

# SAFETY DATA SHEET



Performance Bio HE 32 TG

## Section 1. Identification

|   |   |
|---|---|
| <b>GHS product identifier</b>   | Performance Bio HE 32 TG  |
| <b>Product code</b>   | 469024-US03   |
| <b>SDS #</b>  | 469024  |
| <b><u>Relevant identified uses of the substance or mixture and uses advised against</u></b> |   |
| <b>Identified uses</b>  | Hydraulic fluid.<br>For specific application advice see appropriate Technical Data Sheet or consult our company representative.           |
| <b>Uses advised against</b>   | Consult with experts for use other than relevant identified use.  |
| <b>Manufacturer</b>   | BP Lubricants USA Inc.<br>1500 Valley Road<br>Wayne, NJ 07470<br>Telephone: +1-888-CASTROL  |
| <b>Supplier</b>   | Wakefield Canada Inc.<br>6950 Creditview Rd<br>Mississauga, ON L5N 0A6<br>Canada<br><br>Phone number: 1 (416) 252-5511<br>+1-800-447-8735 |
| <b>EMERGENCY HEALTH INFORMATION:</b>  |   |
| <b>EMERGENCY TELEPHONE NUMBER</b>   | 1 (613) 996-6666 CANUTEC (Canada)<br>+1-800-424-9300 (CHEMTREC USA)<br>+1-703-527-3887 (CHEMTREC outside the US)                          |

## Section 2. Hazard identification

**Classification of the substance or mixture** SKIN SENSITIZATION - Category 1A  
TOXIC TO REPRODUCTION - Category 2

### GHS label elements

#### Hazard pictograms



#### Signal word

Warning

#### Hazard statements

H317 - May cause an allergic skin reaction.  
H361 - Suspected of damaging fertility or the unborn child.

### 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, protective clothing and eye or face protection.  
P261 - Avoid breathing vapor.  
P272 - Contaminated work clothing should not be allowed out of the workplace.

#### Response

P308 + P313 - IF exposed or concerned: Get medical attention.  
P302 + P352 - IF ON SKIN: Wash with plenty of soap and water.  
P333 + P313 - If skin irritation or rash occurs: Get medical attention.  
P362 + P364 - Take off contaminated clothing and wash it before reuse.

#### Storage

P405 - Store locked up.

**Product name** Performance Bio HE 32 TG

**Product code** 469024-US03

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**Version** 8

**Date of issue** 02/03/2026.

**Format** Canada

**Language** ENGLISH

(Canada)

(ENGLISH)

## Section 2. Hazard identification

### Disposal

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

### Other hazards which do not result in classification

Defatting to the skin.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency.

See 'Notes to physician' under First-Aid Measures, Section 4 of this Safety Data Sheet.

## Section 3. Composition/information on ingredients

### Substance/mixture

Mixture

Vegetable oil and additives

| Ingredient name   | Synonyms   | % (w/w)   | CAS number          |
|---|--|-----------|---------------------|
| Canola oil  | Oils, glyceridic, canola; RAPESEED OIL, LOW ERUCIC ACID; PRIMOR RAPESEED OIL; LESIRA RAPESEED OIL; ERGLU RAPESEED OIL; CANOLA OIL GLYCERIDIC; SPAN RAPESEED OIL; ORO RAPESEED OIL; ZEPHYR RAPESEED OIL; TOWER RAPESEED OIL; BRASSICA NAPUS OIL, LOW ERUCIC ACID  | ≥80       | CAS:<br>120962-03-0 |
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | Diphenylamine, diisobutylene reaction products; N-Phenylbenzenamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction products; n-phenylbenzenamine reaction products with 2,4,4-trimethylpentenes; N-Phenylbenzeneamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction product; N-Phenylbenzenamine, 2,4,4-trimethyl-1-pentene, and 2,4,4-trimethyl-2-pentene reaction product; N-Phenylbenzenamine, reaction product with diisobutylene; Diphenylamine, diisobutylene reaction product; Diphenylamine, octylated; Reaction products of diphenylamine and 2,4,4-trimethylpentene; p,p'-Dialkyl (C8-14)diphenylamine; p,p'-Dialkyl (C8-9) diphenylamine | ≥0.1 - ≤1 | CAS:<br>68411-46-1  |
| dihydro-3-(tetrapropenyl)furan-2,5-dione                              | 2,5-Furandione, dihydro-3-(tetrapropenyl)-; Dihydro-3-(tetrapropenyl)-2,5-furandione; (tetrapropenyl)succinic anhydride; tetrapropenesuccinic anhydride; Succinic anhydride, (tetrapropenyl)-; 3-(Tetrapropenyl)oxolane-2,5-dione; Alkenyl (C8-50) succinic anhydride; SUCCINIC ANHYDRIDE, TETRAPROPENYL-; 3-(Tetrapropenyl)oxolane-1,5-dione  | ≥0.1 - ≤1 | CAS:<br>26544-38-7  |

## Section 3. Composition/information on ingredients

Ranges if listed above for hazardous ingredient(s) are prescribed ranges. The actual concentration(s) or actual concentration range(s) are being withheld as a trade secret.

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 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

|                                   |   |
|-----------------------------------|---|
| <b>Eye contact</b>                | In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Eyelids should be held away from the eyeball to ensure thorough rinsing. Check for and remove any contact lenses. Get medical attention.   |
| <b>Skin contact</b>               | In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash skin thoroughly with soap and water or use recognized skin cleanser. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention. If skin irritation or rash occurs: Get medical attention. |
| <b>Inhalation</b>                 | If inhaled, remove to fresh air. Get medical attention.   |
| <b>Ingestion</b>                  | Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Get medical attention.   |
| <b>Protection of first-aiders</b> | No action shall be taken involving any personal risk or without suitable training. 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.   |

### Most important symptoms/effects, acute and delayed

#### Potential acute health effects

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | No known significant effects or critical hazards.  |
| <b>Inhalation</b>   | No known significant effects or critical hazards.  |
| <b>Skin contact</b> | Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction. |
| <b>Ingestion</b>    | No known significant effects or critical hazards.  |

#### Over-exposure signs/symptoms

|                     |  |
|---------------------|--|
| <b>Eye contact</b>  | No specific data.  |
| <b>Inhalation</b>   | No specific data.  |
| <b>Skin contact</b> | Adverse symptoms may include the following:<br>irritation<br>dryness<br>cracking<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations |
| <b>Ingestion</b>    | Adverse symptoms may include the following:<br>reduced fetal weight<br>increase in fetal deaths<br>skeletal malformations                                      |

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

## Section 4. First-aid measures

### Notes to physician

Treatment should in general be symptomatic and directed to relieving any effects.

Note: High Pressure Applications

Injections through the skin resulting from contact with the product at high pressure constitute a major medical emergency. Injuries may not appear serious at first but within a few hours tissue becomes swollen, discolored and extremely painful with extensive subcutaneous necrosis.

Surgical exploration should be undertaken without delay. Thorough and extensive debridement of the wound and underlying tissue is necessary to minimize tissue loss and prevent or limit permanent damage. Note that high pressure may force the product considerable distances along tissue planes.

### Specific treatments

No specific treatment.

## Section 5. Fire-fighting measures

### Extinguishing media

#### Suitable extinguishing media

In case of fire, use foam, dry chemical or carbon dioxide extinguisher or spray.

#### Unsuitable extinguishing media

Do not use water jet.

### Specific hazards arising from the chemical

In a fire or if heated, a pressure increase will occur and the container may burst.

#### Hazardous thermal decomposition products

Combustion products may include the following:

phosphorus oxides

carbon oxides (CO, CO<sub>2</sub>) (carbon monoxide, carbon dioxide)

sulfur oxides (SO, SO<sub>2</sub> etc.)

### Special protective actions for fire-fighters

No action shall be taken involving any personal risk or without suitable training.

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire.

### Special protective equipment for fire-fighters

Fire-fighters should wear positive pressure self-contained breathing apparatus (SCBA) and full turnout gear.

## Section 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Contact 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. Avoid breathing vapor or mist. Provide adequate ventilation. Put on appropriate personal protective equipment. Floors may be slippery; use care to avoid falling.

#### For emergency responders

Entry into a confined space or poorly ventilated area contaminated with vapor, mist or fume is extremely hazardous without the correct respiratory protective equipment and a safe system of work. Wear self-contained breathing apparatus. Wear a suitable chemical protective suit. Chemical resistant boots. See also the information in "For non-emergency personnel".

**Wear appropriate personal protective equipment, as indicated in Section 8.**

### 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. Absorb with an inert material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

## Section 6. Accidental release measures

### Large spill

Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. 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. Contaminated absorbent material may pose the same hazard as the spilled product. Dispose of via a licensed waste disposal contractor.

## Section 7. Handling and storage

### 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 ingest. Avoid breathing vapor or mist. If during normal use the material presents a respiratory hazard, use only with adequate ventilation or wear appropriate respirator. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. 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. Wash thoroughly after handling. Remove contaminated clothing and protective equipment before entering eating areas. Contaminated work clothing should not be allowed out of the workplace. 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 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. Keep container tightly closed and sealed until ready for use. Store and use only in equipment/containers designed for use with this product. 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.

#### Not suitable

Prolonged exposure to elevated temperature

## Section 8. Exposure controls/personal protection

### Control parameters

#### Occupational exposure limits

| Ingredient name | Exposure limits   |
|-----------------|---|
| Canola oil      | <b>OSHA PEL (United States)</b><br>TWA 8 hours: 15 mg/m <sup>3</sup> . Form: Total dust (Vegetable oil Mist). Issued/Revised: 6/1993.<br>TWA 8 hours: 5 mg/m <sup>3</sup> . Form: Respirable fraction (Vegetable oil Mist). Issued/Revised: 6/1993. |

#### Biological exposure indices

No exposure indices known.

#### Appropriate engineering controls

All activities involving chemicals should be assessed for their risks to health, to ensure exposures are adequately controlled. Personal protective equipment should only be considered after other forms of control measures (e.g. engineering controls) have been suitably evaluated. Personal protective equipment should conform to appropriate standards, be suitable for use, be kept in good condition and properly maintained.

Your supplier of personal protective equipment should be consulted for advice on selection and appropriate standards. For further information contact your national organisation for standards.

## Section 8. Exposure controls/personal protection

### Environmental exposure controls

Provide exhaust ventilation or other engineering controls to keep the relevant airborne concentrations below their respective occupational exposure limits. The final choice of protective equipment will depend upon a risk assessment. It is important to ensure that all items of personal protective equipment are compatible.

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 glasses with side shields.

#### Skin protection

##### Hand protection

Wear protective gloves if prolonged or repeated contact is likely. Wear chemical resistant gloves. Recommended: Nitrile gloves. The correct choice of protective gloves depends upon the chemicals being handled, the conditions of work and use, and the condition of the gloves (even the best chemically resistant glove will break down after repeated chemical exposures). Most gloves provide only a short time of protection before they must be discarded and replaced. Because specific work environments and material handling practices vary, safety procedures should be developed for each intended application. Gloves should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

##### Body protection

Use of protective clothing is good industrial practice.

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.

Cotton or polyester/cotton overalls will only provide protection against light superficial contamination that will not soak through to the skin. Overalls should be laundered on a regular basis. When the risk of skin exposure is high (e.g. when cleaning up spillages or if there is a risk of splashing) then chemical resistant aprons and/or impervious chemical suits and boots will be required.

##### 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

In case of insufficient ventilation, wear suitable respiratory equipment.

The correct choice of respiratory protection depends upon the chemicals being handled, the conditions of work and use, and the condition of the respiratory equipment. Safety procedures should be developed for each intended application. Respiratory protection equipment should therefore be chosen in consultation with the supplier/manufacturer and with a full assessment of the working conditions.

## 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                        | Yellow. [Light] |
| Odor                         | Not available.  |
| Odor threshold               | Not available.  |
| pH                           | Not applicable. |
| Melting point/freezing point | Not available.  |

## Section 9. Physical and chemical properties

|   |   |
|---|---|
| <b>Boiling point or initial boiling point and boiling range</b> | Not available.  |
| <b>Flash point</b>  | Closed cup: >200°C (>392°F) [Pensky-Martens ASTM D 93]<br>Open cup: >200°C (>392°F) [Cleveland ASTM D 92] |
| <b>Pour point</b>   | -33 °C  |
| <b>Drop Point</b>   | Not available.  |
| <b>Evaporation rate</b>   | Not available.  |
| <b>Flammability</b>   | Not available.  |
| <b>Lower and upper explosion limit/flammability limit</b>       | Not available.  |
| <b>Vapor pressure</b>   |   |

| Ingredient name                  | Vapor Pressure at 20°C |     |        | Vapor pressure at 50°C |     |        |
|----------------------------------|------------------------|-----|--------|------------------------|-----|--------|
|                                  | mm Hg                  | kPa | Method | mm Hg                  | kPa | Method |
| O,O,O-Triphenyl phosphorothioate | 0                      | 0   |        |                        |     |        |

|                               |   |
|-------------------------------|---|
| <b>Relative vapor density</b> | Not available.  |
| <b>Density</b>                | <1000 kg/m <sup>3</sup> (<1 g/cm <sup>3</sup> ) at 15.6°C |
| <b>Relative density</b>       | Not available.  |
| <b>Solubility(ies)</b>        |   |

| Media | Result      |
|-------|-------------|
| water | Not soluble |

|   |                 |
|---|-----------------|
| <b>Partition coefficient: n-octanol/water</b> | Not applicable. |
|---|-----------------|

| <b>Auto-ignition temperature</b>  |     |     |        |
|---|-----|-----|--------|
| Ingredient name   | °C  | °F  | Method |
| reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate | 365 | 689 |        |

|                                  |  |
|----------------------------------|--|
| <b>Decomposition temperature</b> | Not available.   |
| <b>Viscosity</b>                 | Kinematic: 36 mm <sup>2</sup> /s (36 cSt) at 40°C<br>Kinematic: 8.2 mm <sup>2</sup> /s (8.2 cSt) at 100°C (ASTM D 445) |
| <b>VOC</b>                       | 0.46 g/l   |

|                                 |                 |
|---------------------------------|-----------------|
| <b>Particle characteristics</b> |                 |
| <b>Median particle size</b>     | Not applicable. |

## Section 10. Stability and reactivity

|   |   |
|---|---|
| <b>Reactivity</b>                         | No specific test data available for this product. Refer to Conditions to avoid and Incompatible materials for additional information.                                   |
| <b>Chemical stability</b>                 | The product is stable.  |
| <b>Possibility of hazardous reactions</b> | Under normal conditions of storage and use, hazardous reactions will not occur.<br>Under normal conditions of storage and use, hazardous polymerization will not occur. |
| <b>Conditions to avoid</b>                | Avoid all possible sources of ignition (spark or flame).  |
| <b>Incompatible materials</b>             | Reactive or incompatible with the following materials: oxidizing materials.   |
| <b>Hazardous decomposition products</b>   | 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**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **Rat - Oral - LC50**

>5000 mg/kg  
OECD 401

##### **Rat - Dermal - LC50**

>2000 mg/kg  
OECD 402

### Skin corrosion/irritation

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **Rabbit - Skin - Slightly irritating to the skin.**

OECD 404

### Serious eye damage/eye irritation

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **Rabbit - Eyes - Not irritant**

OECD 405

### Respiratory corrosion/irritation

Not available.

### Respiratory or skin sensitization

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **Guinea pig - skin**

OECD 406

Result: Not sensitizing

### Germ cell mutagenicity

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **In vitro - Bacteria**

OECD 471

Result: Negative

##### **In vitro - Mammalian-Animal**

OECD 487

Result: Negative

##### **In vitro - Mammalian-Animal**

OECD 476

Result: Negative

### Carcinogenicity

Not available.

## Section 11. Toxicological information

### Reproductive toxicity

#### Product/ingredient name

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### Result

##### Rat - Oral

OECD 443

Maternal toxicity: Negative

Fertility effects: Positive

Developmental: Negative

### Specific target organ toxicity (single exposure)

Not available.

### Specific target organ toxicity (repeated exposure)

Not available.

### Aspiration hazard

Not available.

### Information on the likely routes of exposure

Routes of entry anticipated: Oral, Dermal, Inhalation, Eyes.

### Potential acute health effects

#### Eye contact

No known significant effects or critical hazards.

#### Inhalation

No known significant effects or critical hazards.

#### Skin contact

Defatting to the skin. May cause skin dryness and irritation. May cause an allergic skin reaction.

#### Ingestion

No known significant effects or critical hazards.

### Symptoms related to the physical, chemical and toxicological characteristics

#### Eye contact

No specific data.

#### Inhalation

No specific data.

#### Skin contact

Adverse symptoms may include the following:  
irritation  
dryness  
cracking  
reduced fetal weight  
increase in fetal deaths  
skeletal malformations

#### Ingestion

Adverse symptoms may include the following:  
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

## Section 11. Toxicological information

|                                    |                |
|------------------------------------|----------------|
| <b>Potential immediate effects</b> | Not available. |
| <b>Potential delayed effects</b>   | Not available. |

### Potential chronic health effects

Not available.

|                                     |                |
|-------------------------------------|----------------|
| <b>Conclusion/Summary [Product]</b> | Not available. |
|-------------------------------------|----------------|

|                              |   |
|------------------------------|---|
| <b>General</b>               | No known significant effects or critical hazards. |
| <b>Carcinogenicity</b>       | No known significant effects or critical hazards. |
| <b>Mutagenicity</b>          | No known significant effects or critical hazards. |
| <b>Developmental effects</b> | No known significant effects or critical hazards. |
| <b>Fertility effects</b>     | Suspected of damaging fertility.                  |

### Numerical measures of toxicity

#### **Acute toxicity estimates**

N/A

## Section 12. Ecological information

### Toxicity

No testing has been performed by the manufacturer.

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

##### **Acute - ErC50**

OECD 201  
Algae  
>100 mg/l [72 hours]

##### **Acute - EC50**

OECD 202  
Daphnia  
51 mg/l [48 hours]

##### **Acute - LC50**

OECD 203  
Fish  
>100 mg/l [96 hours]

##### **Chronic - EC10**

OECD 211  
Daphnia  
1.69 mg/l [21 days]

##### **Chronic - NOEC**

OECD 201  
Algae  
≥10 mg/l [72 hours]

### Persistence and degradability

Expected to be biodegradable.

#### **Product/ingredient name**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene

#### **Result**

OECD 301B  
1% [28 days]

### Bioaccumulative potential

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**Product code** 469024-US03

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(ENGLISH)

## Section 12. Ecological information

Not available.

| Product/ingredient name   | LogP <sub>ow</sub> | BCF | Potential |
|---|--------------------|-----|-----------|
| Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene | 5.1                | -   | High      |

### Mobility in soil

**Soil/Water partition coefficient**

Not available.

**Mobility**

Liquid. insoluble in water.

### 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. Significant quantities of waste product residues should not be disposed of via the foul sewer but processed in a suitable effluent treatment plant. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

## Section 14. Transport information

|                                   | DOT Classification | TDG Classification | IMDG           | IATA           |
|-----------------------------------|--------------------|--------------------|----------------|----------------|
| <b>UN number</b>                  | Not regulated.     | Not regulated.     | Not regulated. | Not regulated. |
| <b>UN proper shipping name</b>    | -                  | -                  | -              | -              |
| <b>Transport hazard class(es)</b> | -                  | -                  | -              | -              |
| <b>Packing group</b>              | -                  | -                  | -              | -              |
| <b>Environmental hazards</b>      | No.                | No.                | No.            | No.            |
| <b>Additional information</b>     | -                  | -                  | -              | -              |

### Special precautions for user

Not available.

## Section 15. Regulatory information

### Rotterdam Convention on Prior Informed Consent (PIC)

Not listed.

### Other regulations

|   |   |
|---|---|
| <a href="#">Australia inventory (AIIIC)</a>                 | At least one component is not listed.   |
| <a href="#">Canada inventory</a>                            | All components are listed or exempted.  |
| <a href="#">China inventory (IECSC)</a>                     | All components are listed or exempted.  |
| <a href="#">Japan inventory (CSCL)</a>                      | All components are listed or exempted.  |
| <a href="#">Korea inventory (KECI)</a>                      | All components are listed or exempted.  |
| <a href="#">Philippines inventory (PICCS)</a>               | At least one component is not listed.   |
| <a href="#">Taiwan Chemical Substances Inventory (TCSI)</a> | Not determined.   |
| <a href="#">United States inventory (TSCA 8b)</a>           | All components are active or exempted.  |
| <a href="#">REACH Status</a>                                | For the REACH status of this product please consult your company contact, as identified in Section 1. |

## Section 16. Other information

### History

[Date of issue/Date of revision](#) 2/3/2026

[Date of previous issue](#) 31/10/2025.

[Version](#) 8

[Prepared by](#) Product Stewardship

### Key to abbreviations

ATE = Acute Toxicity Estimate  
BCF = Bioconcentration Factor  
CAS Number = Chemical Abstracts Service Registry Number  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
HPR = Hazardous Products Regulations  
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)  
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation [Regulation (EC) No. 1907/2006]  
UN = United Nations  
Varies = may contain one or more of the following 64741-88-4, 64741-89-5, 64741-95-3, 64741-96-4, 64742-01-4, 64742-44-5, 64742-45-6, 64742-52-5, 64742-53-6, 64742-54-7, 64742-55-8, 64742-56-9, 64742-57-0, 64742-58-1, 64742-62-7, 64742-63-8, 64742-65-0, 64742-70-7, 72623-85-9, 72623-86-0, 72623-87-1

### References

Not available.

 Indicates information that has changed from previously issued version.

### Notice to reader

## Section 16. Other information

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