Safety Data Sheet
W1018N
Diesel Fuel Additive

Section 1 PRODUCT AND COMPANY IDENTIFICATION

Product Number: NAPA 4153

Trade Name and Synonyms: Paraffinic Oil with Additives

Chemical Family: Mixture

Product Use: Diesel Fuel Additive
Restrictions on use: Use only as directed

SDS Date of Preparation: May 28, 2015

Manufacturer
Wix Filtration Products Division, Affinia Group
PO Box 1967
Gastonia, NC 28053

Telephone Numbers
Product Information: (704) 869-3869
Emergency Phone: (800) 424-9300 Chemtrec

Section 2. HAZARD(S) IDENTIFICATION

Classification:

Physical	Health
Flammable Liquid Category 3	Aspiration Toxicity Category 1 Skin Irritation Category 2 Specific Target Organ Toxicity Single Exposure Category 3 (Nervous System) Carcinogen Category 1B

Labeling:

Warning!

Hazard statement(s)

Flammable liquid and vapor.
Causes skin irritation.
May cause drowsiness or dizziness.

Precautionary statement(s)

P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P210 Keep away from heat, sparks, open flames, and hot surfaces. No smoking.
P233 Keep container tightly closed.
P240 Ground and bond container and receiving equipment

P241 Use explosion-proof electrical, ventilating and lighting equipment.
P242 Use only non-sparking tools.
P243 Take precautionary measures against static discharge.
P261 Avoid breathing mist, vapors or spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor.
P331 Do NOT induce vomiting.
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.
P332 + P313 If skin irritation occurs: Get medical attention.
P363 Wash contaminated clothing before reuse.
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P312 Call a POISON CENTER or doctor if you feel unwell.
P308 + P313 IF exposed or concerned: Get medical attention
P370 + P378 In case of fire: Use water fog, carbon dioxide, dry chemical, or foam to extinguish.
P403 + P235 Store in a well-ventilated place. Keep cool. Keep container tightly closed.
P405 Store locked up.
P501 Dispose of contents and container in accordance with local and national regulations.

Section 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical name	CAS No.	Concentration
Distillates, petroleum, hydrotreated light	64742-47-8	70-90%
Naphtha, petroleum, heavy aromatic	64742-94-5	5-10%
Ethylene glycol monobutyl ether	111-76-2	5-10%
Trimethylbenzenes (mixed)	25551-13-7	1-3%
1,2,4 Trimethylbenzene	95-63-6	0.1-0.9%
1,3,5 Trimethylbenzene	108-67-8	0.1-0.6%
Naphthalene	91-20-3	0.1-0.3%
Cumene	98-82-8	0.1-0.2%

The specific identity and/or exact concentration has been withheld as a trade secret.

Section 4. FIRST-AID MEASURES

Eye Contact: Flush eyes thoroughly with running water for several minutes while holding the eyelids open. If symptoms occur and persist, seek medical attention.

Skin Contact: Wash thoroughly with soap and water. Seek medical attention if irritation develops. Launder clothing before reuse.
Inhaled: If mists are inhaled, remove to fresh air. If irritation or other symptoms develop, get medical attention.
Swallowed: If swallowed, do not induce vomiting. Rinse mouth with water if the person is alert. Never give anything by mouth to an unconscious or drowsy person. If vomiting occurs keep head lower than hips to avoid aspiration. Seek immediate medical attention.

Indication of immediate medical attention and special treatment, if necessary: Immediate medical attention is required if ingested.

Section 5. FIRE-FIGHTING MEASURES

Extinguishing Media: Use water fog, carbon dioxide (CO2), dry chemical, or foam. Do not use straight water stream as that may spread the fire.

Specific hazards arising from the chemical: Flammable liquid and vapor. If heated above the flash point this product will release flammable vapors and burn vigorously. Mists and sprays may be flammable at temperatures below the flash point. Vapors are heavier than air and will flow along surfaces to remote ignition sources and flash back. Flammable vapors may collect in low areas. Combustion may produce oxides of carbon, nitrogen and various hydrocarbons.

Special protective equipment and precautions for fire-fighters: Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire exposed containers and structures with water.

Section 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures: Eliminate ignition sources and ventilate the area. Use appropriate protective clothing and equipment during clean-up.

Environmental hazards: Avoid release into the environment. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Absorb small spills with an inert (non-combustible) absorbent and place in a container for disposal. Contain large spills with sand or earth or other absorbent. Pump liquid into holding tanks. Collect residue with an inert absorbent as described above for small spills.

Section 7. HANDLING AND STORAGE

Precautions for safe handling: Avoid generating and breathing mists and avoid contact with eyes, skin or clothing. Use with adequate ventilation. Wash thoroughly after handling. Remove and launder contaminated clothing before reuse. Keep product away from heat and all sources of ignition.

Empty containers retain residues and may be hazardous. Do not flame cut, weld, braze, grind etc. on or near empty containers. They may explode and cause injury or death.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry, well-ventilated area away from oxidizers.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure guidelines:

Distillates, petroleum, hydrotreated light	5 mg/m3 (inhalable) TWA ACGIH TLV 5 mg/m3 TWA OSHA PEL (as soil mist)
Naphtha, petroleum, heavy aromatic	None Established
Ethylene glycol monobutyl ether	50 ppm skin TWA OSHA PEL 20 ppm skin TWA ACGIH TLV
Trimethylbenzenes	25 ppm TWA ACGIH TLV
1,2,4 Trimethylbenzene	25 ppm TWA ACGIH TLV
1,3,5 Trimethylbenzene	25 ppm TWA ACGIH TLV
Naphthalene	10 ppm TWA OSHA PEL 10 ppm TWA (skin) ACGIH TLV
Cumene	50 ppm TWA(skin) OSHA PEL 50 ppm TWA ACGIH TLV

Appropriate engineering controls: Use with adequate general or local exhaust ventilation to maintain exposure concentrations below the exposure limits.

Personal Protective Equipment
Respiratory protection: For operations where the exposure limits are exceeded, a NIOSH approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.
Skin protection: Wear neoprene, nitrile or other impervious gloves if needed to avoid contact.
Eye protection: Chemical safety glasses or goggles if needed to avoid eye contact.

Section 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.): Clear liquid
Odor: Solvent/oil odor

Odor threshold: Not available	**pH:** Not available
Melting point/freezing point: Not available	**Boiling point/Range:** Not available
Flash point: 132°F (55.6°C)	**Evaporation rate:** Not available
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not available	**UEL:** Not available
Vapor pressure: Not available	**Vapor density (air =1):** >1
Relative density: 0.83	**Solubility(ies):** Negligible
Partition coefficient: n-octanol/water: Not available	**Auto-ignition temperature:** Not available
Decomposition temperature: Not available	**Viscosity:** Not available

Section 10. STABILITY AND REACTIVITY

Reactivity: May react with oxidizing agents.
Chemical stability: Stable.
Possibility of hazardous reactions: May react with heat producing heat.
Conditions to avoid: Avoid heat, flames and other sources of ignition.
Incompatible materials: Avoid contact with strong oxidizing agents.
Hazardous decomposition products: Thermal decomposition will generate carbon and nitrogen oxides and/or low molecular weight hydrocarbons.

Section 11. TOXICOLOGICAL INFORMATION

Potential Health Effects:

Eye: May cause mild irritation with redness and tearing.
Skin: Causes irritation. Repeated or prolonged skin contact may cause dryness and cracking with possible dermatitis.
Inhalation: Inhalation of vapors or mists may cause irritation of the nose, throat and upper respiratory tract. High vapor concentrations may cause nervous system symptoms such as drowsiness, sleepiness or dizziness. Prolonged exposure to high concentrations may cause unconsciousness.
Ingestion: Ingestion may cause nausea and diarrhea and damage to the blood, liver and kidneys. Possible aspiration hazard – can enter the lungs during swallowing and cause lung damage.

Chronic effects: Repeated overexposure may cause anemia, liver and kidney damage.

Reproductive Toxicity: None on the components have been shown to cause reproductive or developmental toxicity.

Carcinogenicity: Naphthalene and cumene are listed by IARC as a suspected carcinogen (group 2B) and NTP as reasonably anticipated to be a carcinogen. None of the other components of this product present at 0.1% or greater are listed as carcinogens by IARC, NTP or OSHA.

Acute Toxicity Values:
Distillates, petroleum, hydrotreated light: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >5.28 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg
Naphtha, petroleum, heavy aromatic: Oral rat LD50 >5000 mg/kg, Inhalation rat LC50 >5.28 mg/L/4 hr, Dermal rabbit LD50 >2000 mg/kg
Ethylene glycol monobutyl ether: Oral rat LD50 1414 mg/kg, Inhalation rat LC50 >3.9 mg/L, Dermal rabbit LD50 >2000 mg/kg
Trimethylbenzenes: Oral rat LD50 6000 mg/kg, Inhalation rat LC50 >4.69 mg/L/4 hr, Dermal rat LD50 3440 m/kg
1,2,4 Trimethylbenzene: Oral rat LD50 6000 mg/kg, Inhalation rat LC50 >4.69 mg/L/4 hr, Dermal rat LD50 3440 m/kg
1,3,5 Trimethylbenzene: Oral rat LD50 6000 mg/kg, Inhalation rat LC50 10.2 mg/L/4 hr, Dermal rat LD50 >2000 mg/kg
Naphthalene: Oral rat LD50 533 mg/kg, Inhalation rat LC0 0.4 mg/L (highest attainable concentration), Dermal rat LC50 >2500 mg/kg
Cumene: Oral rat LD50 2700 mg/kg, Inhalation at LC0 22.1 mg/l/1 hr. Dermal rabbit LD50 >3160 mg/kg

Section 12. ECOLOGICAL INFORMATION

Ecotoxicity:

Distillates, petroleum, hydrotreated light: 96 hr LL50 Oncorhynchus mykiss 2 mg/L, 48 hr LL50 daphnia magna 1.4 mg/L, 72 hr EL50 Pseudokirchnerella subcapitata 1 mg/L
Naphtha, petroleum, heavy aromatic: 96 hr LL50 Oncorhynchus mykiss 2 mg/L, 48 hr LL50 daphnia magna 1.4 mg/L, 72 hr EL50 Pseudokirchnerella subcapitata 1 mg/L
Ethylene glycol monobutyl ether: 96 hr LC50 Oncorhynchus mykiss 1474 mg/L, 48 hr LL50 daphnia magna 1550 mg/L, 72 hr EC Pseudokirchnerella subcapitata 911 mg/L
Trimethylbenzenes: 96 hr LC50 fish 5.12 mg/L, 48 hr LC50 daphnia sp, 3.628 mg/L, 96 hr EC50 green algae 3.191 mg/L
1,2,4 Trimethylbenzene: 96 hr LC50 Pimephales promelas 7.72 mg/L, 48 hr LC50 daphnia magna 3.6 mg/L, 96 hr EC50 green algae 2.356 mg/L
1,3,5 Trimethylbenzene: 96 hr LC50 fish 5.12 mg/L, 48 hr LC50 daphnia sp, 3.628 mg/L, 96 hr EC50 green algae 3.191 mg/L
Naphthalene: 96 hr LC50 Pimephales promelas 6.08 mg/L, 48 hr EC50 daphnia magna 2.16 mg/L
Cumene: 96 hr LC50 Oncorhynchus mykiss 4.8 mg/L, 48 hr LC50 daphnia magna 2.14 mg/L, 72 hr EC50 Desmodesmus subspicatus 2.01 mg/L

Persistence and degradability: Distillates, petroleum, hydrotreated light and naphtha, petroleum, heavy aromatic are not readily biodegradable. Ethylene glycol monobutyl ether is readily biodegradable.
Bioaccumulative potential: This product has the potential to bioaccumulate.
Mobility in soil: No data available.
Other adverse effects: None known.

Section 13. DISPOSAL CONSIDERATIONS

Dispose in accordance with all local, state and federal regulations.

Section 14. TRANSPORT INFORMATION

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT		Excepted for Hazmat (49 CFR 173.150(f))			
TDG		Excepted from Regulation (Section 1.33)			
IMDG	UN1268	Petroleum Distillates	3	PGIII	

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. REGULATORY INFORMATION

Safety, health, and environmental regulations specific for the product in question.

CERCLA 103 Reportable Quantity: The Reportable Quantity for this product is 33,300 lbs. based on the RQ of naphthalene present at 0.3% maximum. In addition, oils spills to the navigable waters of the US are reportable to the national response center. Many states have more stringent reporting requirements. Report releases as required by all federal, state and local authorities.

SARA TITLE III:
Hazard Category for Section 311/312: Acute Health, Chronic Health, Fire Hazard
SARA 313: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements:

Glycol Ether (Ethylene Glycol Monobutyl Ether)	111-76-2	5-10%
Naphthalene	91-20-3	0.1-0.3%

Section 302 Extremely Hazardous Substances (TPQ): None

EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.

California Proposition 65: This product contains chemicals that are known to the State of California to cause cancer, birth defects or other reproductive harm.

Section 16. OTHER INFORMATION

NFPA Rating: Health = 2 Flammability = 2 Instability = 0
HMIS Rating: Health = 2 Flammability = 2 Physical Hazard =0

SDS Revision History: Converted to GHS format – All sections revised
Date of preparation: May 28, 2015
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Safety Data Sheet
W1018N
Diesel Fuel Additive

Revision History

Product	**Type**	**Chemical Name**	
W1018	Diesel Fuel Additive	Paraffinic Oil with Additives	
Revision	**Description**	**Effective Date**	**Signed**
A	Revised phone number.	2/3/14	Carmen Reich
B	Converted to GHS format – All Sections revised	5/26/15	Angela Rath