

According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name : ROYCO 560 PRF-23699F

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

Use of the Sub-

stance/Mixture

: Lubricant

Recommended restrictions

on use

: Reserved for industrial and professional use.

1.3 Details of the supplier of the safety data sheet

Company: Supplier

LANXESS Solutions UK Ltd. Tenax Road, Trafford Park

Manchester United Kingdom M17 1WT

Customer Service: +44 161 875 3800

Prepared by Production, Technology, Safety & Environment

+4922188852288

Further information for the safety data sheet : in-

fosds@lanxess.com

1.4 Emergency telephone number

+44 (0) 1235 239 670 (NCEC)

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

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (GB CLP)



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Long-term (chronic) aquatic hazard, Cat-

egory 3

H412: Harmful to aquatic life with long lasting ef-

tects.

2.2 Label elements

Labelling (GB CLP)

Hazard statements : H412 Harmful to aquatic life with long lasting effects.

Precautionary statements : Prevention:

P273 Avoid release to the environment.

Disposal:

P501 Dispose of contents/ container to an approved waste

disposal plant.

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Components

Chemical name	CAS-No. EC-No. Index-No. Registration number	Classification	Concentration (% w/w)
Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl)	1330-78-5 809-930-9 01-2119531335-46- 0000, UK-01- 0989997723-6-0001	Repr. 2; H361f Aquatic Acute 1; H400 Aquatic Chronic 1; H410 M-Factor (Acute aquatic toxicity): 1 M-Factor (Chronic aquatic toxicity): 1	>= 1 - < 2.5
N-phenyl-1,1,3,3- tetramethylbutylnaphthalen-1- amine	68259-36-9 269-527-3	Aquatic Chronic 4; H413	>= 1 - < 2.5

For explanation of abbreviations see section 16.

SECTION 4: First aid measures

4.1 Description of first aid measures



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

Date of last issue: 25.05.2021 Version Revision Date: SDS Number: 25.05.2021 40000001741 Date of first issue: 25.05.2021 1.1

Protection of first-aiders First Aid responders should pay attention to self-protection

and use the recommended protective clothing

If potential for exposure exists refer to Section 8 for specific

personal protective equipment.

If inhaled : If inhaled

Move to fresh air.

If breathing is difficult, give oxygen.

Get medical attention if irritation develops and persists.

In case of skin contact : In case of skin contact

> Wash off with soap and water. If symptoms persist, call a physician.

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.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms None known.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment For specialist advice physicians should contact the Poisons

Information Service.

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide (CO2)

> Dry powder Foam

Alcohol-resistant foam

Water mist

Unsuitable extinguishing

media

High volume water jet

5.2 Special hazards arising from the substance or mixture

fighting

Specific hazards during fire- : Burning produces noxious and toxic fumes.

5.3 Advice for firefighters

Special protective equipment : In the event of fire, wear self-contained breathing apparatus.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Further information : In the event of fire, cool tanks with water spray.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Use personal protective equipment.

Ensure adequate ventilation. Remove all sources of ignition.

Clean contaminated surface thoroughly. Material can create slippery conditions.

6.2 Environmental precautions

Environmental precautions : Should not be released into the environment.

Do not contaminate water.

Do not flush into surface water or sanitary sewer system.

6.3 Methods and material for containment and cleaning up

Methods for 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).

6.4 Reference to other sections

Refer to protective measures listed in sections 7 and 8.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Handle in accordance with good industrial hygiene and safety

practice.

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. Provide adequate

ventilation. Do not breathe dust or spray mist.

Dust explosion class : No data available

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

: Keep container tightly closed in a dry and well-ventilated

place.

Further information on stor- : Stable under recommended storage conditions.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

age stability

7.3 Specific end use(s)

Specific use(s) : Raw material for industry

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health ef- fects	Value
Reaction mass of 3- Methylphenyl di-4- methylphenyl Phos- phate and 4- Methylphenyl di-3- methylphenyl Phos- phate and tris(3- methylphenyl)	Workers	Skin contact	Long-term systemic effects	0.41 mg/kg bw/day
	Workers	Inhalation	Long-term systemic effects	0.18 mg/m3
	General expo- sures	Skin contact	Long-term systemic effects	0.15 mg/kg bw/day
	General expo- sures	Inhalation	Long-term systemic effects	0.03 mg/m3
	General exposures	Ingestion	Long-term systemic effects	0.02 mg/kg bw/day
Benzenamine, N- phenyl-, reaction products with 2,4,4- trimethylpentene	Workers	Dermal	Long-term systemic effects	0.62 mg/kg
	Workers	Inhalation	Long-term systemic effects, Systemic effects	4.37 mg/m3
	General expo- sures	Skin contact	Chronic effects, Systemic effects	0.31 mg/kg
	General expo- sures	Inhalation	Chronic effects, Systemic effects	1.09 mg/m3
	General expo- sures	Ingestion	Chronic effects, Systemic effects	0.31 mg/kg

Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
Reaction mass of 3-Methylphenyl	Fresh water	0.001 mg/l
di-4-methylphenyl Phosphate		



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

and 4-Methylphenyl di-3- methylphenyl Phosphate and tris(3-methylphenyl)		
	Marine water	0.0001 mg/l
	Fresh water sediment	2.05 mg/kg
	Marine sediment	0.205 mg/kg
	STP	100 mg/l
	Oral	0.65 mg/kg
	Soil	1.01 mg/kg
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	Fresh water	0.051 mg/l
	Marine water	0.0051 mg/l
	Fresh water sediment	9320 mg/kg
	Marine sediment	932 mg/kg
	Soil	1860 mg/kg
	STP	1 mg/l

8.2 Exposure controls

Engineering measures

Use with adequate ventilation.

Local ventilation is needed in the presence of airborne mists.

Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protective equipment

Eye protection : Safety glasses with side-shields

Tightly fitting safety goggles

Hand protection

Remarks : Neoprene gloves
Skin and body protection : Impervious clothing

Respiratory protection : not required under normal use

Breathing apparatus needed only when aerosol or mist is

formed.

When using this product at elevated temperatures, wear a

respirator with a vapour filter.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance : liquid
Colour : amber
Odour : mild

Odour Threshold : No data available

pH : No data available

Melting point/range : Not applicable

Boiling point/boiling range : No data available



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Flash point : > 246 °C

Method: ASTM D 92

Evaporation rate : No data available

Upper explosion limit / Upper

flammability limit

No data available

Lower explosion limit / Lower

flammability limit

: No data available

Vapour pressure : No data available

Relative vapour density : No data available

Relative density : 1.0

Density : 1.001 g/cm3 (20 °C)

Solubility(ies)

Water solubility : slightly soluble Solubility in other solvents : No data available

Partition coefficient: n-

octanol/water

: No data available

Auto-ignition temperature : not determined

Decomposition temperature : No data available

Viscosity

Viscosity, dynamic : No data available

Viscosity, kinematic : No data available

9.2 Other information

Self-Accelerating decomposi-

tion temperature (SADT)

Method: No information available.

Oxidizing potential : No information available.

Dust explosion class : No data available

Metal corrosion rate : No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reaction known under conditions of normal use.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : Hazardous polymerisation does not occur.

10.4 Conditions to avoid

Conditions to avoid : Heat

Contamination

10.5 Incompatible materials

Materials to avoid : Strong acids and strong bases

10.6 Hazardous decomposition products

Carbon oxides

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Product:

Acute oral toxicity : Remarks: Not classified due to lack of data.

Acute inhalation toxicity : Remarks: Not classified due to lack of data.

Acute dermal toxicity : Remarks: Not classified due to lack of data.

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl):

Acute oral toxicity : LD50 (Rat, male and female): < 20,000 mg/kg

Acute inhalation toxicity : LC50 (Rat, male and female): > 5.2 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Assessment: The substance or mixture has no acute inhala-

tion toxicity

Remarks: An LC50/inhalation/4h/rat could not be determined because no mortality of rats was observed at the maximum

achievable concentration.

Acute dermal toxicity : LD50 (Rabbit, male and female): 3,700 mg/kg

GLP: no

Assessment: The component/mixture is minimally toxic after



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

single contact with skin.

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Acute oral toxicity : LD50 (Rat): > 5,000 mg/kg

Skin corrosion/irritation

Product:

Remarks : Not classified due to lack of data.

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl):

Species : Rabbit Exposure time : 24 h Method : Draize Test

GLP : no

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Species : Rabbit

Result : No skin irritation

Serious eye damage/eye irritation

Product:

Remarks : Not classified due to lack of data.

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl):

Species : Rabbit Exposure time : 24 h

Result : No eye irritation

GLP : no

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Species : Rabbit

Result : No eye irritation

Respiratory or skin sensitisation

Product:

Remarks : Not classified due to lack of data.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

Date of last issue: 25.05.2021 Version Revision Date: SDS Number: 40000001741 Date of first issue: 25.05.2021 25.05.2021 1.1

Components:

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

: Maximisation Test **Species** Guinea pig

Assessment Did not cause sensitisation on laboratory animals.

Method : OECD Test Guideline 406

Germ cell mutagenicity

Product:

Germ cell mutagenicity- As-

: Not classified due to lack of data.

sessment

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3methylphenyl Phosphate and tris(3-methylphenyl):

Germ cell mutagenicity- As- : In vitro tests did not show mutagenic effects

sessment

Carcinogenicity

Product:

Carcinogenicity - Assess-

: Not classified due to lack of data.

ment

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3methylphenyl Phosphate and tris(3-methylphenyl):

Carcinogenicity - Assess-

: Animal testing did not show any carcinogenic effects.

ment

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Carcinogenicity - Assess-: Animal testing did not show any carcinogenic effects.

ment

Reproductive toxicity

Product:

Reproductive toxicity - As-: Not classified due to lack of data.

sessment

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3methylphenyl Phosphate and tris(3-methylphenyl):

Effects on fertility Species: Mouse, male and female

Application Route: Oral



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Dose: 62.5 - 124 - 250 milligram per kilogram

General Toxicity - Parent: LOAEL: 62.5 mg/kg body weight General Toxicity F1: LOAEL: 62.5 mg/kg body weight

Target Organs: Testes

GLP: no

Effects on foetal develop-

ment

Test Type: Embryo-foetal development

Species: Rat, female Application Route: Oral

Dose: 20 - 100 - 400 - 750 milligram per kilogram

Duration of Single Treatment: 28 h

General Toxicity Maternal: NOEL: 20 mg/kg body weight Developmental Toxicity: LOAEL: 20 mg/kg body weight

Method: OPPTS 870.3700

GLP: yes

Reproductive toxicity - As-

sessment

Suspected of damaging fertility or the unborn child., Suspect-

ed human reproductive toxicant

Did not show teratogenic effects in animal experiments.

STOT - single exposure

Product:

Assessment : Not classified due to lack of data.

STOT - repeated exposure

Product:

Assessment : Not classified due to lack of data.

Aspiration toxicity

Product:

No aspiration toxicity classification

Further information

Product:

Remarks : No data is available on the product itself.



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

Date of last issue: 25.05.2021 Version Revision Date: SDS Number: 25.05.2021 40000001741 Date of first issue: 25.05.2021 1.1

SECTION 12: Ecological information

12.1 Toxicity

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3methylphenyl Phosphate and tris(3-methylphenyl):

: LC50 (Oncorhynchus mykiss (rainbow trout)): 0.75 mg/l Toxicity to fish

Exposure time: 96 h

LC50 (Pimephales promelas (fathead minnow)): > 100 mg/l

Exposure time: 96 h

LC50 (Oncorhynchus mykiss (rainbow trout)): 0.6 mg/l

Exposure time: 96 h

Toxicity to daphnia and other :

aquatic invertebrates

EC50 (Daphnia magna (Water flea)): 0.146 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

EC50 (Daphnia magna (Water flea)): 0.27 mg/l

Exposure time: 48 h

M-Factor (Acute aquatic tox-

icity)

Toxicity to microorganisms : EC50 (activated sludge): > 100 mg/l

Exposure time: 3 h

Test Type: Respiration inhibition

M-Factor (Chronic aquatic

toxicity)

1

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Toxicity to fish : LC50 (Danio rerio (zebra fish)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 203

aquatic invertebrates

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

Toxicity to algae/aquatic

plants

: EC50 (Green algae (Scenedesmus subspicatus)): > 100 mg/l

Exposure time: 96 h

Method: OECD Test Guideline 201



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Ecotoxicology Assessment

Chronic aquatic toxicity : May cause long lasting harmful effects to aquatic life.

12.2 Persistence and degradability

Components:

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Biodegradability : Result: According to the results of tests of biodegradability this

product is not readily biodegradable.

Biodegradation: 0 % Exposure time: 28 d

Method: Modified Sturm Test

12.3 Bioaccumulative potential

Product:

Bioaccumulation : Remarks: No data available

Components:

Reaction mass of 3-Methylphenyl di-4-methylphenyl Phosphate and 4-Methylphenyl di-3-methylphenyl Phosphate and tris(3-methylphenyl):

Partition coefficient: n-

octanol/water

: Pow: 5.93

N-phenyl-1,1,3,3-tetramethylbutylnaphthalen-1-amine:

Bioaccumulation : Bioconcentration factor (BCF): < 500

Remarks: Does not accumulate in organisms.

Partition coefficient: n-

octanol/water

log Pow: > 6 (20 - 25 °C)

12.4 Mobility in soil

Product:

Mobility : Remarks: No data available

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered

to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of

0.1% or higher...



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

12.6 Other adverse effects

Product:

Endocrine disrupting poten-

tial

: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation

(EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Additional ecological infor-

mation

An environmental hazard cannot be excluded in the event of

unprofessional handling or disposal.

Harmful to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : In accordance with local and national regulations.

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

SECTION 14: Transport information

14.1 UN number

Not regulated as a dangerous good

14.2 UN proper shipping name

Not regulated as a dangerous good

14.3 Transport hazard class(es)

Not regulated as a dangerous good

14.4 Packing group

Not regulated as a dangerous good

14.5 Environmental hazards

Not regulated as a dangerous good

14.6 Special precautions for user

Not applicable

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable for product as supplied.

SECTION 15: Regulatory information

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

REACH - Candidate List of Substances of Very High : This product does not contain sub-



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

Concern for Authorisation (Article 59). stances of very high concern (Regu-

lation (EC) No 1907/2006 (REACH),

Article 57).

REACH - List of substances subject to authorisation : Not applicable

(Annex XIV)

Regulation (EC) No 1005/2009 on substances that de- : Not applicable

plete the ozone layer

Regulation (EU) 2019/1021 on persistent organic pollu-

tants (recast)

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

Not applicable

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 : Not in compliance with the inventory

KECI : Not in compliance with the inventory

PICCS : Not 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

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

15.2 Chemical safety assessment

No information available.

SECTION 16: Other information

Full text of H-Statements

H361f : Suspected of damaging fertility. H400 : Very toxic to aquatic life.

H410 : Very toxic to aquatic life with long lasting effects.
H413 : May cause long lasting harmful effects to aquatic life.

Full text of other abbreviations

Aquatic Acute : Short-term (acute) aquatic hazard
Aquatic Chronic : Long-term (chronic) aquatic hazard

Repr. : Reproductive toxicity



According to REACH Regulation (EC) No 1907/2006, as amended by UK REACH Regulations SI 2019/758

ROYCO 560 PRF-23699F

 Version
 Revision Date:
 SDS Number:
 Date of last issue: 25.05.2021

 1.1
 25.05.2021
 400000001741
 Date of first issue: 25.05.2021

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN -Standard of the German Institute for Standardisation: DSL - Domestic Substances List (Canada): ECHA - European Chemicals Agency; EC-Number - European Community number; 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; 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 Organisation 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; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; 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; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS -Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

Further information

Classification of the mixture: Classification procedure:

Aquatic Chronic 3 H412 Calculation method

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.

GB / EN