

ROYCO 782 PAF

Version 1.0

Revision Date 04/12/2019

Print Date 04/12/2019

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Trade name : ROYCO 782 PAF
Substance name : Synthetic Lubricant Formulation

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

Use of the Substance/Mixture : Lubricant
Recommended restrictions on use : For industrial use only.

Details of the supplier of the safety data sheet

Company: Supplier
LANXESS Solutions Australia Pty.Ltd.
5 Comserv Cl
West Gosford, NSW 2250
Australia
Telephone : +61 2 4311 9109

Prepared by Product Safety Department
(US) +1 866-430-2775

Further information for the safety data sheet :
MSDSRequest@lanxess.com

Emergency telephone number

Emergency telephone number: +64 9929 1483 (NCEC)

For additional emergency telephone numbers see section 16 of the Safety Data Sheet.

SECTION 2. HAZARDS IDENTIFICATION**GHS Classification**

Toxic to Reproduction : Category B

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Aquatic toxicity (Acute or Chronic) : Category C

GHS label elements

Hazard pictograms : 

Signal word : Warning

Hazard statements : H361 Suspected of damaging fertility or the unborn child.
H412 Harmful to aquatic life with long lasting effects.

Supplemental Hazard Statements :

Precautionary statements : **Prevention:**
P201 Obtain special instructions before use.
P202 Do not handle until all safety precautions have been read and understood.
P273 Avoid release to the environment.
P281 Use personal protective equipment as required.
Response:
P308 + P313 IF exposed or concerned: Get medical advice/ attention.
Storage:
P405 Store locked up.
Disposal:
P501 Dispose of contents/ container to an approved waste disposal plant.

Other hazards which do not result in classification

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

Hazardous components

| Chemical name | CAS-No. | Concentration (% w/w) |
|---|------------|-----------------------|
| 2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol | 118-82-1 | >= 1 - < 10 |
| Phenol, isobutylated, phosphate [Triphenyl phosphate > 25%] | 68937-40-6 | >= 0.25 - < 1 |

Remaining ingredients not hazardous up to 100%.

SECTION 4. FIRST AID MEASURES

General advice : Call a physician or poison control centre immediately.

If inhaled : If inhaled

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| | |
|---|---|
| | <p>Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. In case of bluish discoloration (lips, ear lobes, fingernails), give oxygen as quickly as possible. Get medical attention.</p> |
| In case of skin contact | : In case of skin contact Wash off with soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing before re-use. Get medical attention if irritation develops and persists. |
| In case of eye contact | : In case of eye contact Flush with plenty of water. If eye irritation persists, consult a specialist. |
| If swallowed | : If swallowed, DO NOT induce vomiting. Consult a physician if necessary. |
| Most important symptoms and effects, both acute and delayed | : None known. |
| Notes to physician | : For specialist advice physicians should contact the Poisons Information Service. |

SECTION 5. FIREFIGHTING MEASURES

| | |
|---|--|
| Suitable extinguishing media | : Carbon dioxide (CO ₂) Dry powder Foam Alcohol-resistant foam Water mist |
| Unsuitable extinguishing media | : High volume water jet |
| Specific hazards during fire-fighting | : Burning produces noxious and toxic fumes. |
| Further information | : In the event of fire, cool tanks with water spray. |
| Special protective equipment for firefighters | : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment. |

SECTION 6. ACCIDENTAL RELEASE MEASURES

| | |
|---|---|
| Personal precautions, protective equipment and emergency procedures | : Use personal protective equipment. Ensure adequate ventilation. Remove all sources of ignition. Clean contaminated surface thoroughly. Material can create slippery conditions. |
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- Environmental precautions : Do not flush into surface water or sanitary sewer system.
Do not allow contact with soil, surface or ground water.
- Methods and materials for containment and cleaning up : Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

SECTION 7. HANDLING AND STORAGE

- Advice on safe handling : Keep container closed when not in use.
Do not use pressure to empty drums.
Ensure all equipment is electrically grounded before beginning transfer operations.
- Hygiene measures : Avoid contact with skin, eyes and clothing.
Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.
- Conditions for safe storage : Keep container tightly closed in a dry and well-ventilated place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION
Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis |
|---------------------|----------|-------------------------------|--|--------|
| triphenyl phosphate | 115-86-6 | WES-TWA | 3 mg/m ³ | NZ OEL |

Contains no substances with occupational exposure limit values.

- Engineering measures** : Ensure that eyewash stations and safety showers are close to the workstation location.
Effective exhaust ventilation system

Personal protective equipment

- Respiratory protection : not required under normal use
Breathing apparatus needed only when aerosol or mist is formed.
- Hand protection
- Remarks : Neoprene gloves
- Eye protection : Safety glasses with side-shields
Tightly fitting safety goggles
- Skin and body protection : Impervious clothing

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

| | |
|--|-------------------------------------|
| Appearance | : liquid |
| Colour | : red |
| Odour | : No data available |
| Odour Threshold | : No data available |
| pH | : Not applicable |
| | : No data available |
| | : No data available |
| Flash point | : 232 °C Method: open cup |
| Evaporation rate | : No data available |
| Upper explosion limit | : No data available |
| Lower explosion limit | : No data available |
| Vapour pressure | : No data available |
| Relative vapour density | : No data available |
| Relative density | : 0.85 |
| Density | : No data available |
| Solubility(ies) | |
| Water solubility | : No data available |
| Solubility in other solvents | : No data available |
| Partition coefficient: n-octanol/water | : No data available |
| Auto-ignition temperature | : No data available |
| Decomposition temperature | : No data available |
| Viscosity | |
| Viscosity, kinematic | : 14.3 mm ² /s (40 °C) |
| Self-Accelerating decomposition temperature (SADT) | : Method: No information available. |
| Oxidizing potential | : No information available. |
| Molecular weight | : No data available |

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SECTION 10. STABILITY AND REACTIVITY

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|------------------------------------|---|
| Reactivity | : No dangerous reaction known under conditions of normal use. |
| Chemical stability | : No decomposition if stored and applied as directed. |
| Possibility of hazardous reactions | : Hazardous polymerisation does not occur. Stable under normal conditions. |
| Conditions to avoid | : Contamination Heat, flames and sparks. |
| Incompatible materials | : Oxidizing agents Strong acids and strong bases |
| Hazardous decomposition products | : Carbon oxides |

SECTION 11. TOXICOLOGICAL INFORMATION

| | |
|-----------------|---|
| Exposure routes | : Inhalation Eye contact Skin contact |
|-----------------|---|

Acute toxicity**Components:****2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol:**

| | |
|---------------------|---|
| Acute oral toxicity | : LD50 (Rat, male and female): > 5,000 mg/kg Method: OECD Test Guideline 401 GLP: yes |
|---------------------|---|

| | |
|-----------------------|--|
| Acute dermal toxicity | : LD50 (Rabbit, male and female): > 2,000 mg/kg Method: OECD Test Guideline 402 GLP: yes |
|-----------------------|--|

Chronic toxicity**Aspiration toxicity****Product:**

No aspiration toxicity classification

Further information**Product:**

Remarks: No data is available on the product itself.

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SECTION 12. ECOLOGICAL INFORMATION**Ecotoxicity****Product:**Toxicity to fish :
Remarks: No data availableToxicity to daphnia and other :
aquatic invertebrates Remarks: No data available**Components:****2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol:**Toxicity to fish : LC50 (Cyprinodon variegatus (sheepshead minnow)): > 1,000
mg/l
Exposure time: 96 h
Test Type: static testToxicity to daphnia and other : LC50 (Mysid shrimp): > 1,000 mg/l
aquatic invertebrates Exposure time: 96 h
Test Type: static test**Phenol, isobutyleneated, phosphate [Triphenyl phosphate > 25%]:**Toxicity to fish : LC50 (Fish): 0.8 mg/l
Exposure time: 96 hToxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 0.202 mg/l
aquatic invertebrates Exposure time: 48 hToxicity to fish (Chronic tox- : NOEC: 0.093 mg/l
icity) Exposure time: 90 dToxicity to daphnia and other : NOEC: 0.0399 mg/l
aquatic invertebrates (Chron- Exposure time: 21 d
ic toxicity)**Persistence and degradability****Product:**

Biodegradability : Result: No data available

Components:**Phenol, isobutyleneated, phosphate [Triphenyl phosphate > 25%]:**Biodegradability : GLP: yes
Remarks: Readily biodegradable.**Bioaccumulative potential****Product:**

Bioaccumulation : Remarks: No data available

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Components:

2,2',6,6'-tetra-tert-butyl-4,4'-methylenediphenol:

Partition coefficient: n- : log Pow: 6.24 (20 °C)
octanol/water GLP: yes

Phenol, isobutylenated, phosphate [Triphenyl phosphate > 25%]:

Bioaccumulation : Species: Lepomis macrochirus (Bluegill sunfish)
Bioconcentration factor (BCF): 1,850

Partition coefficient: n- : log Pow: 4.68 (25 °C)
octanol/water

Mobility in soil

Product:

Mobility : Remarks: No data available

Other adverse effects

Product:

Results of PBT and vPvB : This mixture contains no substance considered to be persis-
assessment tent, bioaccumulating and toxic (PBT).

Additional ecological infor- : There is no data available for this product.
mation

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal methods

Waste from residues : Dispose of as hazardous waste in compliance with local and
national regulations.
Dispose of wastes in an approved waste disposal facility.
Do not contaminate ponds, waterways or ditches with chemi-
cal or used container.
Do not dispose of waste into sewer.

Contaminated packaging : Do not burn, or use a cutting torch on, the empty drum.

SECTION 14. TRANSPORT INFORMATION

International Regulations

UNRTDG

Not regulated as a dangerous good

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

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

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Not applicable for product as supplied.

National Regulations**NZS 5433**

Not regulated as a dangerous good

SECTION 15. REGULATORY INFORMATION**Safety, health and environmental regulations/legislation specific for the substance or mixture****HSNO Approval Number**

HSR002606

HSNO hazard classification

6.8B (Toxic to Reproduction)

9.1C (Aquatic toxicity (Acute or Chronic))

HSNO Controls

Certified handler certificate not required.

HSW tracking not required.

Refer to WORKSAFE user guide to the HSW regulations for further information.

Please note that Section 3 of this document lists only the hazardous components required by the specific country or region hazard communication regulations. The chemical identifiers listed in Section 3 are used globally for hazard communication purposes and may not reflect those used for chemical inventory coverage in a particular country or region. The chemical inventory information given in Section 15 of this document applies to the product as a whole and should be used when evaluating inventory compliance.

The components of this product are reported in the following inventories:

| | |
|-------|--|
| DSL | : All components of this product are on the Canadian DSL |
| AICS | : On the inventory, or in compliance with the inventory |
| NZIoC | : On the inventory, or in compliance with the inventory |
| ENCS | : On the inventory, or in compliance with the inventory |
| KECI | : On the inventory, or in compliance with the inventory |
| PICCS | : On the inventory, or in compliance with the inventory |
| IECSC | : On the inventory, or in compliance with the inventory |
| TCSI | : On the inventory, or in compliance with the inventory |

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US.TSCA : All substances listed as active on the TSCA inventory

SECTION 16. OTHER INFORMATION

Emergency Phone Number

| | | |
|------------------------------|--|-----------------------------|
| <u>Europe:</u> | All European Countries | +44 (0) 1235 239 670 (NCEC) |
| | | |
| <u>Asia Pacific:</u> | East / South East Asia – Regional Number | +65 3158 1074 (NCEC) |
| | Australia | +61 2 8014 4558 |
| | New Zealand | +64 9929 1483 (NCEC) |
| | China | +86 512 8090 3042 (NCEC) |
| | Taiwan | +886 2 8793 3212 (NCEC) |
| | Japan | +81 3 4578 9341 (NCEC) |
| | Indonesia | 007 803 011 0293 (NCEC) |
| | Malaysia | +60 3 6207 4347 (NCEC) |
| | Thailand | 001 800 120 666 751 (NCEC) |
| | Korea | +65 3158 1285 (NCEC) |
| | Vietnam | +84 8 4458 2388 (NCEC) |
| | India | +65 3158 1198 (NCEC) |
| | Pakistan | +65 3158 1329 (NCEC) |
| | Philippines | +65 3158 1203 (NCEC) |
| | Sri Lanka | +65 3158 1195 (NCEC) |
| | Bangladesh | +65 3158 1200 (NCEC) |
| | | |
| <u>Middle East / Africa:</u> | | +44 (0) 1235 239 671 (NCEC) |
| | | |
| <u>North America</u> | United States of America (USA) | (800) 424-9300 (CHEMTREC) |
| | Canada | (800) 424-9300 (CHEMTREC) |
| | | |
| <u>Latin America</u> | Mexico | +52 555 004 8763 (NCEC) |
| | Brazil | +55 11 3197 5891 (NCEC) |
| | Chile | +56 2 2582 9336 (NCEC) |
| | All other countries | +44 (0) 1235 239 670 (NCEC) |

Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for

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Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organization for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

Date format : dd.mm.yyyy

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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