SAFETY DATA SHEET

BG Supercharge II

Section 1. Identification

GHS product identifier : BG Supercharge II

Product code : 202

Other means of identification : P202-XXXX, 202B, 20253, 2021, 2025, 2026, 2026CC, 202T, 2026E4, 2026E6, 2026S

Product type : Liquid.

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

Identified uses
Fuel additive.

Supplier's details : BG Products Inc.
740 S. Wichita Street
Wichita, KS, 67213, USA
www.bgprod.com
316-266-8120
msds@bgprod.com

Emergency telephone number (with hours of operation) : (800) 424-9300 (CHEMTREC: CCN656479)
24-hour telephone and/or website

Section 2. Hazards identification

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

Classification of the substance or mixture : FLAMMABLE LIQUIDS - Category 3
SKIN SENSITIZATION - Category 1
GERM CELL MUTAGENICITY - Category 1B
CARCINOGENICITY - Category 1A
TOXIC TO REPRODUCTION - Category 2
ASPIRATION HAZARD - Category 1

GHS label elements

Hazard pictograms :

Signal word : Danger

Hazard statements : Flammable liquid and vapor.
May be fatal if swallowed and enters airways.
May cause an allergic skin reaction.
May cause genetic defects.
May cause cancer.
Suspected of damaging fertility or the unborn child.

Precautionary statements

Prevention : Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves, protective clothing and eye or face protection. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Avoid breathing vapor. Contaminated work clothing must not be allowed out of the workplace.

Section 2. Hazards identification

Response : IF exposed or concerned: Get medical advice or attention. IF SWALLOWED: Immediately call a POISON CENTER or doctor. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. If skin irritation or rash occurs: Get medical advice or attention.

Storage : Store locked up.

Disposal : Dispose of contents and container in accordance with all local, regional, national and international regulations.

Hazards not otherwise classified : None known.

Hazards identified when used : No known significant effects or critical hazards.

Section 3. Composition/information on ingredients

Substance/mixture : Mixture

Other means of identification : P202-XXXX, 202B, 20253, 2021, 2025, 2026, 2026CC, 202T, 2026E4, 2026E6, 2026S

Ingredient name	Synonyms	%	Identifiers
Naphtha (petroleum), hydrotreated heavy	Low boiling point hydrogen treated naphtha; Hydrotreated heavy naphtha (petroleum); Hydrotreated light steam cracked naphtha residuum (petroleum); Naphtha, petroleum, hydrotreated heavy; Hydrotreated light, steam cracked naphtha residuum, petroleum; Hydrotreated heavy naphtha; Naphtha, (petroleum), heavy, hydrotreated; NAPHTHA	≥65 - ≤85	CAS: 64742-48-9
Solvent naphtha (petroleum), heavy arom.	Kerosine - unspecified; Solvent naphtha, petroleum, heavy aromatic; (Polyethyl)benzenes; Solvent naphtha, petroleum, heavy arom. - ultra low naphthalene; Heavy aromatic solvent naphtha; Solvent naphtha; Solvent naphtha (petroleum), heavy aromatic; Heavy solvent naphtha; Solvent naphtha (petroleum), heavy arom; AROMATIC PETROLEUM DISTILLATE	≥5 - ≤10	CAS: 64742-94-5
Oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. Residu	Oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol(tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs. ; Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs. ; Oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distillation residues from manufacture of phenol (tetrapropenyl) derivatives and	≥3 - ≤7	CAS: 220795-29-9

Section 3. Composition/information on ingredients

	phenol (tetrapropenyl) derivatives		
2,6-di-tert-butylphenol	Phenol, 2,6-bis(1,1-dimethylethyl) -; 2,6-Di-t-butylphenol; Phenol, 2,6-di-tert-butyl-; 2,6-Bis (1,1-dimethylethyl)phenol; 2,6-DTBP; 2,6-Ditertbutyl phenol; Dialkyl(C3-9) phenol; Dialkyl (C1-5) phenol; TK 12891; AN 701; Isonox 103	≥1 - ≤5	CAS: 128-39-2
Distillates (petroleum), hydrotreated light	Distillates (petroleum), hydro-treated light; Kerosine - unspecified; Distillates, petroleum, hydrotreated light; Hydrotreated light distillate; Jet fuels; lamp oil; Kerosene (petroleum), hydrotreated; Hydrotreated light distillates (petroleum); DISTILLATES; Deodorized kerosene; Dearomatized kerosine	≥1 - ≤5	CAS: 64742-47-8
xylene	Benzene, dimethyl-; Xylol; Benzene, dimethyl-, mixed isomers; xylene, mixed isomers, pure; xylene, crude; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); Benzene, dimethyl-,; Xylene (mixed); xylene (total); Xylenes; Dimethylbenzene	≥0.1 - ≤1	CAS: 1330-20-7
naphthalene	White tar; Tar camphor; Naphthalin; naphthalene, pure; naphthalene, crude; MOTH FLAKES	≥0.1 - ≤1	CAS: 91-20-3
toluene	Benzene, methyl-; Methylbenzene; Toluol; Phenyl methane; Methyl benzol; toluene, pure; toluene, crude	≥0.1 - ≤1	CAS: 108-88-3
n-hexane	hexane; normal-Hexane; Hexyl hydride; hydrocarbons, C6, n-alkanes, iso-alkanes, cycloalkanes, with n-hexane containing at least 60% and less than 95% n-hexane; mixture of C6 aliphatic hydrocarbons (CAS RN 92112-69-1), containing by weight 60 % or more but not more than 80 % of n-hexane (CAS RN 110-54-3); Normal hexane; hexane, n-; hexane, (n)	≥0.1 - ≤1	CAS: 110-54-3
Naphtha (petroleum), hydrotreated light	Low boiling point hydrogen treated naphtha; Naphtha,	≥0.1 - ≤1	CAS: 64742-49-0

Section 3. Composition/information on ingredients

	petroleum, hydrotreated light; Hydrotreated light, straight run, petroleum; naphtha (petroleum), hydrotreated light, as light oils; low boiling point hydrogen treated naphtha, as light oils; Hydrotreated light straight run (petroleum); Naphtha (petroleum), hydrotreated light, Low boiling point hydrogen treated naphtha		
2,5-bis(octyldithio)-1,3,4-thiadiazole	1,3,4-Thiadiazole, 2,5-bis (octyldithio)-; 2, 5-Bis (n-octyldithio)-1,3,4-thiadiazole; 2,5-(N-OCTYLDITHIO) -1,3,4-THIODIAZOLE; THIADIAZOLE (1,3,4), 2,5-BIS (OCTYLDITHIO)	≥0.1 - ≤1	CAS: 13539-13-4
Solvent naphtha (petroleum), light arom.	Low boiling point naphtha - unspecified; Solvent naphtha (petroleum), light arom; Solvent naphtha, petroleum, light aromatic; Aromatic hydrocarbon solvents - medium flashpoint; Light aromatic solvent naphtha; Solvent naphtha, light aromatic; Solvent naphtha (petroleum), light aromatic; Light aromatic solvent naphtha (petroleum) (C8 to C10); Solvent naphtha, petroleum, light arom.; AROMATIC PETROLUEM DISTILLATE; SOLVENT, AROMATIC PETROLEUM	≥0.1 - ≤1	CAS: 64742-95-6
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Ethanamine, 2-(4-polyisobutylenephenoxy) derivs	≥0.1 - ≤1	CAS: 1019768-09-2
ethylbenzene	Benzene, ethyl-; Phenylethane; Ethylbenzol; photosensitive emulsion consisting of cyclized polyisoprene containing: — 55 % or more but not more than 75 % by weight of xylene (CAS RN 1330-20-7) and — 12 % or more but not more than 18 % by weight of ethylbenzene (CAS RN 100-41-4); EB; Mono-(or di-) methyl (ethyl,bromoallyl, bromopropyloxycarbonyl orchloropropyloxycarbonyl) benzene	≥0.1 - ≤1	CAS: 100-41-4
dioctyl disulphide	Disulfide, dioctyl; Dioctyl disulfide; bis(n-Octyl) disulfide; Dioctyldisulphane; Mixture of dialkyl (or alkenyl,C6-24)-polysulfide (mono-octasulfide)	≥0.1 - ≤1	CAS: 822-27-5
cumene	Benzene, (1-methylethyl)-; Isopropylbenzene; 2-Phenyl propane; Cumol; 1-methylethylbenzene; Cumene	≥0.1 - ≤1	CAS: 98-82-8

Section 3. Composition/information on ingredients

	(l); Benzene, (1-methylethyl)- (l); Benzene, 1-methylethyl-; isopropylbenzol; (1-methyl/ethyl) benzene; (1-Methylethyl)benzene		
benzene	Phenyl hydride; Benzol; benzene, pure; benzene, crude; benzol, pure; benzole, pure; cyclohexatriene, pure; 1,3,5-cyclohexatriene, pure; phene, pure; phenyl hydride, pure; pyrobenzol, pure; pyrobenzole, pure; [6]annulene, pure; coal naphtha, pure; benzol, crude; benzole, crude; cyclohexatriene, crude; 1,3,5-cyclohexatriene, crude; phene, crude; phenyl hydride, crude; pyrobenzol, crude; pyrobenzole, crude; [6]annulene, crude; coal naphtha, crude; BENZOL DILUENT; Cyclohexatriene; Benzene (I,T); BENZENE, UNREFINED; COAL NAPHTHA	≥0.1 - ≤1	CAS: 71-43-2

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 and hence require reporting in this section.

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

Section 4. First aid measures

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 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 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 : Wash with plenty of soap and 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. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.

Ingestion : Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. 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.

Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Section 4. First aid measures

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : May be fatal if swallowed and enters airways.

Over-exposure signs/symptoms

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
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

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.

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

Extinguishing media

Suitable extinguishing media : Use dry chemical, CO_2, water spray (fog) or foam.

Unsuitable extinguishing media : Do not use water jet.

Specific hazards arising from the chemical : Flammable liquid and vapor. Runoff to sewer may create fire or explosion hazard. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Hazardous thermal decomposition products : Decomposition products may include the following materials:
carbon dioxide
carbon monoxide

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

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".

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).

Methods and materials for containment and cleaning up

Small spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill : Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations.

Section 7. Handling and storage

Precautions for safe handling

Protective measures : Put on appropriate personal protective equipment (see Section 8). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. 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 swallow. Avoid breathing vapor or mist. 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.

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. See Section 10 for incompatible materials before handling or use.

Section 8. Exposure controls/personal protection

Control parameters

Occupational exposure limits

Ingredient name	Exposure limits
Naphtha (petroleum), hydrotreated heavy	None.
Solvent naphtha (petroleum), heavy arom.	None.
Oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. Residu	None.
2,6-di-tert-butylphenol	None.
Distillates (petroleum), hydrotreated light	**ACGIH TLV (United States, 1/2025) [Kerosene]** A3. Absorbed through skin. TWA 8 hours: 200 mg/m³ (as total hydrocarbon vapor).
xylene	**CAL OSHA PEL (United States, 1/2025) [xylene]** STEL 15 minutes: 655 mg/m³. STEL 15 minutes: 150 ppm. C: 300 ppm. TWA 8 hours: 435 mg/m³. TWA 8 hours: 100 ppm. **OSHA PEL (United States, 5/2018) [Xylenes]** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. **OSHA PEL 1989 (United States, 3/1989) [Xylenes (o-, m-, p-isomers)]** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 655 mg/m³. **ACGIH TLV (United States, 1/2025) [p-xylene and mixtures containing p-xylene]** A4. Ototoxicant. TWA 8 hours: 20 ppm.
naphthalene	**NIOSH REL (United States, 10/2020)** TWA 10 hours: 10 ppm. TWA 10 hours: 50 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 75 mg/m³. **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. TWA 8 hours: 0.5 mg/m³. TWA 8 hours: 0.1 ppm. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 10 ppm. TWA 8 hours: 50 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 10 ppm. TWA 8 hours: 50 mg/m³. STEL 15 minutes: 15 ppm. STEL 15 minutes: 75 mg/m³. **ACGIH TLV (United States, 1/2025)** A3. Absorbed through skin. TWA 8 hours: 10 ppm. TWA 8 hours: 52 mg/m³.
toluene	**NIOSH REL (United States, 10/2020)** TWA 10 hours: 100 ppm. TWA 10 hours: 375 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 560 mg/m³. **OSHA PEL Z2 (United States, 2/2013)** TWA 8 hours: 200 ppm.

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	CEIL: 300 ppm. AMP 10 minutes: 500 ppm. **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. STEL 15 minutes: 560 mg/m³. STEL 15 minutes: 150 ppm. C: 500 ppm. TWA 8 hours: 37 mg/m³. TWA 8 hours: 10 ppm. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 100 ppm. TWA 8 hours: 375 mg/m³. STEL 15 minutes: 150 ppm. STEL 15 minutes: 560 mg/m³. **ACGIH TLV (United States, 1/2025)** A4. Ototoxicant. TWA 8 hours: 20 ppm.
n-hexane	**NIOSH REL (United States, 10/2020)** TWA 10 hours: 50 ppm. TWA 10 hours: 180 mg/m³. **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. TWA 8 hours: 180 mg/m³. TWA 8 hours: 50 ppm. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 500 ppm. TWA 8 hours: 1800 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 50 ppm. TWA 8 hours: 180 mg/m³. **ACGIH TLV (United States, 1/2025)** Absorbed through skin. TWA 8 hours: 50 ppm.
Naphtha (petroleum), hydrotreated light 2,5-bis(octyldithio)-1,3,4-thiadiazole Solvent naphtha (petroleum), light arom.	None. None. **OSHA PEL 1989 (United States, 3/1989)** **[Petroleum distillates (Naphtha)]** TWA 8 hours: 400 ppm. TWA 8 hours: 1600 mg/m³.
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs. ethylbenzene	None. **NIOSH REL (United States, 10/2020)** TWA 10 hours: 100 ppm. TWA 10 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³. **CAL OSHA PEL (United States, 1/2025)** STEL 15 minutes: 130 mg/m³. STEL 15 minutes: 30 ppm. TWA 8 hours: 22 mg/m³. TWA 8 hours: 5 ppm. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 100 ppm. TWA 8 hours: 435 mg/m³. STEL 15 minutes: 125 ppm. STEL 15 minutes: 545 mg/m³. **ACGIH TLV (United States, 1/2025)** A3. Ototoxicant. TWA 8 hours: 20 ppm.

Section 8. Exposure controls/personal protection

dioctyl disulphide	None.
cumene	**NIOSH REL (United States, 10/2020)** Absorbed through skin. TWA 10 hours: 50 ppm. TWA 10 hours: 245 mg/m³. **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. TWA 8 hours: 245 mg/m³. TWA 8 hours: 50 ppm. **OSHA PEL (United States, 5/2018)** Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 245 mg/m³. **OSHA PEL 1989 (United States, 3/1989)** Absorbed through skin. TWA 8 hours: 50 ppm. TWA 8 hours: 245 mg/m³. **ACGIH TLV (United States, 1/2025)** A3. TWA 8 hours: 5 ppm.
benzene	**NIOSH REL (United States, 10/2020)** NIA. TWA 10 hours: 0.1 ppm. STEL 15 minutes: 1 ppm. **OSHA PEL Z2 (United States, 2/2013)** TWA 8 hours: 10 ppm. CEIL: 25 ppm. AMP 10 minutes: 50 ppm. **CAL OSHA PEL (United States, 1/2025)** Absorbed through skin. STEL 15 minutes: 5 ppm. TWA 8 hours: 1 ppm. **OSHA PEL (United States, 5/2018)** TWA 8 hours: 1 ppm. STEL 15 minutes: 5 ppm. **OSHA PEL 1989 (United States, 3/1989)** TWA 8 hours: 1 ppm. STEL 15 minutes: 5 ppm. **ACGIH TLV (United States, 1/2025)** A1. Absorbed through skin. TWA 8 hours: 0.02 ppm.

Biological exposure indices

Ingredient name	Exposure indices
xylene	**ACGIH BEI (United States, 1/2025) [xylenes (technical or commercial grades)]** BEI: 0.3 g/g creatinine, methylhippuric acids [in urine]. Sampling time: end of shift.
naphthalene	**ACGIH BEI (United States, 1/2025)** BEI: Nonquantitative: Biological monitoring should be considered for this compound based on the review; however, a specific BEI® could not be determined due to insufficient data., 1-naphthol + 2-naphthol [(sample not specified)]. Sampling time: end of shift.
toluene	**ACGIH BEI (United States, 1/2025)** BEI: 0.03 mg/l, toluene [in urine]. Sampling time: end of shift. BEI: 0.3 mg/g creatinine, o-cresol [in urine]. Sampling time: end of shift.

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	BEI: 0.02 mg/l, toluene [in blood]. Sampling time: prior to last shift of workweek.
n-hexane	**ACGIH BEI (United States, 1/2025)** BEI: 0.5 mg/l, 2,5-hexanedion [in urine]. Sampling time: end of shift.
ethylbenzene	**ACGIH BEI (United States, 1/2025)** BEI: 150 mg/g creatinine, sum of mandelic acid and phenylglyoxylic acid [in urine]. Sampling time: end of shift.
benzene	**ACGIH BEI (United States, 1/2025)** BEI: 25 µg/g creatinine, S-phenylmercapturic acid [in urine]. Sampling time: end of shift. BEI: 500 µg/g creatinine, t,t-muconic acid [in urine]. Sampling time: end of shift.

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. Contaminated work clothing should not be allowed out of the workplace. 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: safety glasses with side-shields.

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.

Section 9. Physical and chemical properties

The conditions of measurement of all properties are at standard temperature and pressure unless otherwise indicated.

Appearance

Physical state : Liquid.

Color : Amber.

Odor : Solvents [Slight]

Odor threshold : Not available.

pH : Not available.

Melting point/freezing point : Not available.

Boiling point or initial boiling point and boiling range : 140°C (284°F) [ASTM D 86]

Flash point : Closed cup: 41°C (105.8°F) [ASTM D 7094-04]

Evaporation rate : Not available.

Flammability : Not available.

Lower and upper explosion limit/flammability limit : Not available.

Vapor pressure : Not available.

Relative vapor density : Not available.

Relative density : 0.8153

Solubility(ies) :

Media	Result
cold water hot water	Not soluble Not soluble

Solubility in water : Not available.

Partition coefficient: n-octanol/water : Not applicable.

Auto-ignition temperature : Not available.

Decomposition temperature : Not available.

Viscosity : Dynamic (room temperature): Not available.
Kinematic (room temperature): Not available.
Kinematic (40°C (104°F)): 1.4 mm^2/s (1.4 cSt) [ASTM D 445]

Flow time (ISO 2431) : Not available.

Particle characteristics

Median particle size : Not applicable.

Section 10. Stability and reactivity

Reactivity : No specific test data related to reactivity available for this product or its ingredients.

Chemical stability : The product is stable.

Possibility of hazardous reactions : Under normal conditions of storage and use, hazardous reactions will not occur.

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.

Incompatible materials : Reactive or incompatible with the following materials:
oxidizing materials

Section 10. Stability and reactivity

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

Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Result
Naphtha (petroleum), hydrotreated heavy	**Rat - Oral - LD50** >6 g/kg
Solvent naphtha (petroleum), heavy arom.	**Rat - Oral - LD50** 5000 mg/kg OECD 401 **Rabbit - Dermal - LD50** 3160 mg/kg **Rat - Inhalation - LC50 Dusts and mists** 1.97 mg/l [4 hours]
2,6-di-tert-butylphenol	**Rabbit - Dermal - LD50** >10 g/kg **Rat - Oral - LD50** 1320 mg/kg
Distillates (petroleum), hydrotreated light	**Rat - Oral - LD50** >5000 mg/kg **Rabbit - Dermal - LD50** 4000 mg/kg **Rat - Inhalation - LC50 Dusts and mists** 6.8 mg/l [4 hours]
xylene	**Rat - Oral - LD50** 4300 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes **Rat - Inhalation - LC50 Gas.** 5000 ppm [4 hours]
naphthalene	**Rat - Oral - LD50** 490 mg/kg **Rabbit - Dermal - LD50** >20 g/kg
toluene	**Rat - Oral - LD50** 636 mg/kg **Rabbit - Dermal - LD50** 5000 mg/kg **Rat - Inhalation - LC50 Vapor** 49 g/m³ [4 hours]
n-hexane	**Rat - Oral - LD50** 15840 mg/kg **Rat - Inhalation - LC50 Gas.** 48000 ppm [4 hours]
Naphtha (petroleum), hydrotreated light	**Rat - Oral - LD50** 5000 mg/kg **Rabbit - Dermal - LD50** 2000 mg/kg **Rat - Inhalation - LC50 Dusts and mists** 5.61 mg/l [4 hours]
Solvent naphtha (petroleum), light arom.	**Rabbit - Dermal - LD50** 2000 mg/kg **Rat - Oral - LD50** 8400 mg/kg Toxic effects: Behavioral - Somnolence (general depressed activity) Behavioral - Tremor Lung, Thorax, or Respiration - Other changes **Rat - Inhalation - LC50 Vapor**

Section 11. Toxicological information

	5.61 mg/l [4 hours]
ethylbenzene	**Rat - Oral - LD50** 3500 mg/kg Toxic effects: Liver - Other changes Kidney, Ureter, and Bladder - Other changes **Rabbit - Dermal - LD50** >5000 mg/kg
cumene	**Rat - Oral - LD50** 1400 mg/kg Toxic effects: Gastrointestinal - Gastritis **Rat - Inhalation - LC50 Vapor** 39000 mg/m³ [4 hours]
benzene	**Rat - Oral - LD50** 930 mg/kg Toxic effects: Behavioral - Tremor Behavioral - Convulsions or effect on seizure threshold

Conclusion/Summary [Product] : Not available.

Skin corrosion/irritation

Product/ingredient name	Result
Solvent naphtha (petroleum), heavy arom.	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 uL
2,6-di-tert-butylphenol	**Rat - Skin - Moderate irritant** Amount/concentration applied: 0.5 Ml
xylene	**Rat - Skin - Mild irritant** Duration of treatment/exposure: 8 hours Amount/concentration applied: 60 uL **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Skin - Moderate irritant** Amount/concentration applied: 100 %
naphthalene	**Rabbit - Skin - Mild irritant** Amount/concentration applied: 495 mg **Rabbit - Skin - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 0.05 Ml
toluene	**Pig - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 250 uL **Rabbit - Skin - Mild irritant** Amount/concentration applied: 435 mg **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 20 mg **Rabbit - Skin - Moderate irritant** Amount/concentration applied: 500 mg
ethylbenzene	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 15 mg
cumene	**Rabbit - Skin - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 10 mg **Rabbit - Skin - Moderate irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 mg
benzene	**Rat - Skin - Mild irritant**

Section 11. Toxicological information

Duration of treatment/exposure: 8 hours
Amount/concentration applied: 60 uL
Rabbit - Skin - Mild irritant
Duration of treatment/exposure: 24 hours
Amount/concentration applied: 15 mg
Rabbit - Skin - Moderate irritant
Duration of treatment/exposure: 24 hours
Amount/concentration applied: 20 mg

Conclusion/Summary [Product] : Not available.

Serious eye damage/eye irritation

Product/ingredient name	Result
xylene	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 87 mg **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 5 mg
toluene	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 0.5 minutes Amount/concentration applied: 100 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 870 ug **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg **Rabbit - Eyes - Severe irritant** Amount/concentration applied: 0.1 Ml
n-hexane	**Rabbit - Eyes - Mild irritant** Amount/concentration applied: 10 mg
Solvent naphtha (petroleum), light arom.	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 100 uL
ethylbenzene	**Rabbit - Eyes - Severe irritant** Amount/concentration applied: 500 mg
cumene	**Rabbit - Eyes - Mild irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 500 mg **Rabbit - Eyes - Mild irritant** Amount/concentration applied: 86 mg
benzene	**Rabbit - Eyes - Moderate irritant** Amount/concentration applied: 88 mg **Rabbit - Eyes - Severe irritant** Duration of treatment/exposure: 24 hours Amount/concentration applied: 2 mg **Rabbit - Eyes - Severe irritant** Amount/concentration applied: 0.1 Ml

Conclusion/Summary [Product] : Not available.

Respiratory corrosion/irritation

Not available.

Conclusion/Summary [Product] : Not available.

Respiratory or skin sensitization

Section 11. Toxicological information

Not available.

Skin

Conclusion/Summary [Product] : Not available.

Respiratory

Conclusion/Summary [Product] : Not available.

Germ cell mutagenicity

Not available.

Conclusion/Summary [Product] : Not available.

Carcinogenicity

Not available.

Conclusion/Summary [Product] : Not available.

Classification

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

Reproductive toxicity

Not available.

Conclusion/Summary [Product] : Not available.

Specific target organ toxicity (single exposure)

Product/ingredient name	Result
toluene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
n-hexane	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3
cumene	SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3

Specific target organ toxicity (repeated exposure)

Product/ingredient name	Result
toluene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
n-hexane	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2
ethylbenzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) (hearing organs) - Category 2
benzene	SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1

Aspiration hazard

Section 11. Toxicological information

Product/ingredient name	Result
BG Supercharge II	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated heavy	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), heavy arom.	ASPIRATION HAZARD - Category 1
Distillates (petroleum), hydrotreated light	ASPIRATION HAZARD - Category 1
toluene	ASPIRATION HAZARD - Category 1
n-hexane	ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated light	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), light arom.	ASPIRATION HAZARD - Category 1
ethylbenzene	ASPIRATION HAZARD - Category 1
cumene	ASPIRATION HAZARD - Category 1
benzene	ASPIRATION HAZARD - Category 1

Information on the likely routes of exposure

Not available.

Potential acute health effects

Eye contact : No known significant effects or critical hazards.

Inhalation : No known significant effects or critical hazards.

Skin contact : May cause an allergic skin reaction.

Ingestion : May be fatal if swallowed and enters airways.

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : No specific data.

Inhalation : Adverse symptoms may include the following:
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

Not available.

Conclusion/Summary [Product] : Not available.

Section 11. Toxicological information

General : Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

Carcinogenicity : May cause cancer. Risk of cancer depends on duration and level of exposure.

Mutagenicity : May cause genetic defects.

Reproductive toxicity : Suspected of damaging fertility or the unborn child.

Numerical measures of toxicity

Acute toxicity estimates

Product/ingredient name	Oral (mg/kg)	Dermal (mg/kg)	Inhalation (gases) (ppm)	Inhalation (vapors) (mg/l)	Inhalation (dusts and mists) (mg/l)
Solvent naphtha (petroleum), heavy arom.	5000	3160	N/A	N/A	N/A
Distillates (petroleum), hydrotreated light	N/A	4000	N/A	N/A	6.8
xylene	4300	1100	5000	N/A	N/A
naphthalene	490	N/A	N/A	N/A	N/A
toluene	N/A	5000	N/A	49	N/A
n-hexane	15840	N/A	48000	N/A	N/A
Naphtha (petroleum), hydrotreated light	5000	N/A	N/A	N/A	5.61
2,5-bis(octyldithio)-1,3,4-thiadiazole	N/A	N/A	N/A	11	N/A
Solvent naphtha (petroleum), light arom.	8400	N/A	N/A	N/A	N/A
ethylbenzene	3500	N/A	N/A	11	N/A
dioctyl disulphide	N/A	N/A	N/A	11	N/A
cumene	N/A	N/A	N/A	39	N/A

Section 12. Ecological information

Toxicity

Product/ingredient name	Result
Naphtha (petroleum), hydrotreated heavy	**Chronic - NOEC** Daphnia 0.68 mg/l [21 days] **Acute - LC50** Fish 10 mg/l [96 hours]
Distillates (petroleum), hydrotreated light	**Acute - LC50 - Fresh water** Fish - Bluegill - *Lepomis macrochirus* Size: 35 to 75 mm 2200 µg/l [4 days] Effect: Mortality
xylene	**Acute - LC50 - Marine water** Crustaceans - Daggerblade grass shrimp - *Palaemon pugio* 8500 µg/l [48 hours] Effect: Mortality **Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* Age: 31 days; Size: 18.4 mm; Weight: 0.077 g 13.4 mg/l [96 hours] Effect: Mortality
naphthalene	**Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: ≤24 hours 1.6 mg/l [48 hours] Effect: Intoxication **Acute - LC50 - Fresh water** Fish - Crimson-spotted rainbowfish - *Melanotaenia fluviatilis* -

Section 12. Ecological information

	Larvae Age: 1 days 213 µg/l [96 hours] Effect: Mortality **Chronic - NOEC - Fresh water** Fish - Mozambique tilapia - *Oreochromis mossambicus* Age: 4 months; Size: 5.4 cm; Weight: 5.5 g 1.5 mg/l [60 days] Effect: Growth **Chronic - NOEC - Marine water** Crustaceans - Fiddler crab - *Uca pugnax* - Adult Size: 12.7 to 21.4 mm 0.5 mg/l [3 weeks] Effect: Growth
toluene	**Acute - LC50 - Fresh water** Fish - Coho salmon,silver salmon - *Oncorhynchus kisutch* - Fry Weight: 1 g 5500 µg/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Juvenile (Fledgling, Hatchling, Weanling) 6000 µg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 12.5 mg/l [72 hours] Effect: Growth **Chronic - NOEC - Fresh water** Daphnia - Water flea - *Daphnia magna* Age: ≤24 hours 1 mg/l [21 days] Effect: Mortality
n-hexane	**Acute - LC50 - Fresh water** Fish - Fathead minnow - *Pimephales promelas* Age: 31 days; Size: 20.4 mm; Weight: 0.123 g 2500 µg/l [96 hours] Effect: Mortality
ethylbenzene	**Acute - LC50 - Fresh water** Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* 4200 µg/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: ≤24 hours 2.93 mg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 3600 µg/l [96 hours] Effect: Population
cumene	**Acute - LC50 - Fresh water** Fish - Rainbow trout,donaldson trout - *Oncorhynchus mykiss* 2700 µg/l [96 hours] Effect: Mortality **Acute - EC50 - Marine water** Crustaceans - Brine shrimp - *Artemia sp.* - Nauplii Age: 2 to 3 7.4 mg/l [48 hours] Effect: Intoxication **Acute - EC50 - Fresh water**

Section 12. Ecological information

	Algae - Green algae - *Raphidocelis subcapitata* 2600 µg/l [72 hours] Effect: Growth
benzene	**Acute - LC50 - Fresh water** Fish - Pink salmon - *Oncorhynchus gorbuscha* - Fry 5.28 µl/l [96 hours] Effect: Mortality **Acute - EC50 - Fresh water** Daphnia - Water flea - *Daphnia magna* - Neonate Age: ≤24 hours 9.23 mg/l [48 hours] Effect: Intoxication **Chronic - NOEC - Marine water** Fish - Striped bass - *Morone saxatilis* - Juvenile (Fledgling, Hatchling, Weanling) Size: 18.1 cm; Weight: 3.39 g 1.5 to 5.4 µl/l [4 weeks] Effect: Growth **Chronic - NOEC - Fresh water** Daphnia - Water flea - *Daphnia magna* Age: <24 hours 98 mg/l [21 days] Effect: Reproduction **Chronic - EC10 - Fresh water** Algae - Green algae - *Desmodesmus subspicatus* >1360 mg/l [96 hours] Effect: Population **Acute - EC50 - Fresh water** Algae - Green algae - *Raphidocelis subcapitata* 29 mg/l [72 hours] Effect: Growth

Conclusion/Summary [Product] : Not available.

Persistence and degradability

Not available.

Conclusion/Summary [Product] : Not available.

Bioaccumulative potential

Product/ingredient name	$LogP_{ow}$	BCF	Potential
Naphtha (petroleum), hydrotreated heavy	-	10 to 2500	High
Solvent naphtha (petroleum), heavy arom.	2.8 to 6.5	99 to 5780	High
2,6-di-tert-butylphenol	4.5	-	High
xylene	3.12	8.1 to 25.9	Low
naphthalene	3.4	36.5 to 168 [OECD 305]	Low
toluene	2.73	90	Low
n-hexane	4	501.187	High
Naphtha (petroleum), hydrotreated light	2.2 to 5.2	10 to 2500	High
Solvent naphtha (petroleum), light arom.	-	10 to 2500	High
ethylbenzene	3.6	-	Low
cumene	3.55	35.48	Low
benzene	2.13	11	Low

Section 12. Ecological information

Mobility in soil

Soil/Water partition coefficient : Not available.

Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

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.

Section 14. Transport information

	DOT Classification	TDG Classification	Mexico Classification	ADR/RID	IMDG	IATA
UN number	UN1993	UN1993	UN1993	UN1993	UN1993	UN1993
UN proper shipping name	Flammable liquids, n.o.s. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)	LÍQUIDO INFLAMABLE, N.E.P. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)	FLAMMABLE LIQUID, N.O.S. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)	Flammable liquid, n.o.s. (Naphtha (petroleum), hydrotreated heavy, Solvent naphtha (petroleum), heavy arom.)
Transport hazard class(es)	3 	3 	3 	3 	3 	3 
Packing group	III	III	III	III	III	III
Environmental hazards	Yes.	No.	No.	Yes.	No.	No.

Additional information

Section 14. Transport information

DOT Classification : This product is not regulated as a marine pollutant when transported on inland waterways in sizes of ≤5 L or ≤5 kg or by road, rail, or inland air in non-bulk sizes, provided the packagings meet the general provisions of §§ 173.24 and 173.24a.
Reportable quantity 8760.9 lbs / 3977.5 kg [1288.8 gal / 4878.5 L]. Package sizes shipped in quantities less than the product reportable quantity are not subject to the RQ (reportable quantity) transportation requirements.
Limited quantity Yes.
Packaging instruction Exceptions: 150. Non-bulk: 203. Bulk: 242.
Quantity limitation Passenger aircraft/rail: 60 L. Cargo aircraft: 220 L.
Special provisions B1, B52, IB3, T4, TP1, TP29

TDG Classification : Product classified as per the following sections of the Transportation of Dangerous Goods Regulations: 2.18-2.19 (Class 3).
Explosive Limit and Limited Quantity Index 5
Passenger Carrying Road or Rail Index 60
Special provisions 16, 150

Mexico Classification : **Special provisions** 223, 274

ADR/RID : The environmentally hazardous substance mark is not required when transported in sizes of ≤5 L or ≤5 kg.
Hazard identification number 30
Limited quantity 5 L
Special provisions 274, 601
Tunnel code (D/E)

IMDG : **Emergency schedules** F-E, _S-E_
Special provisions 223, 274, 955

IATA : The environmentally hazardous substance mark may appear if required by other transportation regulations.
Quantity limitation Passenger and Cargo Aircraft: 60 L. Packaging instructions: 355. Cargo Aircraft Only: 220 L. Packaging instructions: 366. Limited Quantities - Passenger Aircraft: 10 L. Packaging instructions: Y344.
Special provisions A3

Special precautions for user : **Transport within user's premises:** always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

Transport in bulk according to IMO instruments : Not available.

Section 15. Regulatory information

U.S. Federal regulations

TSCA 4(a) proposed test rules: 2,6-di-tert-butylphenol

TSCA 8(a) PAIR: naphthalene

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

TSCA 8(d) H and S data reporting: naphthalene; ethylbenzene; benzene

Clean Water Act (CWA) 307: naphthalene; toluene; ethylbenzene; benzene

Clean Water Act (CWA) 311: xylene; naphthalene; toluene; cyclohexane; ethylbenzene; benzene

TSCA 12(b) - Chemical export notification

Not applicable.

Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs) : Listed

Clean Air Act Section 602 Class I Substances : Not listed

Section 15. Regulatory information

Clean Air Act Section 602 Class II Substances : Not listed

DEA List I Chemicals (Precursor Chemicals) : Not listed

DEA List II Chemicals (Essential Chemicals) : Not listed

SARA 302/304

Composition/information on ingredients

No products were found.

SARA 304 RQ : Not applicable.

SARA 311/312

Classification : FLAMMABLE LIQUIDS - Category 3
SKIN SENSITIZATION - Category 1
GERM CELL MUTAGENICITY - Category 1B
CARCINOGENICITY - Category 1A
TOXIC TO REPRODUCTION - Category 2
ASPIRATION HAZARD - Category 1

Composition/information on ingredients

Name	%	Classification
Naphtha (petroleum), hydrotreated heavy	≥65 - ≤85	ASPIRATION HAZARD - Category 1
Solvent naphtha (petroleum), heavy arom.	≥5 - ≤10	ASPIRATION HAZARD - Category 1
Oxirane, ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. Residu	≥3 - ≤7	SKIN SENSITIZATION - Category 1
2,6-di-tert-butylphenol	≥1 - ≤5	SKIN IRRITATION - Category 2
Distillates (petroleum), hydrotreated light	≥1 - ≤5	ASPIRATION HAZARD - Category 1
xylene	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 3 ACUTE TOXICITY (dermal) - Category 4 ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2
naphthalene	≥0.1 - ≤1	ACUTE TOXICITY (oral) - Category 4 CARCINOGENICITY - Category 2
toluene	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
n-hexane	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 TOXIC TO REPRODUCTION - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Narcotic effects) - Category 3 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
Naphtha (petroleum), hydrotreated light	≥0.1 - ≤1	ASPIRATION HAZARD - Category 1
2,5-bis(octyldithio) -1,3,4-thiadiazole	≥0.1 - ≤1	ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1
Solvent naphtha (petroleum), light arom.	≥0.1 - ≤1	ASPIRATION HAZARD - Category 1
Ethanamine, 2-	≥0.1 - ≤1	SKIN SENSITIZATION - Category 1

Section 15. Regulatory information

(4-polyisobutylenephenoxy) derivs.		
ethylbenzene	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 2 ACUTE TOXICITY (inhalation) - Category 4 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 2 ASPIRATION HAZARD - Category 1
dioctyl disulphide	≥0.1 - ≤1	ACUTE TOXICITY (inhalation) - Category 4 SKIN IRRITATION - Category 2 SKIN SENSITIZATION - Category 1
cumene	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 3 CARCINOGENICITY - Category 2 SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) (Respiratory tract irritation) - Category 3 ASPIRATION HAZARD - Category 1
benzene	≥0.1 - ≤1	FLAMMABLE LIQUIDS - Category 2 SKIN IRRITATION - Category 2 EYE IRRITATION - Category 2A GERM CELL MUTAGENICITY - Category 1B CARCINOGENICITY - Category 1A SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE) - Category 1 ASPIRATION HAZARD - Category 1

SARA 313

	Product name	CAS number	%
Form R - Reporting requirements	naphthalene ethylbenzene cumene benzene	91-20-3 100-41-4 98-82-8 71-43-2	≥0.1 - ≤1 ≥0.1 - ≤1 ≥0.1 - ≤1 ≥0.1 - ≤1
Supplier notification	naphthalene ethylbenzene cumene benzene	91-20-3 100-41-4 98-82-8 71-43-2	≥0.1 - ≤1 ≥0.1 - ≤1 ≥0.1 - ≤1 ≥0.1 - ≤1

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 : None of the components are listed.

New York : None of the components are listed.

New Jersey : The following components are listed: NAPHTHALENE; TOLUENE; ETHYL BENZENE; BENZENE

Pennsylvania : None of the components are listed.

California Prop. 65

⚠ **WARNING**: This product can expose you to chemicals including Benzene, which is known to the State of California to cause cancer and birth defects or other reproductive harm. This product can expose you to chemicals including Naphthalene, Ethylbenzene and cumene, which are known to the State of California to cause cancer, and Toluene and n-hexane, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Ingredient name	No significant risk level	Maximum acceptable dosage level
Naphthalene	Yes.	-
Toluene	-	Yes.
n-hexane	-	Yes.
Ethylbenzene	Yes.	-
cumene	-	-
Benzene	Yes.	Yes.

Section 15. Regulatory information

International regulations

Chemical Weapon Convention List Schedules I, II & III Chemicals

Not listed.

Montreal Protocol

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

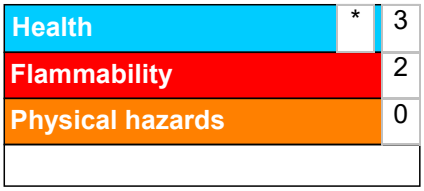
Not listed.

Inventory list

Australia	:	All components are listed or exempted.
Canada	:	All components are listed or exempted.
China	:	All components are listed or exempted.
Eurasian Economic Union	:	**Russian Federation inventory**: Not determined.
Japan	:	**Japan inventory (CSCL)**: At least one component is not listed. **Japan inventory (ISHL)**: Not determined.
New Zealand	:	All components are listed or exempted.
Philippines	:	All components are listed or exempted.
Republic of Korea	:	All components are listed or exempted.
Taiwan	:	All components are listed or exempted.
Thailand	:	Not determined.
Turkey	:	Not determined.
United States	:	All components are active or exempted.
Viet Nam	:	Not determined.

Section 16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks. Although HMIS® ratings and the associated label are not required on SDSs or products leaving a facility under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered trademark and service mark of the American Coatings Association, Inc.

The customer is responsible for determining the PPE code for this material. For more information on HMIS® Personal Protective Equipment (PPE) codes, consult the HMIS® Implementation Manual.

National Fire Protection Association (U.S.A.)

Procedure used to derive the classification

Section 16. Other information

Classification	Justification
FLAMMABLE LIQUIDS - Category 3	On basis of test data
SKIN SENSITIZATION - Category 1	Calculation method
GERM CELL MUTAGENICITY - Category 1B	Calculation method
CARCINOGENICITY - Category 1A	Calculation method
TOXIC TO REPRODUCTION - Category 2	Calculation method
ASPIRATION HAZARD - Category 1	On basis of test data

History

Date of printing : 2/23/2026

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Formulation Version number : 18

Key to abbreviations : ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
N/A = Not available
SGG = Segregation Group
UN = United Nations

References : Not available.

Indicates information that has changed from previously issued version.

Notice to reader

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Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.