

Accella Tire Fill Systems

Safety Data Sheet

1. Identification of Substance:

Product Name: Tyrfil Flex, HeviDuty, Premium, Pro, RePneu TV, Ultra, Utility Catalyst Component.

Supplier Identification:

Accella Tire Fill Systems

Telephone:

(423) 697-0400

Address:

Address: 2003 Curtain Pole Rd
Chattanooga, TN 37406

Emergency phone number:

CHEMTREC (800) 424-9300

Product Use: Polyurethane polyol component

2. Hazards Identification:

GHS Ratings:

Skin corrosive	2	Reversible adverse effects in dermal tissue, Draize score: $\geq 2.3 < 4.0$ or persistent inflammation
Skin sensitizer	1	Skin sensitizer
Mutagen	2	Suspected/Possible: May include heritable mutations in human germ cells, Positive evidence from tests in mammals and somatic cell tests, In vivo somatic genotoxicity supported by in vitro mutagenicity
Carcinogen	1B	Presumed Human Carcinogen, Based on demonstrated animal carcinogenicity
Reproductive toxin	2	Human or animal evidence possibly with other information
Aspiration hazard	1	Aspiration Toxicity Category 1: Known (regarded)- human evidence - hydrocarbons with kinematic viscosity ≥ 20.5 mm ² /s at 40° C.

GHS Hazards

H304	May be fatal if swallowed and enters airways
H315	Causes skin irritation
H317	May cause an allergic skin reaction
H341	Suspected of causing genetic defects
H350	May cause cancer
H361	Suspected of damaging fertility or the unborn child

GHS Precautions

P201	Obtain special instructions before use
P202	Do not handle until all safety precautions have been read and understood
P261	Avoid breathing dust/fume/gas/mist/vapours/spray
P264	Wash hands thoroughly after handling
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
P321	Specific treatment is urgent (see Section 4 First Aid measures)
P331	Do NOT induce vomiting

P362 Take off contaminated clothing and wash before reuse
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
P332+P313 If skin irritation occurs: 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 Section 13

Signal Word: Danger



3. Composition/Data on Components:

Chemical Name	CAS number	Weight Concentration %
Distillates, petroleum, heavy thermal cracked	64741-81-7	40.00% - 50.00%
Glycerol poly(oxyethylene) poly(oxypropylene) ether	9082-00-2	30.00% - 40.00%
Solvent naphtha, petroleum, heavy aromatic	64742-94-5	10.00% - 20.00%
m-Phenylenediamine	108-45-2	1.00% - 5.00%
Naphthalene	91-20-3	0.10% - 1.00%
Polycyclic aromatic hydrocarbons	130498-29-2	0.00% - 0.10%

4. First Aid Measures:

Inhalation: 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.

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: 306°F, 152°C

LEL: N/A

UEL: N/A

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

Information about Protection against Explosions and Fires: Closed containers may rupture when exposed to extreme heat.

Dangerous Products of Decomposition: Oxides of carbon

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

6. Accidental Release Measures:

Person-Related Safety Precautions: 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.

7. Handling and Storage:

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

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

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
Glycerol poly(oxyethylene) poly(oxypropylene) ether 9082-00-2	Not Established	Not Established	Not Established
Solvent naphtha, petroleum, heavy aromatic 64742-94-5	Not Established	Not Established	Not Established
m-Phenylenediamine 108-45-2	Not Established	0.1 mg/m ³ TWA	Not Established
Naphthalene 91-20-3	10 ppm TWA; 50 mg/m ³ TWA	10 ppm TWA	NIOSH: 10 ppm TWA; 50 mg/m ³ TWA 15 ppm STEL; 75 mg/m ³ STEL
Polycyclic aromatic hydrocarbons 130498-29-2	Not Established	Not Established	Not Established

Engineering Controls: No specific measures expected.

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

Personal Protective Equipment:

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

Hand Protection: Protective gloves.

Eye Protection: Safety glasses.

Body Protection: Protective work clothing. Launder separately.

9. Physical and Chemical Properties:

Appearance: Brown liquid Vapor Pressure: N/A Vapor Density: N/A Specific Gravity: 1.01 Freezing point: N/A Boiling range: N/A Evaporation rate: N/A Explosive Limits: N/A Autoignition temperature: 550°C	Odor: Musty Odor threshold: N/A pH: N/A Melting point: N/A Solubility: N/A Flash point: 306°F, 152°C Flammability: N/A Partition coefficient (n-octanol/water): N/A Decomposition temperature: N/A
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10. Stability and Reactivity:

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, and traces of HCN.

11. Toxicological Information:

Mixture Toxicity

Component Toxicity

108-45-2	m-Phenylenediamine Oral LD50: 204 mg/kg (Rat) Dermal LD50: 1,100 mg/kg (Rat)
91-20-3	Naphthalene Oral LD50: 1,110 mg/kg (Rat) Dermal LD50: 1,120 mg/kg (Rabbit)

Toxicity Values Listed if Known

Eyes: Liquid may cause irritation.

Skin: Moderately irritating. May cause redness, itching, and cracking.

Inhalation: Liquid may cause irritation.

Ingestion: May be harmful or fatal if swallowed. Consult physician.

Chronic Effects: May produce toxic liver, thymus, bone marrow and blood effects

Conditions Aggravated by Exposure: Asthma, respiratory disorders, skin allergies, eczema

Routes of Entry : Inhalation, ingestion, skin contact, eye contact

Target Organs: Respiratory track, eyes, skin, liver

Chemicals with known or possible carcinogenic effects:

<u>CAS Number</u>	<u>Description</u>	<u>% Weight</u>	<u>Carcinogen Rating</u>
91-20-3	Naphthalene	0.1 to 1.0%	Naphthalene: IARC: Possible human carcinogen OSHA: listed
64741-81-7	Distillates, petroleum, heavy thermal cracked	40 to 50%	Distillates, petroleum, heavy thermal cracked: EU REACH: Present
130498-29-2	Polycyclic aromatic hydrocarbons	0.0 to 0.1%	Polycyclic aromatic hydrocarbons: OSHA: listed

12. Ecological Information:

General Information: Based on experience, no adverse effects are expected if correct disposal procedures have been followed as indicated in section 13.

If released to waterways, material can foul shoreline and may be harmful to aquatic life.

Individual component ecotoxicity listed if known.

Component Ecotoxicity

Distillates, petroleum, heavy thermal cracked	96 Hr LC50 Brachydanio rerio: 48 mg/L [semi-static]
Solvent naphtha, petroleum, heavy aromatic	96 Hr LC50 Pimephales promelas: 19 mg/L [static]; 96 Hr LC50 Oncorhynchus mykiss: 2.34 mg/L; 96 Hr LC50 Lepomis macrochirus: 1740 mg/L [static]; 96 Hr LC50 Pimephales promelas: 45 mg/L [flow-through]; 96 Hr LC50 Pimephales promelas: 41 mg/L 48 Hr EC50 Daphnia magna: 0.95 mg/L
m-Phenylenediamine	96 Hr LC50 Pimephales promelas: 1600 mg/L 48 Hr EC50 Daphnia magna: 5.9 mg/L 96 Hr EC50 Pseudokirchneriella subcapitata: 2.4 mg/L
Naphthalene	96 Hr LC50 Pimephales promelas: 5.74 - 6.44 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 1.6 mg/L [flow-through]; 96 Hr LC50 Oncorhynchus mykiss: 0.91 - 2.82 mg/L [static]; 96 Hr LC50 Pimephales promelas: 1.99 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 31.0265 mg/L [static] 48 Hr LC50 Daphnia magna: 2.16 mg/L; 48 Hr EC50 Daphnia magna: 1.96 mg/L [Flow through]; 48 Hr EC50 Daphnia magna: 1.09 - 3.4 mg/L [Static]

13. Disposal Considerations:

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

14. Transport Information:

DOT Regulated Components:

Environmentally Hazardous Substance, N.O.S.

Reportable Quantity: No minimum threshold

Material ships as follows:

<u>Agency</u>	<u>Proper Shipping Name</u>	<u>UN Number</u>	<u>Packing Group</u>	<u>Hazard Class</u>
ICAO/IAT	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 contains chemicals known to the State of California to cause cancer and/or birth defects or other reproductive harm:

Polycyclic aromatic hydrocarbons 130498-29-2 444 PPM CARC
Naphthalene 91-20-3 0.1 to 1.0 % CARC

Massachusetts Right To Know List:

Naphthalene 91-20-3 0.1 to 1.0 %
m-Phenylenediamine 108-45-2 1 to 5 %

New Jersey Right To Know List:

Naphthalene 91-20-3 0.1 to 1.0 %
m-Phenylenediamine 108-45-2 1 to 5 %

Pennsylvania Right To Know List:

Naphthalene 91-20-3 0.1 to 1.0 %

Chemicals subject to SARA 313 Reporting:

Naphthalene 91-20-3 0.1 to 1.0 % Emissions
m-Phenylenediamine 108-45-2 1 to 5 % Emissions

All Substances Listed on TSCA Inventory Unless Noted:

- None

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 Accella Tire Fill Systems. The data on these sheets relates only to the specific material designated herein. Accella Tire Fill Systems 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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Reviewer Revision 2

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