

Material Safety Data Sheet**1. MATERIAL AND COMPANY IDENTIFICATION**

Material Name : Pennzoil Roadside Fix-A-Flat
Uses : Seal & inflate automotive tires

Manufacturer/Supplier : ITW Global Brands
 6925 Portwest Dr., Suite 100
 Houston, TX. 77024-8042
 USA

MSDS Request : 1-855-888-1988

Emergency Telephone Number
Spill Information : (CHEMTREC) 1-800-424-9300, Local: 1-703-527-3887
Health Information : (RMPDC) 1-877-504-9352

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity	CAS No.	Concentration
Naphthalene	91-20-3	1.00 - 5.00 %

A water based blend of hydrocarbon solvent and additives.

3. HAZARDS IDENTIFICATION

Emergency Overview	
Appearance and Odour	: White. Liquid. Mild.
Health Hazards	: Vapours may cause drowsiness and dizziness. Irritating to eyes. A component or components of this material may cause cancer. Harmful: may cause lung damage if swallowed.
Safety Hazards	: Contents under pressure and can explode when exposed to heat or open flame.
Environmental Hazards	: Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Health Hazards

Inhalation : Vapours may cause drowsiness and dizziness.

Skin Contact : May cause moderate irritation to skin. Repeated exposure may cause skin dryness or cracking.

Eye Contact : Irritating to eyes.

Ingestion : Harmful: may cause lung damage if swallowed. May cause drowsiness and dizziness.

Other Information : A component or components of this material may cause cancer.

Signs and Symptoms : If material enters lungs, signs and symptoms may include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever. The onset of respiratory symptoms may be delayed for several hours after exposure. High concentrations may cause central nervous

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system depression resulting in headaches, dizziness and nausea; continued exposure may result in unconsciousness and/or death. Skin irritation signs and symptoms may include a burning sensation, redness, swelling, and/or blisters. Eye irritation signs and symptoms may include a burning sensation and a temporary redness of the eye.

- Aggravated Medical Condition** : Pre-existing medical conditions of the following organ(s) or organ system(s) may be aggravated by exposure to this material: Skin. Central nervous system (CNS).
- Environmental Hazards** : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Additional Information** : Under normal conditions of use or in a foreseeable emergency, this product meets the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

4. FIRST AID MEASURES

- General Information** : Keep victim calm. Obtain medical treatment immediately.
- Inhalation** : Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment. Inhalation of vapours require immediate medical attention.
- Skin Contact** : If persistent irritation occurs, obtain medical attention. Remove contaminated clothing. Immediately flush skin with large amounts of water for at least 15 minutes, and follow by washing with soap and water if available. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
- Eye Contact** : Flush eye with copious quantities of water.
- Ingestion** : If swallowed, do not induce vomiting; transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.
- Advice to Physician** : Treat symptomatically. Consult a Poison Control Centre for guidance.

5. FIRE FIGHTING MEASURES

- Flash point** : Not applicable.
- Upper / lower Flammability or Explosion limits** : Data not available
- Specific Hazards** : Contents are under pressure and can explode when exposed to heat or flames.
- Suitable Extinguishing Media** : Aerosol containers may be cooled by a water fog.

6. ACCIDENTAL RELEASE MEASURES

- Protective measures** : Remove all possible sources of ignition in the surrounding area. No specific measures.
- Clean Up Methods** : Not applicable.

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Additional Advice : Observe the relevant local and international regulations.

7. HANDLING AND STORAGE

Handling : Do not puncture or incinerate. Contents under pressure and can explode when exposed to heat or open flame.

Storage : Must be stored in a well-ventilated area, away from sunlight, ignition sources and other sources of heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

Material	Source	Type	ppm	mg/m3	Notation
Naphthalene	ACGIH	TWA	10 ppm		
Naphthalene	ACGIH	STEL	15 ppm		
Naphthalene	ACGIH	SKIN_DES			Can be absorbed through the skin.
Naphthalene	OSHA Z1	PEL	10 ppm	50 mg/m3	
Naphthalene	OSHA Z1A	TWA	10 ppm	50 mg/m3	
Naphthalene	OSHA Z1A	STEL	15 ppm	75 mg/m3	

Additional Information : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.
Shell has adopted as Interim Standards the OSHA Z1A values that were established in 1989 and later rescinded.

Exposure Controls : Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

Personal Protective Equipment : Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

Respiratory Protection : Check with respiratory protective equipment suppliers.

Hand Protection : PVC, neoprene or nitrile rubber gloves.

Eye Protection : Chemical splash goggles (chemical monogoggles).

Environmental Exposure Controls : Use only in well-ventilated areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : White. Liquid.

Odour : Mild.

pH : 8.5 - 9.5

Initial Boiling Point and Boiling Range : -1.1 °C / 30.0 °F

Pour point : Typical -26.1 °C / -15.0 °F

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Flash point	: Not applicable.
Upper / lower Flammability or Explosion limits	: Data not available
Vapour pressure	: Data not available
Specific gravity	: Typical 0.98 at 20 °C / 68 °F
Density	: Typical 980 g/cm ³ at 20 °C / 68 °F
Water solubility	: Soluble.
n-octanol/water partition coefficient (log Pow)	: Data not available
Vapour density (air=1)	: < 1
Volatility	: 92 % vol
Evaporation rate (nBuAc=1)	: Data not available

10. STABILITY AND REACTIVITY

Stability	: Stable under normal conditions of use.
Conditions to Avoid	: Open flame.
Materials to Avoid	: Not applicable.
Hazardous Decomposition Products	: None expected under normal use conditions.
Hazardous Polymerisation	: No
Sensitivity to Mechanical Impact	: No
Sensitivity to Static Discharge	: Data not available

11. TOXICOLOGICAL INFORMATION

Basis for Assessment	: Information given is based on data from components.
Acute Oral Toxicity	: Expected to be of low toxicity: LD50 >2000 mg/kg , Rat Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.
Acute Dermal Toxicity	: Expected to be of low toxicity: LD50 >2000 mg/kg , Rabbit
Acute Inhalation Toxicity	: Expected to be of low toxicity: LC50 >20 mg/l Rat High concentrations may cause central nervous system depression resulting in headaches, dizziness and nausea; continued inhalation may result in unconsciousness and/or death.
Skin Irritation	: May cause moderate skin irritation (but insufficient to classify). Repeated exposure may cause skin dryness or cracking.
Eye Irritation	: Irritating to eyes.
Respiratory Irritation	: Expected to be slightly irritating.
Sensitisation	: Not a skin sensitiser.
Mutagenicity	: No evidence of mutagenic activity.
Carcinogenicity	: Causes cancer in laboratory animals. (Naphthalene)

Material	Carcinogenicity Classification
Naphthalene	: ACGIH Group A4: Not classifiable as a human carcinogen.
Naphthalene	: NTP: Anticipated carcinogen.
Naphthalene	: IARC 2B: Possible carcinogen.

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Reproductive and Developmental Toxicity : Not expected to be a developmental toxicant.

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product.

Acute Toxicity

Fish : Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l
Aquatic Invertebrates : Expected to be harmful: 10 < LC/EC/IC50 <= 100 mg/l

Mobility : Floats on water.

Adsorbs to soil and has low mobility.

Persistence/degradability : Expected to be readily biodegradable.

Bioaccumulation : Has the potential to bioaccumulate.

Other Adverse Effects : Not expected to have ozone depletion potential, photochemical ozone creation potential or global warming potential.

13. DISPOSAL CONSIDERATIONS

Material Disposal : Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Local Legislation : Disposal should be in accordance with applicable regional, national, and local laws and regulations.

14. TRANSPORT INFORMATION**US Department of Transportation Classification (49CFR)**

Identification number UN 1950
Proper shipping name Aerosols, non-flammable
Class / Division 2.2

Emergency Response Guide No. 126

IMDG

Identification number UN 1950
Proper shipping name Aerosols, non-flammable
Class / Division 2.2
Marine pollutant: No

IATA (Country variations may apply)

Identification number UN 1950
Proper shipping name Aerosols, non-flammable
Class / Division 2.2

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15. REGULATORY INFORMATION

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

Federal Regulatory Status

Notification Status

EINECS

All components listed or polymer exempt.

TSCA

All components listed.

Comprehensive Environmental Release, Compensation & Liability Act (CERCLA)

Pennzoil Roadside Fix-A-Flat ()

Reportable quantity: 5000 lbs

Naphthalene (91-20-3)

Reportable quantity: 100 lbs

Clean Water Act (CWA) Section 311

Naphthalene (91-20-3)

Reportable quantity: 100 lbs

SARA Hazard Categories (311/312)

Immediate (Acute) Health Hazard. Delayed (Chronic) Health Hazard. Sudden Release of Pressure Hazard.

SARA Toxic Release Inventory (TRI) (313)

Naphthalene (91-20-3)

2.00%

State Regulatory Status

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

This product contains a chemical known to the State of California to cause cancer.

This product contains a chemical known to the state of California to cause birth defects or other reproductive harm.

New Jersey Right-To-Know Chemical List

Naphthalene (91-20-3)

Listed.

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Pennsylvania Right-To-Know Chemical List

Naphthalene (91-20-3)

Environmental hazard.
Listed.

16. OTHER INFORMATION

NFPA Rating (Health, Fire, Reactivity) : 2, 1, 0

MSDS Version Number : 3.0

MSDS Effective Date : 06/04/2010

MSDS Revisions : A vertical bar (|) in the left margin indicates an amendment from the previous version.

MSDS Regulation : The content and format of this MSDS is in accordance with the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

MSDS Distribution : The information in this document should be made available to all who may handle the product.

Disclaimer : The information contained herein is based on our current knowledge of the underlying data and is intended to describe the product for the purpose of health, safety and environmental requirements only. No warranty or guarantee is expressed or implied regarding the accuracy of these data or the results to be obtained from the use of the product.