regulatory information |
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US Federal Regulations

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

None present or none present in regulated quantities.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Asphalt | 100 lbs. |
| Chrysene | 100 lbs. |
| Fluorathene | 100 lbs. |
| Benzo(a)anthracene | 10 lbs. |
| Ethylene glycol | 5000 lbs. |

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

- Immediate (Acute) Health Hazards
- Delayed (Chronic) Health Hazard

SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

SARA 304 Emergency Release Notification

| <u>Chemical Identity</u> | <u>Reportable quantity</u> |
|--------------------------|----------------------------|
| Asphalt | 100 lbs. |
| Chrysene | 100 lbs. |
| Fluorathene | 100 lbs. |
| Benzo(a)anthracene | 10 lbs. |
| Ethylene glycol | 5000 lbs. |

SARA 311/312 Hazardous Chemical

| <u>Chemical Identity</u> | <u>Threshold Planning Quantity</u> |
|-----------------------------|------------------------------------|
| Asphalt | 10000 lbs |
| Petroleum distillates | 10000 lbs |
| Propylene glycol | 10000 lbs |
| Heavy paraffinic distillate | 10000 lbs |
| Ethanedial | 10000 lbs |

SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

None present or none present in regulated quantities.

Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3)

None present or none present in regulated quantities.

US State Regulations

US. California Proposition 65



WARNING
Cancer and Reproductive Harm - www.P65Warnings.ca.gov

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Asphalt
Propylene glycol
Heavy paraffinic distillate

US. Massachusetts RTK - Substance List

Chemical Identity

Asphalt
Crystalline Silica (Quartz)/ Silica Sand
Silica (crystalline-cristobalite)
Silica (crystalline-tridymite)
Chrysene
Benzo(a)anthracene

US. Pennsylvania RTK - Hazardous Substances

Chemical Identity

Asphalt
Propylene glycol

US. Rhode Island RTK

Chemical Identity

Asphalt
Propylene glycol

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol

Not applicable

VOC:

Regulatory VOC (less water and
exempt solvent) : 20 g/l

VOC Method 310 : 1.04 %

Inventory Status:

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|--|--|
| Australia AICS: | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada DSL Inventory List: | One or more components in this product are not listed on or exempt from the Inventory. |
| EINECS, ELINCS or NLP: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan (ENCS) List: | One or more components in this product are not listed on or exempt from the Inventory. |
| China Inv. Existing Chemical Substances: | One or more components in this product are not listed on or exempt from the Inventory. |
| Korea Existing Chemicals Inv. (KECI): | One or more components in this product are not listed on or exempt from the Inventory. |
| Canada NDSL Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| Philippines PICCS: | One or more components in this product are not listed on or exempt from the Inventory. |
| US TSCA Inventory: | One or more components in this product are not listed on or exempt from the Inventory. |
| New Zealand Inventory of Chemicals: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan ISHL Listing: | One or more components in this product are not listed on or exempt from the Inventory. |
| Japan Pharmacopoeia Listing: | One or more components in this product are not listed on or exempt from the Inventory. |

16. Other information, including date of preparation or last revision

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|-----------------------------|--------------------|
| Revision Date: | 07/21/2018 |
| Version #: | 1.1 |
| Further Information: | No data available. |

Disclaimer:

For Industrial Use Only. Keep out of Reach of Children. The hazard information herein is offered solely for the consideration of the user, subject to their own investigation of compliance with applicable regulations, including the safe use of the product under every foreseeable condition.