

Safety Data Sheet

According to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

SDS ID: 31582

Issue date: 3/25/2024 Revision date: 5/15/2024 Supersedes: 4/25/2024 Version: 1.2

SECTION 1: Identification

Product form Mixture

Product name : Polaris Anti-Static Fuel Treatment & Stabilizer

1.2. Recommended use and restrictions on use

No additional information available

1.3. Supplier

Polaris 2100 Hwy 55 Medina, MN, 55340 USA

T 1-763-542-0500

1.4. Emergency telephone number

Emergency number : 1-800-424-9300 (CHEMTREC)

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 4 H227 Combustible liquid

Skin sensitization, Category 1 H317 May cause an allergic skin reaction Carcinogenicity Category 2 H351 Suspected of causing cancer

Aspiration hazard Category 1 H304 May be fatal if swallowed and enters airways

Full text of H statements: see section 16

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)





Signal word (GHS US) : Danger

: H227 - Combustible liquid Hazard statements (GHS US)

H304 - May be fatal if swallowed and enters airways

H317 - May cause an allergic skin reaction H351 - Suspected of causing cancer

Precautionary statements (GHS US) : P201 - Obtain special instructions before use.

P202 - Do not handle until all safety precautions have been read and understood.

P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray.

P272 - Contaminated work clothing must not be allowed out of the workplace. P280 - Wear protective gloves/protective clothing/eye protection/face protection.

P301+P310 - If swallowed: Immediately call a poison center or doctor.

P302+P352 - If on skin: Wash with plenty of water.

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P308+P313 - If exposed or concerned: Get medical advice/attention.

P321 - Specific treatment (see supplemental first aid instruction on this label).

P331 - Do NOT induce vomiting.

P333+P313 - If skin irritation or rash occurs: Get medical advice/attention.

P363 - Wash contaminated clothing before reuse.

P370+P378 - In case of fire: Use media other than water to extinguish.

P403+P235 - Store in a well-ventilated place. Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

No additional information available

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	CAS-No.: 64742-47-8	≥ 75	Flam. Liq. 4, H227 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	CAS-No.: 64742-95-6	1 – 10	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304
POLYOLEFIN ALKYL PHENOL ALKYL AMINE	CAS-No.: TRADE SECRET	1 – 5	Skin Irrit. 2, H315
BENZENE, 1,2,4-TRIMETHYL-	CAS-No.: 95-63-6	1 – 5	Flam. Liq. 3, H226 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335
TRIAZOLE DERIVATIVE	CAS-No.: TRADE SECRET	0.5 – 1	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 2, H411
KEROSENE	CAS-No.: 8008-20-6	0.1 – 0.5	Flam. Liq. 4, H227 Skin Irrit. 2, H315 Carc. 2, H351 Asp. Tox. 1, H304

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Name	Product identifier	%	GHS US classification
CUMENE	CAS-No.: 98-82-8	< 0.5	Flam. Liq. 3, H226 Carc. 2, H351 STOT SE 3, H335 Asp. Tox. 1, H304

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : Call a physician immediately.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.

First-aid measures after skin contact : Wash skin with plenty of water. Take off contaminated clothing. If skin irritation or rash occurs:

Get medical advice/attention.

First-aid measures after eye contact : Rinse eyes with water as a precaution.

First-aid measures after ingestion : Do not induce vomiting. Call a physician immediately.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects after inhalation : Although no appropriate human or animal health effects data are known to exist, this material is

expected to be an inhalation hazard.

Symptoms/effects after skin contact : May cause an allergic skin reaction. Symptoms/effects after eye contact : None under normal conditions.

Symptoms/effects after ingestion : Risk of lung edema.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Do not use a heavy water stream.

5.2. Specific hazards arising from the chemical

Fire hazard : Combustible liquid.

Explosion hazard : No direct explosion hazard.

Hazardous decomposition products in case of fire : Toxic fumes may be released.

5.3. Special protective equipment and precautions for fire-fighters

Firefighting instructions : Fight fire from safe distance and protected location. Do not enter fire area without proper

protective equipment, including respiratory protection.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Stop leak if safe to do so. Notify authorities if product enters sewers or public waters. Absorb

spillage to prevent material-damage.

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6.1.1. For non-emergency personnel

Protective equipment : Wear recommended personal protective equipment.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and

eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer

to section 8: "Exposure controls/personal protection".

Emergency procedures : Evacuate unnecessary personnel. Stop leak if safe to do so.

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Absorb spilled material with sand or earth. Contain any spills with dikes or absorbents to prevent

migration and entry into sewers or streams. Stop leak, if possible without risk.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Not expected to present a significant hazard under anticipated conditions of normal use.

Precautions for safe handling : Ensure good ventilation of the work station. Keep away from heat, hot surfaces, sparks, open

flames and other ignition sources. No smoking. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray.

Hygiene measures : Contaminated work clothing should not be allowed out of the workplace. Wash contaminated

clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands

after handling the product.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Keep in a cool, well-ventilated place away from heat.

Storage conditions : Store in a well-ventilated place. Keep cool. Store locked up.

Packaging materials : Store always product in container of same material as original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
USA - ACGIH - Occupational Exposure Limits		
Local name	1,2,4-Trimethyl benzene	
ACGIH OEL TWA	10 ppm	
Remark (ACGIH)	TLV® Basis: CNS impair; hematologic eff. Notations: A4 (Not classifiable as a Human Carcinogen)	

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BENZENE, 1,2,4-TRIMETHYL- (95-63-6)

Regulatory reference ACGIH 2022

CUMENE (98-82-8)

USA - ACGIH - Occupational Exposure Limits

ACGIH OEL TWA 5 ppm

KEROSENE (8008-20-6)

USA - ACGIH - Occupational Exposure Limits

Local name	Kerosene
ACGIH OEL TWA	200 mg/m³ (P - Application restricted to conditions in which there are negligible aerosol exposures)
Remark (ACGIH)	TLV® Basis: Skin & URT irr; CNS impair. Notations: Skin; A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)
Regulatory reference	ACGIH 2019

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Wear recommended personal protective equipment.

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

In case of insufficient ventilation, wear suitable respiratory equipment

Personal protective equipment symbol(s):







SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Appearance : Clear, colorless liquid.

Color : Clear Odor : Amine-like

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No data available

No data available

No data available

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Odor threshold : No data available pН : No data available Melting point No data available Freezing point No data available No data available Boiling point

Flash point 66 °C Relative evaporation rate (butyl acetate=1) No data available Flammability (solid, gas) Not applicable. Vapor pressure No data available Relative vapor density at 20°C No data available Relative density 0.8 @15.6 °C Solubility : No data available Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available Viscosity, kinematic : 1.8 mm²/s @ 40°C No data available

9.2. Other information

Viscosity, dynamic

Explosive properties

Oxidizing properties

Explosion limits

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified Acute toxicity (dermal) Not classified : Not classified Acute toxicity (inhalation)

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LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (oral) 2700 mg/kg body weight ATE US (vapors) 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h Skin corrosion/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified	7.6561 during to 1.6461 during 1.617 vol. 11, 116. 567 Monday,	That of 25, 20 in 7 it aloo and it ogainst one
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LD50 dermal rat LC50 Inhalation - Rat (Vapours) 5.16 mg/l Source: ECHA ATE US (oral) 8400 mg/kg body weight ATE US (vapors) 5.16 mg/l Kapours ECHA ATE US (vapors) 5.16 mg/l Kapours ECHA ATE US (vapors) 5.16 mg/l/4h BENZENE, 1,2,4-TRIMETHYL- (95-63-6) LD50 dermal rat LD50 dermal ratbit 2 3160 mg/kg Source: International Uniform Chemical. Information Database 2 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s)) LC50 Inhalation - Rat LC50 Inhalation - Rat (Vapours) 18 mg/l Source: Corporate Solution From Thomson Micromedex ATE US (dust, mist) 1.5 mg/l/4h CUMENE (93-82-8) LD50 dermal rabbit 2 3160 mg/kg body weight (24 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s)) ATE US (oral) 39 mg/l (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s)) LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male / female, Experimental value, Dermal, 14 day(s) LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (oral) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature 8 mg/l (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s)) ATE US (dust, mist) Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	LC50 Inhalation - Rat (Dust/Mist)	> 5.2 mg/l Source: IUCLID
LC50 Inhalation - Rat (Vapours) 5.16 mg/l Source: ECH/A ATE US (vapors) 5.16 mg/l/4h BENZENE, 1,2,4-TRIMETHYL- (95-63-6) LD50 dermal rat LD50 dermal rat LD50 dermal rat LC50 Inhalation - Rat (Vapours) 18 mg/l Source: International Uniform Chemical, Information Database LC50 Inhalation - Rat LC50 Inhalation - Rat (Vapours) 18 mg/l Source: International Uniform Chemical, Information Database LC50 Inhalation - Rat (Vapours) 18 mg/l Source: International Uniform Chemical, Information Database LC50 Inhalation - Rat LC50 Inhalation - Rat (Vapours) 15 mg/l/4h CUMENE (93-92-8) LD50 dermal rabbit 2 3160 mg/kg body weight (24 h, Rabbit, Male / female, Experimental Value, Dermal, 14 day(s) LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental Value, Inhalation (Vapours), 14 day(s)) ATE US (oral) 2700 mg/kg body weight 2700 mg/kg body weight ATE US (oral) 39 mg/l/4h Skin corrosion/irritation 39 mg/l/4h Skin corrosion/irritation 39 mg/l/4h No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature PERDZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Respiratory or skin sensitization Sem cell mutagenicity Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) Sem cell mutagenicity Subt classified Responductive toxicity Toxic LS (sassified Responductive toxicity Toxic LS (sassified Seproductive toxicity Toxic LS (sassified Solvent NaPhtHA (PetrolleUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	SOLVENT NAPHTHA (PETROLEUM), LIG	HT AROMATIC (64742-95-6)
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BENZENE, 1,2,4-TRIMETHYL- (95-63-6) LD50 dermal rat 3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal) LD50 dermal rabbit > 3160 mg/kg Source: International Uniform Chemical. Information Database LC50 Inhalation - Rat > 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s)) LC50 Inhalation - Rat (Vapours) 18 mg/l Source: Corporate Solution From Thomson Micromedex ATE US (dust, mist) 1.5 mg/l/4h CUMENE (98-32-8) LD50 dermal rabbit > 3160 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s) LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (vapors) 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (vapors) 39 mg/l/4h ATE US (vapors) 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Respiratory or skin senstitzation Segrem cell mutagenicity Suspected of causing cancer. CUMENE (98-82-8) LACG group 28 - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	ATE US (oral)	8400 mg/kg body weight
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LC50 Inhalation - Rat	LD50 dermal rat	3440 mg/kg (24 h, Rat, Male / female, Read-across, Dermal)
LC50 Inhalation - Rat (Vapours) ATE US (dust, mist) 1.5 mg/l/4h CUMENE (98-82-8) LD50 dermal rabbit > 3160 mg/kg body weight (24 h, Rabbit, Male / female, Experimental value, Dermal, 14 day(s) LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (oral) ATE US (oral) ATE US (dust, mist) 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h No classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization May cause an allergic skin reaction. Germ cell mutagenicity Not classified CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans Reproductive toxicity Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	LD50 dermal rabbit	> 3160 mg/kg Source: International Uniform ChemicaL Information Database
ATE US (dust, mist) CUMENE (98-82-8) LD50 dermal rabbit	LC50 Inhalation - Rat	> 10.2 mg/l air (4 h, Rat, Male / female, Read-across, Inhalation (vapours), 14 day(s))
LD50 dermal rabbit LD50 dermal rabbit LD50 dermal rabbit STOT-single exposure SDLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. Sap mg/l e4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s) ATE US (oral) 2700 mg/kg body weight 2700 mg/kg body weight 2700 mg/kg body weight 2700 mg/kg body weight 39 mg/l/4h ATE US (vapors) 39 mg/l/4h 39 mg/l/4h 39 mg/l/4h 39 mg/l/4h Skin corrosion/irritation No t classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Respiratory or skin sensitization Suspected of causing cancer. CUMENE (98-82-8) LARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) May cause drowsiness or dizziness. May cause respiratory irritation.	LC50 Inhalation - Rat (Vapours)	18 mg/l Source: Corporate Solution From Thomson Micromedex
LD50 dermal rabbit LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (oral) ATE US (vapors) 39 mg/l/4h ATE US (vapors) 39 mg/l/4h ATE US (dust, mist) Skin corrosion/lirritation BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	ATE US (dust, mist)	1.5 mg/l/4h
LC50 Inhalation - Rat 39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s)) ATE US (oral) 2700 mg/kg body weight 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h ATE US (dust, mist) Skin corrosion/irritation BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Serious eye damage/irritation EBENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature No data available in the literature Respiratory or skin sensitization Serm cell mutagenicity Not classified Carcinogenicity Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity Not classified STOT-single exposure Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	CUMENE (98-82-8)	
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ATE US (vapors) 39 mg/l/4h ATE US (dust, mist) 39 mg/l/4h Skin corrosion/irritation EBNZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation EBNZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization Emutagenicity Not classified Carcinogenicity Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity Not classified STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	LC50 Inhalation - Rat	39 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours), 14 day(s))
ATE US (dust, mist) 39 mg/l/4h Skin corrosion/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	ATE US (oral)	2700 mg/kg body weight
BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	ATE US (vapors)	39 mg/l/4h
BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH No data available in the literature Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation.	ATE US (dust, mist)	39 mg/l/4h
PH No data available in the literature Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) PH No data available in the literature Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	Skin corrosion/irritation	: Not classified
Serious eye damage/irritation : Not classified BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH	BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	
BENZENE, 1,2,4-TRIMETHYL- (95-63-6) pH	рН	No data available in the literature
No data available in the literature Respiratory or skin sensitization Germ cell mutagenicity Carcinogenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	Serious eye damage/irritation	: Not classified
Respiratory or skin sensitization : May cause an allergic skin reaction. Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group : 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status : Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	
Germ cell mutagenicity : Not classified Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group : 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status : Reasonably anticipated to be Human Carcinogen Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure : May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	рН	No data available in the literature
Carcinogenicity : Suspected of causing cancer. CUMENE (98-82-8) IARC group	Respiratory or skin sensitization	
IARC group 2B - Possibly carcinogenic to humans National Toxicity Program (NTP) Status Reasonably anticipated to be Human Carcinogen Reproductive toxicity 3 Not classified STOT-single exposure 3 Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
National Toxicity Program (NTP) Status Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
Reproductive toxicity : Not classified STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	IARC group	2B - Possibly carcinogenic to humans
STOT-single exposure : Not classified SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	National Toxicity Program (NTP) Status	Reasonably anticipated to be Human Carcinogen
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6) STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	Reproductive toxicity	: Not classified
STOT-single exposure May cause drowsiness or dizziness. May cause respiratory irritation. BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	STOT-single exposure	
BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	SOLVENT NAPHTHA (PETROLEUM), LIG	HT AROMATIC (64742-95-6)
	STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.
STOT-single exposure May cause respiratory irritation.	BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	
	STOT-single exposure	May cause respiratory irritation.

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CUMENE (98-82-8)	
STOT-single exposure	May cause respiratory irritation.
STOT-repeated exposure	: Not classified
BENZENE, 1,2,4-TRIMETHYL- (95-63-	-6)
NOAEL (oral,rat,90 days)	600 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)
NOAEC (inhalation,rat,vapor,90 days)	1.8 mg/l air Animal: rat, Guideline: OECD Guideline 452 (Chronic Toxicity Studies)
Aspiration hazard Viscosity, kinematic	: May be fatal if swallowed and enters airways. : 1.8 mm²/s @ 40°C
SOLVENT NAPHTHA (PETROLEUM),	LIGHT AROMATIC (64742-95-6)
Viscosity, kinematic	< 1 mm²/s Temp.: 'other:' Parameter: 'kinematic viscosity (in mm²/s)'
BENZENE, 1,2,4-TRIMETHYL- (95-63-	-6)
Viscosity, kinematic	0.843 mm ² /s (20 °C)
CUMENE (98-82-8)	
Viscosity, kinematic	0.74 mm²/s (38 °C)
KEROSENE (8008-20-6)	
Viscosity, kinematic	1.5 mm²/s @ 40C
Symptoms/effects after inhalation	: Although no appropriate human or animal health effects data are known to exist, this material is expected to be an inhalation hazard.
Symptoms/effects after skin contact	: May cause an allergic skin reaction.
Symptoms/effects after eye contact	: None under normal conditions.
Symptoms/effects after ingestion	: Risk of lung edema.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)		
LC50 - Fish [1]	2.4 mg/l Source: ECOTOX	
SOLVENT NAPHTHA (PETROLEUM), LIGH	IT AROMATIC (64742-95-6)	
LC50 - Fish [1]	9.22 mg/l Source: IUCLID	
EC50 - Crustacea [1]	6.14 mg/l Source: IUCLID	
EC50 72h - Algae [1]	19 mg/l Source: IUCLID	
BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
LC50 - Fish [1]	7.72 mg/l (96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)	
EC50 - Crustacea [1]	6.14 mg/l Source: International Uniform ChemicaL Information Database	
EC50 96h - Algae [1]	2.356 mg/l (ECOSAR, Algae, Fresh water, QSAR)	

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CUMENE (98-82-8)	
LC50 - Fish [1]	4.8 mg/l (EPA OTS 797.1400, 96 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value, GLP)
EC50 - Crustacea [1]	2.14 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, Locomotor effect)
ErC50 algae	2.01 mg/l (EU Method C.3, 72 h, Desmodesmus subspicatus, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

Polaris Anti-Static Fuel Treatment & Stabilizer		
Persistence and degradability	Not rapidly degradable	
DISTILLATES (PETROLEUM), HYDROTR	EATED LIGHT (64742-47-8)	
Persistence and degradability	Not rapidly degradable	
TRIAZOLE DERIVATIVE (TRADE SECRE	T)	
Persistence and degradability	Not rapidly degradable	
SOLVENT NAPHTHA (PETROLEUM), LIG	SHT AROMATIC (64742-95-6)	
Persistence and degradability	Not rapidly degradable	
POLYOLEFIN ALKYL PHENOL ALKYL A	MINE (TRADE SECRET)	
Persistence and degradability	Not rapidly degradable	
BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
Persistence and degradability	Not readily biodegradable in water.	
Chemical oxygen demand (COD)	0.44 g O ₂ /g substance	
CUMENE (98-82-8)		
Persistence and degradability	Not readily biodegradable in water.	
Biochemical oxygen demand (BOD)	1.28 g O ₂ /g substance	
Chemical oxygen demand (COD)	2.42 g O ₂ /g substance	
ThOD	3.2 g O₂/g substance	
KEROSENE (8008-20-6)		
Persistence and degradability	Not rapidly degradable	

12.3. Bioaccumulative potential

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)		
Partition coefficient n-octanol/water (Log Pow)	3.3 – 6 Source: IUCLID	
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6)		
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6	
BENZENE, 1,2,4-TRIMETHYL- (95-63-6)		
BCF - Fish [1]	243 (Pimephales promelas, QSAR)	

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BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	
Partition coefficient n-octanol/water (Log Pow)	3.63 (Experimental value, KOWWIN)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
CUMENE (98-82-8)	
BCF - Other aquatic organisms [1]	94.69 l/kg (BCFBAF v3.00, Calculated value)
Partition coefficient n-octanol/water (Log Pow)	3.55 (Experimental value, OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method, 23 °C)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).

12.4. Mobility in soil

BENZENE, 1,2,4-TRIMETHYL- (95-63-6)	
Surface tension	No data available in the literature
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.04 (log Koc, Calculated value)
Ecology - soil	Low potential for mobility in soil. May be harmful to plant growth, blooming and fruit formation.
CUMENE (98-82-8)	
Surface tension	28.2 mN/m (20 °C)
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	2.946 (log Koc, Calculated value)
Ecology - soil	Low potential for adsorption in soil.

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Disposal methods

Regional waste regulation : Disposal must be done according to official regulations.

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

Sewage disposal recommendations : Disposal must be done according to official regulations. Product/Packaging disposal recommendations : Disposal must be done according to official regulations.

Additional information : Do not re-use empty containers.

SECTION 14: Transport information

In accordance with DOT

14.1. UN number

DOT NA No : NA1993

14.2. UN proper shipping name

Proper Shipping Name (DOT) : Combustible liquid, n.o.s. (Petroleum distillates)

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14.3. Transport hazard class(es)

DOT

Transport hazard class(es) (DOT) : Combustible liquid

14.4. Packing group

Packing group (DOT) : III

14.5. Environmental hazards

Other information : No supplementary information available.

14.6. Special precautions for user

Special transport precautions : Not DOT regulated in packages less than 119 gallons when offered for shipment by

ground.

DOT

UN-No.(DOT) : NA1993
DOT Packaging Exceptions (49 CFR 173.xxx) : 150
DOT Packaging Non Bulk (49 CFR 173.xxx) : 203
DOT Packaging Bulk (49 CFR 173.xxx) : 241

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Commercial status of components according to the United States Environmental Protection Agency's Toxic Substances Control Act (TSCA):

Name	CAS-No.	Listing	Commercial status	Flags
DISTILLATES (PETROLEUM), HYDROTREATED LIGHT	64742-47-8	Present	Active	
TRIAZOLE DERIVATIVE	TRADE SECRET	Not present	-	
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC	64742-95-6	Present	Active	
POLYOLEFIN ALKYL PHENOL ALKYL AMINE	TRADE SECRET	Not present	-	
BENZENE, 1,2,4-TRIMETHYL-	95-63-6	Present	Active	
CUMENE	98-82-8	Present	Active	
KEROSENE	8008-20-6	Present	Active	

BENZENE, 1,2,4-TRIMETHYL- (95-63-6)

Subject to reporting requirements of United States SARA Section 313

CUMENE (98-82-8)

Subject to reporting requirements of United States SARA Section 313

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 5000 lb

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15.2. International regulations

CANADA

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)

Listed on the Canadian DSL (Domestic Substances List)

TRIAZOLE DERIVATIVE (TRADE SECRET)

Not listed on the Canadian DSL (Domestic Substances List)/NDSL (Non-Domestic Substances List)

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROMATIC (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

BENZENE, 1,2,4-TRIMETHYL- (95-63-6)

Listed on the Canadian DSL (Domestic Substances List)

CUMENE (98-82-8)

Listed on the Canadian DSL (Domestic Substances List)

KEROSENE (8008-20-6)

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT (64742-47-8)

Listed on INSQ (Mexican National Inventory of Chemical Substances)

CUMENE (98-82-8)

Listed on IARC (International Agency for Research on Cancer) Listed as carcinogen on NTP (National Toxicology Program)

15.3. US State regulations

CUMENE (98-82-8)					
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
Yes	No	No	No		

SECTION 16: Other information

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Full text of H-phrases		
H226	Flammable liquid and vapor	
H227	Combustible liquid	
H304	May be fatal if swallowed and enters airways	
H315	Causes skin irritation	
H317	May cause an allergic skin reaction	
H319	Causes serious eye irritation	
H332	Harmful if inhaled	
H335	May cause respiratory irritation	
H336	May cause drowsiness or dizziness	
H351	Suspected of causing cancer	
H400	Very toxic to aquatic life	
H411	Toxic to aquatic life with long lasting effects	

Safety Data Sheet (SDS), USA

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.