

Carlisle TyrFil Safety Data Sheet

1. Identification of Substance:

Product Name: TyrFil Flex, Hevi-Duty, Premium, Pro, RePneu TV Ultra, Utility CAT Component

Supplier Identification:
Carlisle TyrFil

Telephone:
(440) 260-9830

Address:
140 Sheldon Road
Berea, OH 44017

24-Hr. Emergency Phone Number:
CHEMTREC (800) 424-9300
INTERNATIONAL: +1-(703) 527-3887

Product Use: Polyurethane polyol component

2. Hazards Identification:

GHS Ratings:

Skin sensitizer	1	Skin sensitizer
Mutagen	1B	Known to produce heritable mutations in human germ cellsSubcategory 1B, Positive results: In vivo heritable germ cell tests in mammals, Human germ cell tests, In vivo somatic mutagenicity tests, combined with some evidence of germ cell mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	1B	Presumed, Based on experimental animals
Organ toxin repeated exposure	2	Presumed to be harmful to human health- Animal studies with significant toxic effects relevant to humans at generally moderate exposure (guidance)- Human evidence in exceptional cases
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ? 20.5 mm2/s at 40° C.

GHS Hazards

H304	May be fatal if swallowed and enters airways
H317	May cause an allergic skin reaction
H340	May cause genetic defects
H350	May cause cancer
H360	May damage fertility or the unborn child
H373	May cause damage to organs through prolonged or repeated exposure

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P260	Do not breathe dust/fume/gas/mist/vapors/spray
P261	Avoid breathing dust/fume/gas/mist/vapors/spray
P272	Contaminated work clothing should not be allowed out of the workplace
P280	Wear protective gloves/protective clothing/eye protection/face protection

P281	Use personal protective equipment as required
P314	Get Medical advice/attention if you feel unwell
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P331	Do NOT induce vomiting
P363	Wash contaminated clothing before reuse
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
P302+P352	IF ON SKIN: Wash with soap and water
P308+P313	IF exposed or concerned: Get medical advice/attention
P333+P313	If skin irritation or a rash occurs: Get medical advice/attention
P405	Store locked up
P501	Dispose of contents/container in accordance with existing federal, state, and local environmental control laws.

Signal Word: Danger



Acute Toxicity:

Eyes: Irritating to eyes.

Skin: Harmful in contact with skin.

Inhalation: Not expected to be a route of exposure.

Ingestion: Harmful if swallowed. Consult physician.

Chronic Effects: Possible harmful target organ effects.

3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Distillates, petroleum, heavy thermal cracked	64741-81-7	30.00% - 40.00%
Distillates, petroleum, catalytic reformer fractionator residue, intermediate-boiling	68477-30-5	10.00% - 20.00%
Distillates, petroleum, light catalytic cracked	64741-59-9	1.00% - 5.00%
Polycyclic aromatic hydrocarbons	130498-29-2	0.10% - 1.00%
1,4-Diazabicyclo[2.2.2]octane	280-57-9	0.00% - 0.10%

4. First Aid Measures:

Inhalation: If inhaled and symptoms ensue, move to fresh air. If breathing is difficult, give oxygen.

After Eye Contact: Rinse opened eye for at least 15 minutes under running water. Remove contact lenses if present and easy to do so, and continue rinsing. If irritation persists contact physician

After Skin Contact: Clean affected area with soap and plenty of water.

After Swallowing: Consult physician.

Notes to Physician: Treat symptomatically.

5. Fire Fighting Measures:

Flash Point: 152 C (306 F)

LEL: N/A

UEL: N/A

Upper and Lower Explosive Limits listed if known.

Suitable Extinguishing Agents: Water spray, CO2, Foam, Dry chemical.

Information about Protection against Explosions and Fires: Keep away from flames and sources of heat. Closed containers may rupture when exposed to extreme heat.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, hydrocarbons.

Protective Equipment: Firefighters should wear a pressure demand self-contained breathing apparatus and protective clothing.

6. Accidental Release Measures:

Person-Related Safety Precautions: Use appropriate personal protective equipment during clean up. Evacuate and keep unnecessary people out of spill area. Avoid contact with skin and eyes.

Measures for Environmental Protection: Cover and contain spill with absorbent material. Collect for proper disposal according to local, state, and federal regulations.

Small Spills: Absorb with earth, sand or other absorbent material and transfer to containers for later disposal. Wipe up with absorbent material (e.g. cloth, fleece) clean surface thoroughly to remove residual contamination.

Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Use an absorbent material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Following product recovery, flush area with water.

7. Handling and Storage:

Information for Safe Handling: Avoid contact with eyes, skin, or inhalation.

Storage Requirements: Store in dry, well ventilated area. Keep containers tightly closed. Store between 60°F-100°F. Material may settle.

Regulatory Requirements: Obey all local, state, and federal requirements.

8. Exposure Controls and Personal Protection:

Chemical Name / CAS No.	OSHA Exposure Limits	ACGIH Exposure Limits	Other Exposure Limits
Distillates, petroleum, heavy thermal cracked 64741-81-7	Not Established	Not Established	Not Established
Distillates, petroleum, catalytic reformer fractionator residue, intermediate-boiling 68477-30-5	Not Established	Not Established	Not Established

Distillates, petroleum, light catalytic cracked 64741-59-9	Not Established	Not Established	Not Established
Polycyclic aromatic hydrocarbons 130498-29-2	Not Established	Not Established	Not Established
1,4-Diazabicyclo[2.2.2]octane 280-57-9	Not Established	Not Established	Not Established

Engineering Controls: Exhaust ventilation if exposure limits are exceeded.

General Protective and Hygienic Measures: Usual precautionary measures should be adhered to when handling chemicals.

Respiratory protection: None required if work area is properly ventilated.

Hand Protection: Protective chemical resistant gloves.

Eye Protection: Safety glasses.

Body Protection: Protective work clothing. Launder separately.

Contaminated Gear: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

9. Physical and Chemical Properties:

Physical properties listed where known.

<p>Appearance: Brown liquid</p> <p>Vapor Pressure: N/A</p> <p>Vapor Density: N/A</p> <p>Specific Gravity: 1.07</p> <p>Freezing point: N/A</p> <p>Boiling range: N/A</p> <p>Evaporation rate: N/A</p> <p>Explosive Limits: N/A</p> <p>Autoignition temperature: N/A</p>	<p>Odor: Pungent</p> <p>Odor threshold: N/A</p> <p>pH: N/A</p> <p>Melting point: N/A</p> <p>Solubility: N/A</p> <p>Flash point: 306°F, 152°C</p> <p>Flammability: N/A</p> <p>Partition coefficient (n-octanol/water): N/A</p> <p>Decomposition temperature: N/A</p>
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10. Stability and Reactivity:

Chemical Incompatible Materials: Avoid contact with isocyanates and strong oxidizing agents.

Hazardous Polymerization: Not expected to occur.

Dangerous Products of Decomposition: Oxides of carbon, oxides of nitrogen, hydrocarbons.

11. Toxicological Information:

Mixture Toxicity

Inhalation Toxicity LC50: 104mg/L

Component Toxicity

280-57-9 1,4-Diazabicyclo[2.2.2]octane

Oral LD50: 1,700 mg/kg (Rat) Dermal LD50: 3,200 mg/kg (Rabbit)

Individual Toxicity Values Listed if Known

Acute Toxicity:

Eyes: Irritating to eyes.

Skin: Harmful in contact with skin.

Inhalation: Not expected to be a route of exposure.

Ingestion: Harmful if swallowed. Consult physician.

Chronic Effects: Harmful target organ effects have been associated with exposure to aromatic oils.

Routes of Entry: Ingestion, skin contact, eye contact.

Target Organs: Skin, eyes, digestive tract, reproductive system, liver, blood, thymus.

Chemicals with Known or Possible Carcinogenic Effects:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
130498-29-2	Polycyclic aromatic hydrocarbons	0.1 to 1.0%	Polycyclic aromatic hydrocarbons: OSHA: listed
64741-59-9	Distillates, petroleum, light catalytic cracked	1 to 5%	Distillates, petroleum, light catalytic cracked: EU REACH: Present
64741-81-7	Distillates, petroleum, heavy thermal cracked	30 to 40%	Distillates, petroleum, heavy thermal cracked: EU REACH: Present
68477-30-5	Distillates, petroleum, catalytic reformer fractionator residue, intermediate-boiling	10 to 20%	Distillates, petroleum, catalytic reformer fractionator residue, intermediate-boiling: EU REACH: Present (N)

12. Ecological Information:

General Information: Based on experience, no adverse effects are to be expected if correct disposal procedures have been followed as indicated in section 13. Individual component ecotoxicity listed if known.

Component Ecotoxicity

Distillates, petroleum, heavy thermal cracked	96 Hr LC50 Brachydanio rerio: 48 mg/L [semi-static]
Distillates, petroleum, light catalytic cracked	96 Hr LC50 Brachydanio rerio: 7.3 mg/L [semi-static]
Polycyclic aromatic hydrocarbons	48 Hr LC50 Daphnia magna: 0.25 mg/L
1,4-Diazabicyclo[2.2.2]octane	96 Hr LC50 Pimephales promelas: 1510 - 1980 mg/L [flow-through]

13. Disposal Considerations:

Recommendation: Observe local requirements. Dispose of in accordance with local/state/federal regulations.

Empty Container Precautions: Recondition or dispose of empty container in accordance with governmental regulations. If container is to be disposed, ensure all product residues are removed and container is empty prior to disposal.

14. Transport Information:

DOT Regulated Components:

This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods unless specifically cited below:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ICAO/IATA	Environmentally Hazardous Substance, N.O.S. (Contains Aromatic Hydrocarbons)	3082	III	9
IMDG	Environmentally Hazardous Substance, N.O.S. (Contains Aromatic Hydrocarbons)	3082	III	9

15. Regulatory Information:

OSHA HAZARD COMMUNICATION STANDARD: This material is classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA 311/312 Hazard Categories: Acute health hazard, chronic health hazard

California Proposition 65 (Safe Drinking Water and Toxic Enforcement Act of 1986)

This product contains no substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute unless otherwise listed:

WARNING: This product can expose you to chemicals listed below, which are known to the State of California to cause cancer, birth defects, or reproductive harm. For more information, visit www.P65Warnings.ca.gov

Polycyclic aromatic hydrocarbons 130498-29-2 0.1 to 1.0 % CARC

Massachusetts Right To Know List:

Polycyclic aromatic hydrocarbons 130498-29-2 0.1 to 1.0 %

New Jersey Right To Know List:

Polycyclic aromatic hydrocarbons 130498-29-2 0.1 to 1.0 %

Pennsylvania Right To Know List:

Polycyclic aromatic hydrocarbons 130498-29-2 0.1 to 1.0 %

SARA 302 Extremely Hazardous Substances:

- None

Chemicals subject to SARA 313 Reporting:

Polycyclic aromatic hydrocarbons 130498-29-2 0.1 to 1.0 % Emissions, PBT

<u>Country</u>	<u>Regulation</u>	<u>All Components Listed</u>
Canada	Canada DSL	Yes
US	Toxic Substances Control Act	Yes

16. Other Information:

Safety Data Sheet issued by Product Safety Department

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Carlisle TyrFil. The data on these sheets relates only to the specific material designated herein. Carlisle TyrFil assumes no legal responsibility for use or reliance upon this data. It is the user's responsibility to ensure that their activities comply with federal, state, or local laws.

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