

Safety Data Sheet



SECTION 1 IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Techron Concentrate Plus

Product Number(s): 804366

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

Identified Uses: Gasoline fuel additive

1.3 Details of the supplier of the safety data sheet

Chevron Products UK Limited
1 Westferry Circus
Canary Wharf
London E14 4HA
United Kingdom
email : eumsds@chevron.com

1.4 Emergency telephone number

Transportation Emergency Response

Europe: 0044/(0)18 65 407333 and CHEMTREC: +1 703 527 3887

Health Emergency

Chevron Emergency Information Center: Located in the USA, international calls accepted 24 hours: +1 510 231 0623

Europe: 0044/(0)18 65 407333

Product Information

Product Information: FAX number: 0044/20 77 19 5171

SECTION 2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

CLP CLASSIFICATION:

- Aspiration toxicant: Category 1, H304; May be fatal if swallowed and enters airways.
- Skin Sensitizer: Category 1, H317; May cause an allergic skin reaction.
- Chronic aquatic toxicant: Category 3, H412; Harmful to aquatic life with long lasting effects.

2.2 Label elements

Under the criteria of GB CLP:



Signal Word: Danger

HAZARD STATEMENTS:

Health Hazards:

- May be fatal if swallowed and enters airways (H304).
- May cause an allergic skin reaction (H317).

Environmental Hazards:

- Harmful to aquatic life with long lasting effects (H412).

- contains: Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distr.
residues from manuf. of phenol (tetrapropenyl) derivs. and phenol
(tetrapropenyl) derivs.
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.
Solvent naphtha (petroleum), light aromatic
N-2-hydroxyethylcarbamyloxy-4-pib

PRECAUTIONARY STATEMENTS:

General:

- Keep out of reach of children (P102).
- Read label before use (P103).

Prevention:

- Avoid breathing fume, gas, mist, vapours, or spray (P261).
- Wear protective gloves and protective clothing (P280).

Response:

- IF SWALLOWED: Immediately call a POISON CENTER, doctor, or physician (P301+P310).
- Do NOT induce vomiting (P331).

Storage:

- Store locked up (P405).

Disposal:

- Dispose of contents and container in accordance with applicable local, regional, national, and international regulations (P501).

Supplemental Hazard Information (EU): Repeated exposure may cause skin dryness or cracking (EUH066).

2.3 Other hazards

This material does not contain a substance considered to have endocrine disrupting properties at levels of 0.1% weight or higher. This material does not contain a substance considered to be PBT or vPvB at levels of 0.1% weight or higher.

SECTION 3 COMPOSITION/ INFORMATION ON INGREDIENTS

3.2 Mixtures

This material is a mixture.

COMPONENTS	CAS NUMBER	EC NUMBER	REGISTRATION NUMBER	GB CLP CLASSIFICATION	AMOUNT
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	64742-47-8	926-141-6	**	Asp. Tox. 1/H304	50 - 55 %weight
Oxirane, 2-ethyl-,	220795-29-9	Not	**	Aquatic Chronic	45 - < 50

homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.		applicable		3/H412; Skin Sens. 1B/H317 [C>=50]	%weight
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	1019768-09-2	Not applicable	**	Aquatic Chronic 3/H412; Skin Sens. 1B/H317	1 - 5 %weight
Solvent naphtha (petroleum), light aromatic	64742-95-6	265-199-0	**	Asp. Tox. 1/H304; Aquatic Chronic 2/H411; Flam. Liq. 3/H226; Skin Irrit. 2/H315; STOT SE 3/H336	1 - < 2.5 %weight
N-2-hydroxyethylcarbamyloxy-4-pib	Not applicable	Not applicable	**	Aquatic Chronic 3/H412; Skin Sens. 1/H317	0.1 - < 1 %weight

The full text of all CLP H-statements is shown in Section 16.

**Not available or substance is not currently required for registration under UK REACH.

SECTION 4 FIRST AID MEASURES

4.1 Description of first aid measures

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

4.2 Most important symptoms and effects, both acute and delayed

IMMEDIATE SYMPTOMS AND HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin may cause an allergic skin reaction. Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering.

Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death.

Inhalation: Not expected to be harmful if inhaled.

DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS: Not classified.

4.3 Indication of any immediate medical attention and special treatment needed

Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

5.1 Extinguishing media

Use water fog, foam, dry chemical or carbon dioxide (CO₂) to extinguish flames.

5.2 Special hazards arising from the substance or mixture

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion. Combustion may form oxides of: Nitrogen .

5.3 Advice for firefighters

This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Observe all relevant local and international regulations. Eliminate all sources of ignition in vicinity of spilled material. Keep out unnecessary and unprotected personnel. Persons entering the contaminated area to correct the problem or to determine whether it is safe to resume normal activities must comply with all instructions in the Exposure Controls/Personal Protection section. Refer to Sections 5 and 8 for more information.

6.2 Environmental precautions

Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater.

6.3 Methods and material for containment and cleaning up

Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil and dispose of in a manner consistent with applicable requirements. Place other contaminated materials in disposable containers and dispose of in a manner consistent with applicable requirements. Report spills to local authorities as appropriate or required.

6.4 Reference to other sections

See sections 8 and 13.

SECTION 7 HANDLING AND STORAGE

7.1 Precautions for safe handling

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Precautionary Measures: Storage, processing, handling, and use at temperatures above the flash point can produce ignitable vapors if the liquid is released or vessels are vented. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Wash thoroughly after handling. Keep out of the reach of children.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose

such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

7.2 Conditions for safe storage, including any incompatibilities

Not Applicable

7.3 Specific end use(s): Gasoline fuel additive

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 2), applicable exposure limits, job activities, and other substances in the workplace when designing engineering controls and selecting personal protective equipment (PPE). If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, refer to PPE information below.

Factors that affect PPE include, but are not limited to: properties of the chemical, other chemicals which may contact the same PPE, physical requirements (fit & sizing, cut/puncture protection, dexterity, thermal protection, etc.), and potential allergic reactions to the PPE material. It is the responsibility of the user to read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances. Refer to appropriate CEN standards.

8.1 Control parameters

Occupational Exposure Limits: No applicable occupational exposure limits exist for this material or its components. Consult local authorities for appropriate values.

8.2 Exposure controls

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Wear protective equipment to prevent eye contact. Selection of protective equipment may include safety glasses, chemical goggles, face shields, or a combination depending on the work operations conducted.

Skin Protection: Wear chemical personal protective equipment (PPE) to prevent skin contact. Selection of chemical protective clothing should be performed by an Occupational Hygienist or Safety Professional and be based upon applicable standards (ASTM F739 or EN 374). Using chemical PPE depends upon operations conducted and may include chemical gloves, boots, chemical apron, chemical suit, and complete facial protection. **Refer to PPE manufacturers to obtain breakthrough time information to determine how long PPE can be used before it needs to be replaced.** Unless specific glove manufacturer data indicates otherwise, the below table is based upon available industry data to assist in the glove selection process and is intended to be used as reference only.

Chemical Glove Material	Thickness (mm)	Typical Breakthrough Time (minutes)
Nitrile	0.8	5
Nitrile	0.11	5
Polyvinyl Chloride (PVC)	1.1	13
Viton Butyl	0.3	120

Respiratory Protection: Not required for identified conditions of use. A site-specific risk assessment should be conducted by an Occupational Hygienist or a Safety Professional to determine the type and use of respiratory protective equipment. When a site-specific risk assessment determines that respiratory protection is required, use an approved respirator such as:

Air purifying respirator -

If airborne concentration limits exceed the applicable occupational exposure limit, but are below the maximum use concentration.

Vapors only: organic vapor cartridge (filter type A3 per EN 529:2005).

Vapors and particulates (including generated mists): both an organic vapor cartridge & particulate filter (AP3 filter per EN 529:2005).

Refer to respirator manufacturers to obtain service life of cartridge / filter.

Positive pressure air-supplying respirator -

If airborne concentration limits exceed the maximum use concentration offered from an air purifying respirator.

Refer to EN 529:2005, USA OSHA 1910.134, and/or other applicable local/regional/national/international standards for regulatory requirements.

ENVIRONMENTAL EXPOSURE CONTROLS:

See relevant Community environmental protection legislation or the Annex, as applicable.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

9.1 Information on basic physical and chemical properties**Appearance**

Color: Yellow

Physical State: Liquid

Odor: Hydrocarbon odor

Odor Threshold: No data available

pH: Not Applicable

Melting Point: No data available

Freezing Point: No data available

Initial Boiling Point: No data available

Flashpoint: (Pensky-Martens Closed Cup) 62 °C (144 °F) (Minimum)

Evaporation Rate: No data available

Flammability (solid, gas): Not Applicable

Flammability (Explosive) Limits (% by volume in air):

Lower: Not Applicable Upper: Not Applicable

Vapor Pressure: No data available

Relative Vapor Density: No data available

Density: 0.873 kg/l @ 15°C (59°F) (Typical)

Solubility: Soluble in hydrocarbons; insoluble in water

Partition coefficient n-octanol/water (logarithmic value): No data available

Auto-ignition temperature: No data available

Decomposition temperature: No data available

Kinematic Viscosity: 3.53 mm²/s @ 40°C (104°F) (Typical)

Explosive Properties: No Data Available

Oxidising properties: No Data Available

9.2 Other Information: No Data Available

SECTION 10 STABILITY AND REACTIVITY

10.1 Reactivity: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

10.2 Chemical Stability: This material is considered stable under normal ambient and anticipated

storage and handling conditions of temperature and pressure.

10.3 Possibility of hazardous reactions: Hazardous polymerization will not occur.

10.4 Conditions to Avoid: Not applicable

10.5 Incompatible materials to avoid: Not applicable

10.6 Hazardous decomposition products: None known (None expected)

SECTION 11 TOXICOLOGICAL INFORMATION

11.1 Information on hazard classes

Product Information:

Serious Eye Damage/Irritation: The material is not considered an eye irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Corrosion/Irritation: The material is not considered a skin irritant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Skin Sensitization: The material may cause an allergic skin reaction. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Dermal Toxicity: The material is not considered a dermal toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (dermal): Not Applicable

Acute Oral Toxicity: The material is not considered an oral toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (oral): Not Applicable

Acute Inhalation Toxicity: The material is not considered an inhalation toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Acute Toxicity Estimate (inhalation): Not Applicable

Germ Cell Mutagenicity: The material is not considered a mutagen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Carcinogenicity: The material is not considered a carcinogen. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Reproductive Toxicity: The material is not considered a reproductive toxicant. The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Single Exposure: The material is not considered a target organ toxicant (single exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Specific Target Organ Toxicity - Repeated Exposure: The material is not considered a target organ toxicant (repeated exposure). The product has not been tested. The statement is based on evaluation of data for similar materials or product components.

Aspiration Hazard: This material is considered an aspiration hazard based on the kinematic viscosity of the material.

Component Information:

Serious Eye Damage/Irritation:	
Hydrocarbons, C11-C14, n-alkanes,	Based on available data, the classification criteria are not met

isoalkanes, cyclics, <2% aromatics	
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Skin Corrosion/Irritation:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Test Result: Causes skin irritation
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Skin Sensitization:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Test Result: May cause allergic skin reaction
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Protocol: OECD 406 - Skin Sensitization Test Result: May cause allergic skin reaction * read-across data from similar material
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Test Result: May cause allergic skin reaction

Acute Dermal Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Acute Oral Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met

Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Acute Inhalation Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Germ Cell Mutagenicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Carcinogenicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Reproductive Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed	Based on available data, the classification criteria are not met

distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - Single Exposure:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Test Result: May cause drowsiness or dizziness
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

Specific Target Organ Toxicity - Repeated Exposure:

Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Based on available data, the classification criteria are not met
Ethanamine, 2-(4-polyisobutylenephenoxy) derivs.	Based on available data, the classification criteria are not met
Solvent naphtha (petroleum), light aromatic	Based on available data, the classification criteria are not met
N-2-hydroxyethylcarbamyloxy-4-pib	Based on available data, the classification criteria are not met

11.2 Information on other hazards

No other hazards identified.

SECTION 12 ECOLOGICAL INFORMATION

Product Information:

12.1 Toxicity

This material is expected to be harmful to aquatic organisms and may cause long-term adverse effects in the aquatic environment. The product has not been tested. The statement has been derived from the properties of the individual components.

12.2 Persistence and degradability

This material is not expected to be readily biodegradable. The product has not been tested. The statement has been derived from the properties of the individual components.

12.3 Bioaccumulative potential

Bioconcentration Factor: No Data Available

Partition coefficient n-octanol/water (logarithmic value): No data available

12.4 Mobility in soil

No data available.

12.5 Results of PBT and vPvB assessment

This material does not meet the criteria for PBT or vPvB.

12.6 Endocrine Disrupting Properties

This mixture does not contain any substances that are assessed as having endocrine disrupting properties.

12.7 Other adverse effects

No other adverse effects identified.

Component Information:

Acute Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Test Qualifier: EC50 Test Result: >1000 mg/l Species: Invertebrate Duration:48 hour(s)
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Test Qualifier: EC50 (growth rate) Test Result: 11 mg/l Species: Algae Duration:96 hour(s)
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Test Qualifier: LC50 Test Result: 22 mg/l Species: Fish Duration:96 hour(s)
Ethanamine, 2-(4-polyisobutylene-phenoxy) derivs.	Test Qualifier: EC50 Test Result: 50 mg/l (WAF) Species: Invertebrate Duration:48 hour(s) * read-across data from similar material
Solvent naphtha (petroleum), light aromatic	Test Qualifier: EC50 Test Result: 3.29 mg/l Species: Algae Duration:72 hour(s)
Solvent naphtha (petroleum), light aromatic	Test Qualifier: EC50 Test Result: 6.14 mg/l Species: Invertebrate Duration:48 hour(s)
Solvent naphtha (petroleum), light aromatic	Test Qualifier: LC50 Test Result: 9.22 mg/l Species: Fish Duration:96 hour(s)
N-2-hydroxyethylcarbamyloxy-4-pib	No test data available

Long-term Toxicity:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	No test data available
Ethanamine, 2-(4-polyisobutylene-phenoxy) derivs.	No test data available

Solvent naphtha (petroleum), light aromatic	No test data available
N-2-hydroxyethylcarbamyloxy-4-pib	No test data available

Biodegradation:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	Protocol: OECD 301C-Modified MITI Test Result: Not readily biodegradable Biodegradation: 2%
Ethanamine, 2-(4-polyisobutylphenoxy) derivs.	Test Result: Not readily biodegradable
Solvent naphtha (petroleum), light aromatic	Test Result: Not readily biodegradable
N-2-hydroxyethylcarbamyloxy-4-pib	Not applicable

Bioaccumulative Potential:	
Hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, <2% aromatics	Based on available data, the classification criteria are not met
Oxirane, 2-ethyl-, homopolymer, 2-aminobutyl ether, ether with mixed distn. residues from manuf. of phenol (tetrapropenyl) derivs. and phenol (tetrapropenyl) derivs.	No test data available
Ethanamine, 2-(4-polyisobutylphenoxy) derivs.	No test data available
Solvent naphtha (petroleum), light aromatic	No test data available
N-2-hydroxyethylcarbamyloxy-4-pib	No test data available

SECTION 13 DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by international, country, or local laws and regulations. In accordance with European Waste Catalogue (E.W.C.) the codification is the following: 07 07 99

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult appropriate Dangerous Goods Regulations for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

ADR/RID

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

ADN

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

ICAO / IATA

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

IMO / IMDG

NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT

14.1 UN Number or ID Number: Not applicable

14.2 UN proper shipping name: Not applicable

14.3 Transport hazard class(es): Not applicable

14.4 Packing group: Not applicable

14.5 Environmental hazards: Not applicable

14.6 Special precautions for user: Not applicable

14.7 Maritime Transport in Bulk according to IMO Instruments: Not applicable

SECTION 15 REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture REGULATORY LISTS SEARCHED:

01=EU Directive 92/85/EEC: Pregnant or breastfeeding workers.

02=EU Directive 2012/18/EU: Seveso III.

03=EU Directive 98/24/EC: Chemical agents at work.

04=EU Directive 2004/37/EC: On the protection of workers.

05=EU Regulation EC No. 689/2008: Annex 1, Part 1.

06=EU Regulation EC No. 850/2004: Prohibiting and restricting persistent organic pollutants (POPs).

07=EU REACH, Annex XVII: Restrictions on manufacture, placing on the market and use of certain dangerous substances, mixture & article.

08=EU REACH, Annex XIV: Authorization List or Candidate List of Substances of Very High Concern for Authorization (SVHC).

The following components of this material are found on the regulatory lists indicated.

Solvent naphtha (petroleum), light aromatic 01, 02, 07

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AIIC (Australia), DSL (Canada), ENCS (Japan), TSCA (United States).

One or more components is listed on ELINCS (European Union). All other components are listed or exempted from listing on EINECS.

One or more components does not comply with the following chemical inventory requirements: IECSC (China), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TCSI (Taiwan).

15.2 Chemical safety assessment

No chemical safety assessment.

SECTION 16 OTHER INFORMATION

REVISION STATEMENT: No revision information

Revision Date: August 13, 2025

Full text of CLP H-statements:

Asp. Tox. 1/H304; May be fatal if swallowed and enters airways
Aquatic Chronic 2/H411; Toxic to aquatic life with long lasting effects
Aquatic Chronic 3/H412; Harmful to aquatic life with long lasting effects
Flam. Liq. 3/H226; Flammable liquid and vapor
Skin Sens. 1/H317; May cause an allergic skin reaction
Skin Irrit. 2/H315; Causes skin irritation
STOT SE 3/H336; May cause drowsiness or dizziness

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
CVX - Chevron	CAS - Chemical Abstract Service Number
NQ - Not Quantifiable	

Prepared according to the UK REACH by Chevron.

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No Annex