

SAFETY DATA SHEET

Testmix, Part Number CP299107

Section 1. Identification

1.1 Product identifier

Product name : Testmix, Part Number CP299107
Part No. : CP299107
Validation date : 9/29/2016

1.2 Relevant identified uses of the substance or mixture and uses advised against

Material uses : Analytical chemistry.
 5 x 1 ml

1.3 Details of the supplier of the safety data sheet

Supplier/Manufacturer : Agilent Technologies, Inc.
 5301 Stevens Creek Blvd
 Santa Clara, CA 95051, USA
 800-227-9770

1.4 Emergency telephone number

In case of emergency : CHEMTREC®: 1-800-424-9300

Section 2. Hazards identification

2.1 Classification of the substance or mixture

OSHA/HCS status : This material is considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200).

Classification of the substance or mixture

H225 FLAMMABLE LIQUIDS - Category 2
 H315 SKIN IRRITATION - Category 2
 H319 EYE IRRITATION - Category 2A
 H340 GERM CELL MUTAGENICITY - Category 1
 H350 CARCINOGENICITY - Category 1A
 H361 TOXIC TO REPRODUCTION (Fertility) - Category 2
 H361 TOXIC TO REPRODUCTION (Unborn child) - Category 2
 H335 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3
 H336 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
 H372 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (blood system, central nervous system (CNS), kidneys) - Category 1
 H304 ASPIRATION HAZARD - Category 1

Ingredients of unknown toxicity : Percentage of the mixture consisting of ingredient(s) of unknown toxicity: 36.3%

2.2 GHS label elements

Hazard pictograms :



Signal word : Danger

Section 2. Hazards identification

- Hazard statements** : H225 - Highly flammable liquid and vapor.
H319 - Causes serious eye irritation.
H315 - Causes skin irritation.
H340 - May cause genetic defects.
H350 - May cause cancer.
H361 - Suspected of damaging fertility or the unborn child.
H304 - May be fatal if swallowed and enters airways.
H335 - May cause respiratory irritation.
H336 - May cause drowsiness or dizziness.
H372 - Causes damage to organs through prolonged or repeated exposure. (blood system, central nervous system (CNS), kidneys)
- Precautionary statements**
- Prevention** : P201 - Obtain special instructions before use.
P202 - Do not handle until all safety precautions have been read and understood.
P280 - Wear protective gloves. Wear eye or face protection. Wear protective clothing.
P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P241 - Use explosion-proof electrical, ventilating, lighting and all material-handling equipment.
P242 - Use only non-sparking tools.
P243 - Take precautionary measures against static discharge.
P233 - Keep container tightly closed.
P271 - Use only outdoors or in a well-ventilated area.
P260 - Do not breathe vapor.
P270 - Do not eat, drink or smoke when using this product.
P264 - Wash hands thoroughly after handling.
- Response** : P314 - Get medical attention if you feel unwell.
P308 + P313 - IF exposed or concerned: Get medical attention.
P304 + P340 + P312 - IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or physician if you feel unwell.
P301 + P310 + P331 - IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P302 + P352 + P362+P364 - IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse.
P332 + P313 - If skin irritation occurs: Get medical attention.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical attention.
- Storage** : P405 - Store locked up.
P403 - Store in a well-ventilated place.
P235 - Keep cool.
- Disposal** : P501 - Dispose of contents and container in accordance with all local, regional, national and international regulations.
- 2.3 Other hazards**
- Hazards not otherwise classified** : None known.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Ingredient name	%	CAS number
☑ Cumene	≤10	98-82-8
trans-Bicyclo[4.4.0]decane	≤10	493-02-7
Ethylcyclohexane	≤10	1678-91-7
Decane	≤10	124-18-5
o-xylene	≤10	95-47-6
ethylbenzene	≤9.9	100-41-4
isopropylcyclohexane	≤5	696-29-7
undecane	≤5	1120-21-4
Tetradecane	≤5	629-59-4
Octane	≤5	111-65-9
2,2,4-trimethylpentane	≤5	540-84-1
dodecane	≤5	112-40-3
methylcyclohexane	≤5	108-87-2
nonane	≤3	111-84-2
benzene	≤3	71-43-2
Toluene	≤3	108-88-3
4-methylcyclohexene	≤3	591-47-9
Heptane	≤3	142-82-5
2,3-Dimethylpentane	≤3	565-59-3
Cyclohexene	≤2.3	110-83-8
Cyclohexane	≤3	110-82-7
n-Hexane	<1	110-54-3

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

4.1 Description of necessary first aid measures

- Eye contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.
- Inhalation** : Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Skin contact** : ☑ Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Section 4. First aid measures

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

4.2 Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.

Skin contact : Causes skin irritation.

Ingestion : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : Adverse symptoms may include the following:
pain or irritation
watering
redness

Inhalation : Adverse symptoms may include the following:
respiratory tract irritation
coughing
nausea or vomiting
headache
drowsiness/fatigue
dizziness/vertigo
unconsciousness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Skin contact : Adverse symptoms may include the following:
irritation
redness
reduced fetal weight
increase in fetal deaths
skeletal malformations

Ingestion : Adverse symptoms may include the following:
nausea or vomiting
reduced fetal weight
increase in fetal deaths
skeletal malformations

4.3 Indication of immediate medical attention and special treatment needed, if necessary

Notes to physician : Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Specific treatments : No specific treatment.

Section 4. First aid measures

- Protection of first-aiders** : No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.


See toxicological information (Section 11)

Section 5. Fire-fighting measures

5.1 Extinguishing media

- Suitable extinguishing media** : Use dry chemical, CO₂, water spray (fog) or foam.
- Unsuitable extinguishing media** : Do not use water jet.

5.2 Special hazards arising from the substance or mixture

- Specific hazards arising from the chemical** :  Highly flammable liquid and vapor. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion. Runoff to sewer may create fire or explosion hazard. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.
- Hazardous thermal decomposition products** : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

5.3 Advice for firefighters


- Special protective actions for fire-fighters** : Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool.
- Special protective equipment for fire-fighters** : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

- For non-emergency personnel** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.
- For emergency responders** : If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

6.2 Environmental precautions

-  Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

6.3 Methods and materials for containment and cleaning up

Section 6. Accidental release measures

- Methods for cleaning up** : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Section 7. Handling and storage

7.1 Precautions for safe handling

- Protective measures** : Put on appropriate personal protective equipment (see Section 8). Avoid exposure - obtain special instructions before use. Avoid exposure during pregnancy. Do not handle until all safety precautions have been read and understood. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use only non-sparking tools. Take precautionary measures against electrostatic discharges. Empty containers retain product residue and can be hazardous. Do not reuse container.
- Advice on general occupational hygiene** : Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

7.2 Conditions for safe storage, including any incompatibilities

- : Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Store locked up. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

7.3 Specific end use(s)

- Recommendations** : Industrial applications, Professional applications.
- Industrial sector specific solutions** : Not applicable.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
<p>α-Terpinene</p>	<p>ACGIH TLV (United States, 3/2016). TWA: 50 ppm 8 hours.</p> <p>NIOSH REL (United States, 10/2013). Absorbed through skin. TWA: 245 mg/m³ 10 hours. TWA: 50 ppm 10 hours.</p> <p>OSHA PEL (United States, 2/2013). Absorbed through skin. TWA: 245 mg/m³ 8 hours. TWA: 50 ppm 8 hours.</p> <p>OSHA PEL 1989 (United States, 3/1989).</p>

Section 8. Exposure controls/personal protection

trans-Bicyclo[4.4.0]decane
Ethylcyclohexane
Decane
o-xylene

Absorbed through skin.

TWA: 245 mg/m³ 8 hours.

TWA: 50 ppm 8 hours.

None.

None.

None.

ACGIH TLV (United States, 3/2016).

TWA: 100 ppm 8 hours.

TWA: 434 mg/m³ 8 hours.

STEL: 150 ppm 15 minutes.

STEL: 651 mg/m³ 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

STEL: 150 ppm 15 minutes.

STEL: 655 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 100 ppm 10 hours.

TWA: 435 mg/m³ 10 hours.

STEL: 150 ppm 15 minutes.

STEL: 655 mg/m³ 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

ACGIH TLV (United States, 3/2016).

TWA: 20 ppm 8 hours.

OSHA PEL 1989 (United States, 3/1989).

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

STEL: 125 ppm 15 minutes.

STEL: 545 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 100 ppm 10 hours.

TWA: 435 mg/m³ 10 hours.

STEL: 125 ppm 15 minutes.

STEL: 545 mg/m³ 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 100 ppm 8 hours.

TWA: 435 mg/m³ 8 hours.

ethylbenzene

None.

None.

None.

OSHA PEL 1989 (United States, 3/1989).

TWA: 300 ppm 8 hours.

TWA: 1450 mg/m³ 8 hours.

STEL: 375 ppm 15 minutes.

STEL: 1800 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 75 ppm 10 hours.

TWA: 350 mg/m³ 10 hours.

CEIL: 385 ppm 15 minutes.

CEIL: 1800 mg/m³ 15 minutes.

ACGIH TLV (United States, 3/2016).

TWA: 300 ppm 8 hours.

OSHA PEL (United States, 2/2013).

TWA: 500 ppm 8 hours.

TWA: 2350 mg/m³ 8 hours.

isopropylcyclohexane
undecane
Tetradecane
Octane

Section 8. Exposure controls/personal protection

2,2,4-trimethylpentane

dodecane

methylcyclohexane

nonane

benzene

Toluene

ACGIH TLV (United States, 3/2016).

TWA: 300 ppm 8 hours.

None.

ACGIH TLV (United States, 3/2016).TWA: 1610 mg/m³ 8 hours.

TWA: 400 ppm 8 hours.

NIOSH REL (United States, 10/2013).TWA: 1600 mg/m³ 10 hours.

TWA: 400 ppm 10 hours.

OSHA PEL (United States, 2/2013).TWA: 2000 mg/m³ 8 hours.

TWA: 500 ppm 8 hours.

OSHA PEL 1989 (United States, 3/1989).TWA: 1600 mg/m³ 8 hours.

TWA: 400 ppm 8 hours.

ACGIH TLV (United States, 3/2016).

TWA: 200 ppm 8 hours.

TWA: 1050 mg/m³ 8 hours.**OSHA PEL 1989 (United States, 3/1989).**

TWA: 200 ppm 8 hours.

TWA: 1050 mg/m³ 8 hours.**NIOSH REL (United States, 10/2013).**

TWA: 200 ppm 10 hours.

TWA: 1050 mg/m³ 10 hours.**ACGIH TLV (United States, 3/2016).****Absorbed through skin.**

TWA: 0.5 ppm 8 hours.

TWA: 1.6 mg/m³ 8 hours.

STEL: 2.5 ppm 15 minutes.

STEL: 8 mg/m³ 15 minutes.**OSHA PEL 1989 (United States, 3/1989).**

TWA: 1 ppm 8 hours.

STEL: 5 ppm 15 minutes.

OSHA PEL Z2 (United States, 2/2013).

TWA: 10 ppm 8 hours.

CEIL: 25 ppm

AMP: 50 ppm 10 minutes.

NIOSH REL (United States, 10/2013).

TWA: 0.1 ppm 10 hours.

STEL: 1 ppm 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 1 ppm 8 hours.

STEL: 5 ppm 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

TWA: 100 ppm 8 hours.

TWA: 375 mg/m³ 8 hours.

STEL: 150 ppm 15 minutes.

STEL: 560 mg/m³ 15 minutes.**OSHA PEL Z2 (United States, 2/2013).**

TWA: 200 ppm 8 hours.

CEIL: 300 ppm

AMP: 500 ppm 10 minutes.

NIOSH REL (United States, 10/2013).

TWA: 100 ppm 10 hours.

TWA: 375 mg/m³ 10 hours.

STEL: 150 ppm 15 minutes.

STEL: 560 mg/m³ 15 minutes.

Section 8. Exposure controls/personal protection

4-methylcyclohexene
Heptane

ACGIH TLV (United States, 3/2016).

TWA: 20 ppm 8 hours.

None.

ACGIH TLV (United States, 3/2016).

TWA: 400 ppm 8 hours.

TWA: 1640 mg/m³ 8 hours.

STEL: 500 ppm 15 minutes.

STEL: 2050 mg/m³ 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

TWA: 400 ppm 8 hours.

TWA: 1600 mg/m³ 8 hours.

STEL: 500 ppm 15 minutes.

STEL: 2000 mg/m³ 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 85 ppm 10 hours.

TWA: 350 mg/m³ 10 hours.

CEIL: 440 ppm 15 minutes.

CEIL: 1800 mg/m³ 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 500 ppm 8 hours.

TWA: 2000 mg/m³ 8 hours.

2,3-Dimethylpentane

ACGIH TLV (United States, 3/2016).

TWA: 400 ppm 8 hours.

TWA: 1640 mg/m³ 8 hours.

STEL: 500 ppm 15 minutes.

STEL: 2050 mg/m³ 15 minutes.

Cyclohexene

ACGIH TLV (United States, 3/2016).

TWA: 300 ppm 8 hours.

TWA: 1010 mg/m³ 8 hours.

OSHA PEL 1989 (United States, 3/1989).

TWA: 300 ppm 8 hours.

TWA: 1015 mg/m³ 8 hours.

NIOSH REL (United States, 10/2013).

TWA: 300 ppm 10 hours.

TWA: 1015 mg/m³ 10 hours.

OSHA PEL (United States, 2/2013).

TWA: 300 ppm 8 hours.

TWA: 1015 mg/m³ 8 hours.

Cyclohexane

ACGIH TLV (United States, 3/2016).

TWA: 100 ppm 8 hours.

OSHA PEL 1989 (United States, 3/1989).

TWA: 300 ppm 8 hours.

TWA: 1050 mg/m³ 8 hours.

NIOSH REL (United States, 10/2013).

TWA: 300 ppm 10 hours.

TWA: 1050 mg/m³ 10 hours.

OSHA PEL (United States, 2/2013).

TWA: 300 ppm 8 hours.

TWA: 1050 mg/m³ 8 hours.

n-Hexane

ACGIH TLV (United States, 3/2016).

Absorbed through skin.

TWA: 50 ppm 8 hours.

OSHA PEL 1989 (United States, 3/1989).

TWA: 50 ppm 8 hours.

TWA: 180 mg/m³ 8 hours.

NIOSH REL (United States, 10/2013).

TWA: 50 ppm 10 hours.

Section 8. Exposure controls/personal protection

TWA: 180 mg/m³ 10 hours.
OSHA PEL (United States, 2/2013).
 TWA: 500 ppm 8 hours.
 TWA: 1800 mg/m³ 8 hours.

8.2 Exposure controls

Appropriate engineering controls

: Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Environmental exposure controls

: Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Individual protection measures

Hygiene measures

: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Eye/face protection

: Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin protection

Hand protection

: Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Body protection

: Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product. When there is a risk of ignition from static electricity, wear anti-static protective clothing. For the greatest protection from static discharges, clothing should include anti-static overalls, boots and gloves.

Other skin protection

: Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory protection

: Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use. Recommended: Ensure an MSHA/NIOSH-approved respirator or equivalent is used.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state	: Liquid. [Clear.]
Color	: Colorless.
Odor	: Gasoline-like
Odor threshold	: Not available.
pH	: Not available.
Melting point	: Not available.
Boiling point	: Not available.
Flash point	: Closed cup: -18 to 23°C (-0.4 to 73.4°F)
Evaporation rate	: Not available.
Flammability (solid, gas)	: Not applicable.
Lower and upper explosive (flammable) limits	: Not available.
Vapor pressure	: Not available.
Vapor density	: Not available.
Relative density	: 0.8 [Water = 1]
Density	: 0.8 g/cm ³
Solubility	: Insoluble in the following materials: cold water and hot water.
Partition coefficient: n-octanol/water	: Not available.
Auto-ignition temperature	: Not available.
Decomposition temperature	: Not available.
Viscosity	: Not available.

Section 10. Stability and reactivity

10.1 Reactivity	: No specific test data related to reactivity available for this product or its ingredients.
10.2 Chemical stability	: The product is stable.
10.3 Possibility of hazardous reactions	: Under normal conditions of storage and use, hazardous reactions will not occur.
10.4 Conditions to avoid	: Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat or sources of ignition.
10.5 Incompatible materials	: Reactive or incompatible with the following materials: oxidizing materials
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

Product/ingredient name	Result	Species	Dose	Exposure
Cumene	LC50 Inhalation Dusts and mists	Rat	39000 mg/m ³	4 hours
	LD50 Oral	Rat	1400 mg/kg	-
Decane	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
o-xylene	LC50 Inhalation Vapor	Rat	5300 ppm	4 hours
	LD50 Oral	Rat	3000 mg/kg	-
ethylbenzene	LC50 Inhalation Vapor	Rat	17200 mg/m ³	4 hours
	LD50 Dermal	Rabbit	>5000 mg/kg	-
isopropylcyclohexane	LD50 Oral	Rat	3500 mg/kg	-
	LC50 Inhalation Dusts and mists	Rat - Male, Female	>5.04 mg/l	4 hours
undecane	LD50 Oral	Rat - Male, Female	>10000 mg/kg	-
	LC50 Inhalation Vapor	Rat - Male, Female	>9300 mg/m ³	4 hours
Tetradecane	LD50 Oral	Rat - Male, Female	>15000 mg/kg	-
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
Octane	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
	LC50 Inhalation Vapor	Rat	118 g/m ³	4 hours
2,2,4-trimethylpentane	LC50 Inhalation Vapor	Rat	25260 ppm	4 hours
	LC50 Inhalation Vapor	Rat - Male, Female	>33.52 mg/l	4 hours
dodecane	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
	LD50 Dermal	Rabbit - Male, Female	>5000 mg/kg	-
nonane	LD50 Oral	Rat - Male, Female	>5000 mg/kg	-
	LC50 Inhalation Vapor	Rat	3200 ppm	4 hours
benzene	LD50 Oral	Rat	930 mg/kg	-
Toluene	LC50 Inhalation Vapor	Rat	49 g/m ³	4 hours
	LD50 Oral	Rat	636 mg/kg	-
Heptane	LC50 Inhalation Vapor	Rat	103 g/m ³	4 hours
	LC50 Inhalation Vapor	Rat	48000 ppm	4 hours
Cyclohexene	LD50 Oral	Rat	1300 mg/kg	-
Cyclohexane	LD50 Oral	Rat	6240 mg/kg	-
n-Hexane	LC50 Inhalation Vapor	Rat	48000 ppm	4 hours
	LD50 Oral	Rat	15840 mg/kg	-

Irritation/Corrosion

Section 11. Toxicological information

Product/ingredient name	Result	Species	Score	Exposure	Observation
Cumene	Eyes - Mild irritant	Rabbit	-	24 hours 500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	86 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 10 milligrams	-
ethylbenzene	Skin - Moderate irritant	Rabbit	-	24 hours 100 milligrams	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
Tetradecane	Skin - Mild irritant	Rabbit	-	-	-
dodecane	Eyes - Mild irritant	Rabbit	-	-	-
	Skin - Moderate irritant	Rat	-	96 hours 300 microliters	-
methylcyclohexane	Skin - Moderate irritant	Rabbit	-	24 hours 0.05 Milliliters	-
	Eyes - Mild irritant	Rabbit	-	24 hours 100 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 500 microliters	-
nonane	Skin - Moderate irritant	Rat	-	96 hours 300 microliters	-
benzene	Eyes - Moderate irritant	Rabbit	-	88 milligrams	-
	Skin - Mild irritant	Rat	-	8 hours 60 microliters	-
	Skin - Mild irritant	Rabbit	-	24 hours 15 milligrams	-
Toluene	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Eyes - Mild irritant	Rabbit	-	0.5 minutes 100 milligrams	-
	Eyes - Mild irritant	Rabbit	-	870 Micrograms	-
	Skin - Mild irritant	Rabbit	-	435 milligrams	-
n-Hexane	Skin - Moderate irritant	Rabbit	-	24 hours 20 milligrams	-
	Skin - Moderate irritant	Rabbit	-	500 milligrams	-
	Eyes - Mild irritant	Rabbit	-	10 milligrams	-

Conclusion/Summary

Skin

: Repeated exposure may cause skin dryness or cracking.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Classification

Section 11. Toxicological information

Product/ingredient name	OSHA	IARC	NTP
Cumene	-	2B	Reasonably anticipated to be a human carcinogen.
o-xylene	-	3	-
ethylbenzene	-	2B	-
benzene	+	1	Known to be a human carcinogen.
Toluene	-	3	-

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Name	Category	Route of exposure	Target organs
Cumene	Category 3	Not applicable.	Respiratory tract irritation
trans-Bicyclo[4.4.0]decane	Category 3	Not applicable.	Respiratory tract irritation
o-xylene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
ethylbenzene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Octane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
2,2,4-trimethylpentane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
methylcyclohexane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
nonane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
benzene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Toluene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
4-methylcyclohexene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Heptane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
2,3-Dimethylpentane	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Cyclohexene	Category 3	Not applicable.	Respiratory tract irritation and Narcotic effects
Cyclohexane	Category 3	Not applicable.	Respiratory tract irritation and

Section 11. Toxicological information

n-Hexane	Category 3	Not applicable.	Narcotic effects Respiratory tract irritation and Narcotic effects
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Specific target organ toxicity (repeated exposure)

Name	Category	Route of exposure	Target organs
benzene	Category 1	Skin Inhalation	blood system blood system
Toluene	Category 2	Oral	central nervous system (CNS) and kidneys
n-Hexane	Category 2	Inhalation	peripheral nervous system

Aspiration hazard

Name	Result
Testmix, Part Number CP299107	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1
Ethylcyclohexane	ASPIRATION HAZARD - Category 1
Decane	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
isopropylcyclohexane	ASPIRATION HAZARD - Category 1
undecane	ASPIRATION HAZARD - Category 1
Tetradecane	ASPIRATION HAZARD - Category 1
Octane	ASPIRATION HAZARD - Category 1
2,2,4-trimethylpentane	ASPIRATION HAZARD - Category 1
dodecane	ASPIRATION HAZARD - Category 1
methylcyclohexane	ASPIRATION HAZARD - Category 1
nonane	ASPIRATION HAZARD - Category 1
benzene	ASPIRATION HAZARD - Category 1
Toluene	ASPIRATION HAZARD - Category 1
4-methylcyclohexene	ASPIRATION HAZARD - Category 1
Heptane	ASPIRATION HAZARD - Category 1
2,3-Dimethylpentane	ASPIRATION HAZARD - Category 1
Cyclohexene	ASPIRATION HAZARD - Category 1
Cyclohexane	ASPIRATION HAZARD - Category 1
n-Hexane	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure : Routes of entry anticipated: Oral, Dermal, Inhalation.

Potential acute health effects

- Eye contact** : Causes serious eye irritation.
- Inhalation** : Can cause central nervous system (CNS) depression. May cause drowsiness or dizziness. May cause respiratory irritation.
- Skin contact** : Causes skin irritation.
- Ingestion** : Can cause central nervous system (CNS) depression. May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

- Eye contact** : Adverse symptoms may include the following:
pain or irritation
watering
redness

Section 11. Toxicological information

- Inhalation** : Adverse symptoms may include the following:
 respiratory tract irritation
 coughing
 nausea or vomiting
 headache
 drowsiness/fatigue
 dizziness/vertigo
 unconsciousness
 reduced fetal weight
 increase in fetal deaths
 skeletal malformations
- Skin contact** : Adverse symptoms may include the following:
 irritation
 redness
 reduced fetal weight
 increase in fetal deaths
 skeletal malformations
- Ingestion** : Adverse symptoms may include the following:
 nausea or vomiting
 reduced fetal weight
 increase in fetal deaths
 skeletal malformations

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Long term exposure

- Potential immediate effects** : Not available.
- Potential delayed effects** : Not available.

Potential chronic health effects

- General** : Causes damage to organs through prolonged or repeated exposure.
- Carcinogenicity** : May cause cancer. Risk of cancer depends on duration and level of exposure.
- Mutagenicity** : May cause genetic defects.
- Teratogenicity** : Suspected of damaging the unborn child.
- Developmental effects** : No known significant effects or critical hazards.
- Fertility effects** : Suspected of damaging fertility.

Numerical measures of toxicity

Acute toxicity estimates

Route	ATE value
<input checked="" type="checkbox"/> Oral	3897.3 mg/kg
Dermal	13544.7 mg/kg
Inhalation (vapors)	53.75 mg/l

Section 12. Ecological information

12.1 Toxicity

Product/ingredient name	Result	Species	Exposure
Cumene	Acute EC50 2600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 7500 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 10600 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
Ethylcyclohexane	Acute LC50 2700 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 8800 µg/l Marine water	Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
Decane	Acute EC50 89 mg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute LC50 18000 to 24000 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 >500 ppm Marine water	Fish - Cyprinodon variegatus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
o-xylene	Acute EC50 4700 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 12700 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 1390 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
ethylbenzene	Acute LC50 7600 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 3600 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	96 hours
	Acute EC50 6530 µg/l Fresh water	Crustaceans - Artemia sp. - Nauplii	48 hours
	Acute EC50 2970 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
methylcyclohexane	Acute LC50 4200 µg/l Fresh water	Fish - Oncorhynchus mykiss	96 hours
	Acute LC50 5800 µg/l Marine water	Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
benzene	Acute EC50 29000 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 1600000 µg/l Fresh water	Algae - Selenastrum sp.	96 hours
	Acute EC50 9230 µg/l Fresh water	Daphnia - Daphnia magna - Neonate	48 hours
	Acute LC50 21 mg/l Marine water	Crustaceans - Artemia salina	48 hours
	Acute LC50 5.28 ul/L Fresh water	Fish - Oncorhynchus gorbuscha - Fry	96 hours
Toluene	Chronic NOEC 98 mg/l Fresh water	Daphnia - Daphnia magna	21 days
	Chronic NOEC 1.5 to 5.4 ul/L Marine water	Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)	4 weeks
	Acute EC50 12500 µg/l Fresh water	Algae - Pseudokirchneriella subcapitata	72 hours
	Acute EC50 11600 µg/l Fresh water	Crustaceans - Gammarus pseudolimnaeus - Adult	48 hours
	Acute EC50 6000 µg/l Fresh water	Daphnia - Daphnia magna - Juvenile (Fledgling, Hatchling, Weanling)	48 hours
Heptane	Acute LC50 5500 µg/l Fresh water	Fish - Oncorhynchus kisutch - Fry	96 hours
	Chronic NOEC 0.74 mg/l	Daphnia - Ceriodaphnia dubia	7 days
	Acute LC50 375000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours

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Cyclohexene	Acute EC50 5300 µg/l Fresh water	Daphnia - Daphnia magna	48 hours
Cyclohexane	Acute EC50 4500 µg/l Fresh water	Fish - Poecilia reticulata	96 hours
n-Hexane	Acute LC50 8300 µg/l Marine water	Fish - Morone saxatilis - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
	Acute LC50 113000 µg/l Fresh water	Fish - Oreochromis mossambicus	96 hours

12.2 Persistence and degradability

Product/ingredient name	Test	Result	Dose	Inoculum
Tetradecane	OECD 301F Ready Biodegradability - Manometric Respirometry Test	80 % - Readily - 28 days	-	22 mg/l Activated sludge

Product/ingredient name	Aquatic half-life	Photolysis	Biodegradability
p-xylene	-	-	Inherent
ethylbenzene	-	-	Readily
Tetradecane	-	-	Readily
Toluene	-	-	Readily

12.3 Bioaccumulative potential

Product/ingredient name	LogP _{ow}	BCF	Potential
Cumene	3.55	35.48	low
trans-Bicyclo[4.4.0]decane	-	1905.46	high
Ethylcyclohexane	4.56	-	high
Decane	5.86	-	high
o-xylene	3.12	8.1 to 25.9	low
ethylbenzene	3.6	-	low
undecane	6.42	-	high
Tetradecane	8.11	-	high
Octane	5.18	198.7	low
2,2,4-trimethylpentane	4.08	231	low
dodecane	6.98	239.88	low
methylcyclohexane	3.61	186.21	low
nonane	5.65	105	low
benzene	2.13	11	low
Toluene	2.73	90	low
Heptane	4.66	552	high
Cyclohexene	2.99	23 to 45	low
Cyclohexane	3.44	167	low
n-Hexane	4	501.187	high

12.4 Mobility in soil

Soil/water partition coefficient (K_{oc}) : Not available.

12.5 Other adverse effects : No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

Disposal methods : The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Vapor from product residues may create a highly flammable or explosive atmosphere inside the container. Do not cut, weld or grind used containers unless they have been cleaned thoroughly internally. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

United States - RCRA Toxic hazardous waste "U" List

Ingredient	CAS #	Status	Reference number
<input checked="" type="checkbox"/> Cumene (I); Benzene, (1-methylethyl)- (I)	98-82-8	Listed	U055
<input checked="" type="checkbox"/> Xylene	95-47-6	Listed	U239
<input checked="" type="checkbox"/> Toluene; Benzene, methyl-	108-88-3	Listed	U220
<input checked="" type="checkbox"/> Benzene (I,T)	71-43-2	Listed	U019
<input checked="" type="checkbox"/> Cyclohexane (I); Benzene, hexahydro- (I)	110-82-7	Listed	U056

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

Section 14. Transport information

Regulatory information

Additional information : **Remarks**
De minimis quantities

DOT / IMDG / IATA : Not regulated.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

U.S. Federal regulations :

- TSCA 4(a) final test rules:** nonane
- TSCA 8(a) PAIR:** Cyclohexene; nonane; Heptane; methylcyclohexane
- TSCA 12(b) one-time export:** nonane
- United States inventory (TSCA 8b):** Not determined.
- Clean Water Act (CWA) 307:** ethylbenzene; Toluene; benzene
- Clean Water Act (CWA) 311:** o-xylene; ethylbenzene; Toluene; benzene; Cyclohexane

Section 15. Regulatory information

Clean Air Act Section 112 : Listed

(b) Hazardous Air Pollutants (HAPs)

Clean Air Act Section 602 Class I Substances : Not listed

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : Fire hazard
 Immediate (acute) health hazard
 Delayed (chronic) health hazard

Composition/information on ingredients

Name	%	Fire hazard	Sudden release of pressure	Reactive	Immediate (acute) health hazard	Delayed (chronic) health hazard
α-mumene	≤10	Yes.	No.	No.	Yes.	Yes.
trans-Bicyclo[4.4.0]decane	≤10	Yes.	No.	No.	Yes.	No.
Ethylcyclohexane	≤10	Yes.	No.	No.	No.	No.
Decane	≤10	Yes.	No.	No.	Yes.	No.
o-xylene	≤10	Yes.	No.	No.	Yes.	No.
ethylbenzene	≤9.9	Yes.	No.	No.	Yes.	Yes.
isopropylcyclohexane	≤5	Yes.	No.	No.	No.	No.
undecane	≤5	Yes.	No.	No.	Yes.	No.
Tetradecane	≤5	No.	No.	No.	Yes.	No.
Octane	≤5	Yes.	No.	No.	Yes.	No.
2,2,4-trimethylpentane	≤5	Yes.	No.	No.	Yes.	No.
dodecane	≤5	Yes.	No.	No.	Yes.	No.
methylcyclohexane	≤5	Yes.	No.	No.	Yes.	No.
nonane	≤3	Yes.	No.	No.	Yes.	No.
benzene	≤3	Yes.	No.	No.	Yes.	Yes.
Toluene	≤3	Yes.	No.	No.	Yes.	Yes.
4-methylcyclohexene	≤3	Yes.	No.	No.	Yes.	No.
Heptane	≤3	Yes.	No.	No.	Yes.	No.
2,3-Dimethylpentane	≤3	Yes.	No.	No.	Yes.	No.
Cyclohexene	≤2.3	Yes.	No.	No.	Yes.	No.
Cyclohexane	≤3	Yes.	No.	No.	Yes.	No.
n-Hexane	<1	Yes.	No.	No.	Yes.	Yes.

SARA 313

Section 15. Regulatory information

	Product name	CAS number	%
Form R - Reporting requirements	☑ Cumene	98-82-8	≤10
	o-xylene	95-47-6	≤10
	ethylbenzene	100-41-4	≤9.9
	benzene	71-43-2	≤3
	Toluene	108-88-3	≤3
	Cyclohexane	110-82-7	≤3
Supplier notification	☑ Cumene	98-82-8	≤10
	o-xylene	95-47-6	≤10
	ethylbenzene	100-41-4	≤9.9
	benzene	71-43-2	≤3
	Toluene	108-88-3	≤3
	Cyclohexane	110-82-7	≤3

SARA 313 notifications must not be detached from the SDS and any copying and redistribution of the SDS shall include copying and redistribution of the notice attached to copies of the SDS subsequently redistributed.

State regulations

Massachusetts

- ☑ The following components are listed: ETHYL CYCLOHEXANE; 4-METHYLCYCLOHEXENE; CYCLOHEXENE; BUTYLBENZENE; N-BUTYLBENZENE; CUMENE; 1-METHYLETHYLBENZENE; O-XYLENE; O-DIMETHYLBENZENE; ETHYL BENZENE; ETHYLBENZENE; TOLUENE; METHYLBENZENE; BENZENE; DECAHYDRONAPHTHALENE; NONANE; OCTANE; ISOCTANE; HEPTANE; N-HEPTANE; 2,3-DIMETHYLPENTANE; METHYLCYCLOHEXANE; CYCLOHEXANE; HEXAHYDROBENZENE

New York

- ☑ The following components are listed: Cumene; Benzene, 1-methylethyl-; o-Xylene; Ethylbenzene; Toluene; Benzene; 2,2,4-Trimethylpentane; Cyclohexane; Benzene, hexahydro-

New Jersey

- ☑ The following components are listed: ETHYLCYCLOHEXANE; CYCLOHEXANE, ETHYL-; CYCLOHEXENE; 1,2,3,4-TETRAHYDROBENZENE; BUTYL BENZENE; BENZENE, BUTYL-; CUMENE; BENZENE, (1-METHYLETHYL-); o-XYLENE; BENZENE, 1,2-DIMETHYL-; ETHYL BENZENE; BENZENE, ETHYL-; TOLUENE; BENZENE, METHYL-; BENZENE; UNDECANE; HENDECANE; DECANE; NONANE; OCTANE; ISOCTANE; 2,2,4-TRIMETHYLPENTANE; n-HEPTANE; HEPTANE; 2,3-DIMETHYLPENTANE; PENTANE, 2,3-DIMETHYL-; METHYLCYCLOHEXANE; CYCLOHEXANE, METHYL-; CYCLOHEXANE

Pennsylvania

- ☑ The following components are listed: CYCLOHEXANE, ETHYL-; CYCLOHEXENE, 4-METHYL-; CYCLOHEXENE; BENZENE, BUTYL-; BENZENE, (1-METHYLETHYL-); BENZENE, 1,2-DIMETHYL-; BENZENE, ETHYL-; BENZENE, METHYL-; BENZENE; BENZOL DILUENT; DECANE; NONANE; OCTANE; PENTANE, 2,2,4-TRIMETHYL-; HEPTANE; PENTANE, 2,3-DIMETHYL-; CYCLOHEXANE, METHYL-; CYCLOHEXANE

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level
☑ Cumene	Yes.	No.	No.	No.
ethylbenzene	Yes.	No.	41 µg/day (ingestion) 54 µg/day (inhalation)	No.
benzene	Yes.	Yes.	6.4 µg/day (ingestion) 13 µg/day (inhalation)	24 µg/day (ingestion) 49 µg/day (inhalation)
Toluene	No.	Yes.	No.	7000 µg/day

Section 15. Regulatory information

(ingestion)

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol (Annexes A, B, C, E)

Not listed.

Stockholm Convention on Persistent Organic Pollutants

Not listed.

Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

UNECE Aarhus Protocol on POPs and Heavy Metals

Not listed.

Inventory list

Australia	: <input checked="" type="checkbox"/> Not determined.
Canada inventory	: <input checked="" type="checkbox"/> Not determined.
China	: <input checked="" type="checkbox"/> Not determined.
Europe	: All components are listed or exempted.
Japan	: <input checked="" type="checkbox"/> Japan inventory (ENCS): Not determined. Japan inventory (ISHL): Not determined.
Malaysia	: <input checked="" type="checkbox"/> Not determined.
New Zealand	: <input checked="" type="checkbox"/> Not determined.
Philippines	: <input checked="" type="checkbox"/> Not determined.
Republic of Korea	: <input checked="" type="checkbox"/> Not determined.
Taiwan	: <input checked="" type="checkbox"/> All components are listed or exempted.
Turkey	: <input checked="" type="checkbox"/> Not determined.

Section 16. Other information

History

Date of issue : 09/29/2016

Date of previous issue : 09/16/2014.

Version : 4

Indicates information that has changed from previously issued version.

Notice to reader

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