SAFETY DATA SHEET
ANTRANCINE 54

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

1.1. Product identifier

Product name ANTRANCINE 54

Product number 12168

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

Identified uses Antioxidant Food / Feed additive Cosmetics

1.3. Details of the supplier of the safety data sheet

Supplier

Univar
Aquarius House
6 Mid Point Business Park
Bradford
BD3 7AY
+44 1274 267300
+44 1274 267306
sds@univar.com

1.4. Emergency telephone number

Emergency telephone SGS - +32 (0)3 575 55 55 (24h)

Sds No. 12168

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Not Classified

Health hazards Eye Irrit. 2 - H319

Environmental hazards Aquatic Chronic 3 - H412

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements P273 Avoid release to the environment.
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P501 Dispose of contents/ container in accordance with national regulations.

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

MONOPROPYLENE GLYCOL **60-100%**

CAS number: 57-55-6 EC number: 200-338-0 REACH registration number: 01-2119456809-23-XXXX

Classification
Not Classified

TERT - BUTYL -4 - METHOXYPHENOL **10-30%**

CAS number: 25013-16-5 EC number: 246-563-8 REACH registration number: 01-2119935245-39-XXXX

Classification
Acute Tox. 4 - H302
Aquatic Chronic 2 - H411

CITRIC ACID **10-30%**

CAS number: 5949-29-1 EC number: 201-069-1 REACH registration number: 01-2119457026-42-XXXX

Classification
Eye Irrit. 2 - H319

The full text for all hazard statements is displayed in Section 16.

Composition comments The data shown are in accordance with the latest EC Directives.

SECTION 4: First aid measures

4.1. Description of first aid measures

Inhalation Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention.

Ingestion Rinse mouth thoroughly with water. Get medical attention.

Skin contact Rinse immediately with plenty of water. Get medical attention if any discomfort continues.

Eye contact Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Get medical attention immediately. Continue to rinse.

4.2. Most important symptoms and effects, both acute and delayed

Eye contact Severe irritation, burning and tearing.

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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor No recommendation given, but first aid may still be required in case of accidental exposure, inhalation or ingestion of this chemical. If in doubt, GET MEDICAL ATTENTION PROMPTLY!

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with foam, carbon dioxide or dry powder.

5.2. Special hazards arising from the substance or mixture

Specific hazards Carbon monoxide (CO). Carbon dioxide (CO_2).

5.3. Advice for firefighters

Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Avoid the spillage or runoff entering drains, sewers or watercourses. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a well-ventilated place. Protect from light.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

MONOPROPYLENE GLYCOL

Long-term exposure limit (8-hour TWA): WEL 10 mg/m³ particulate
Long-term exposure limit (8-hour TWA): WEL 150 ppm 474 mg/m³ total vapour and particulates
WEL = Workplace Exposure Limit

Ingredient comments No exposure limits known for ingredient(s).

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MONOPROPYLENE GLYCOL (CAS: 57-55-6)

DNEL

General population - Inhalation; Long term systemic effects: 50 mg/m³
General population - Inhalation; Long term local effects: 10 mg/m³
Workers - Inhalation; Long term systemic effects: 168 mg/m³
Workers - Inhalation; Long term local effects: 10 mg/m³
General population - Dermal; Long term systemic effects: 213 mg/m³
General population - Oral; Long term systemic effects: 85 mg/m³

PNEC

- Fresh water; 260 mg/l
- Marine water; 26 mg/l
- STP; 20000 mg/l
- Sediment (Freshwater); 572 mg/kg
- Sediment (Marinewater); 57.2 mg/kg
- Soil; 50 mg/kg
- Intermittent release; 183 mg/l

CITRIC ACID (CAS: 5949-29-1)

Ingredient comments

No exposure limits known for ingredient(s).

PNEC

- Fresh water; 0.44 mg/l
- Marine water; 0.044 mg/l
- Sediment (Freshwater); 7.52 mg/kg
- Sediment (Marinewater); 0.752 mg/kg
- Soil; 29.2 mg/kg

TERT - BUTYL -4 - METHOXYPHENOL (CAS: 25013-16-5)

PNEC

Fresh water; 0.002 mg/l
Marine water; 0 mg/l
STP; 1.04 mg/l
Sediment (Freshwater); 28.539 mg/kg
Sediment (Marinewater); 28.539 mg/kg
Soil; 13.376 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

The following protection should be worn: Chemical splash goggles. Personal protective equipment for eye and face protection should comply with European Standard EN166.

Hand protection

The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. The selected gloves should have a breakthrough time of at least 1 hours. Polyvinyl chloride (PVC). Nitrile rubber. glove thickness > 0.1mm To protect hands from chemicals, gloves should comply with European Standard EN374.

Other skin and body protection

Wear rubber apron. Wear rubber footwear.

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Hygiene measures	Wash hands after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn. EN 136/140/141/145/143/149

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Clear liquid.
Colour	Colourless to pale yellow.
Odour	Characteristic.
Odour threshold	No information available.
pH	No information available.
Melting point	No information available.
Initial boiling point and range	No information available.
Flash point	> 100°C
Evaporation rate	No information available.
Evaporation factor	No information available.
Flammability (solid, gas)	No information available.
Upper/lower flammability or explosive limits	No information available.
Other flammability	No information available.
Vapour pressure	No information available.
Vapour density	No information available.
Relative density	1.109 - 1.119 @ 20°C
Bulk density	No information available.
Solubility(ies)	No information available.
Auto-ignition temperature	No information available.
Decomposition Temperature	No information available.
Viscosity	No information available.
Explosive properties	No information available.
Explosive under the influence of a flame	No information available.
Oxidising properties	No information available.

9.2. Other information

Other information	Not determined.
Refractive index	1.462 - 1.486
Particle size	No information available.
Molecular weight	No information available.

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Volatility	No information available.
Saturation concentration	No information available.
Critical temperature	No information available.
Volatile organic compound	No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures. Avoid the following conditions: Light. Avoid heat.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions Not determined.

10.4. Conditions to avoid

Conditions to avoid Avoid heat.

10.5. Incompatible materials

Materials to avoid Strong oxidising agents. Strong acids. Strong alkalis.

10.6. Hazardous decomposition products

Hazardous decomposition products Fire creates: Carbon monoxide (CO). Carbon dioxide (CO_2).

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

ATE oral (mg/kg) 7,333.33

Skin corrosion/irritation

Animal data No information available.

Serious eye damage/irritation

Serious eye damage/irritation No information available.

Respiratory sensitisation

Respiratory sensitisation No information available.

Skin sensitisation

Skin sensitisation No information available.

Germ cell mutagenicity

Genotoxicity - in vitro No information available.

Carcinogenicity

Carcinogenicity No information available.

Reproductive toxicity

Reproductive toxicity - fertility No information available.

Specific target organ toxicity - single exposure

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STOT - single exposure	No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	No information available.

Aspiration hazard

Aspiration hazard	No information available.

Inhalation	May cause respiratory system irritation.
Ingestion	May cause discomfort if swallowed.
Skin contact	Liquid may irritate skin.
Eye contact	Risk of serious damage to eyes. Severe irritation, burning and tearing.

Toxicological information on ingredients.

MONOPROPYLENE GLYCOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	22,000.0
Species	Rat
Notes (oral LD_{50})	LD_{50} 22000 mg/kg, Oral, Rat LD_{50} 19700 mg/kg, Oral, Guinea pig
ATE oral (mg/kg)	22,000.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} > 2000 mg/kg, Dermal, Rabbit

Acute toxicity - inhalation

Notes (inhalation LC_{50})	LC_{50} 41 mg/l, Inhalation, Rat

Skin corrosion/irritation

Animal data	Not irritating. Rabbit OECD 404

Serious eye damage/irritation

Serious eye damage/irritation	Not irritating. Rabbit OECD 405

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	Not sensitising. Guinea pig OECD 406

Germ cell mutagenicity

Genotoxicity - in vitro	This substance has no evidence of mutagenic properties. Ames test Negative. OECD 473

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

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Reproductive toxicity - fertility	This substance has no evidence of toxicity to reproduction.

Specific target organ toxicity - single exposure

STOT - single exposure	No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	No information available.

Aspiration hazard

Aspiration hazard	No information available.

Inhalation	Gas or vapour in high concentrations may irritate the respiratory system.
Ingestion	May cause discomfort if swallowed.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	May cause temporary eye irritation.

TERT - BUTYL -4 - METHOXYPHENOL

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg)	1,100.0
Species	Rat
Notes (oral LD_{50})	Harmful if swallowed.
ATE oral (mg/kg)	1,100.0

Acute toxicity - dermal

Notes (dermal LD_{50})	LD_{50} >2000 mg/kg, Dermal, Rabbit

Skin corrosion/irritation

Animal data	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Based on available data the classification criteria are not met.

Respiratory sensitisation

Respiratory sensitisation	Based on available data the classification criteria are not met.

Skin sensitisation

Skin sensitisation	Based on available data the classification criteria are not met.

Germ cell mutagenicity

Genotoxicity - in vitro	Based on available data the classification criteria are not met.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

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Reproductive toxicity - fertility	Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure	Based on available data the classification criteria are not met.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure	Based on available data the classification criteria are not met.

Aspiration hazard

Aspiration hazard	Based on available data the classification criteria are not met.

Inhalation	Dust in high concentrations may irritate the respiratory system.
Ingestion	Harmful if swallowed.
Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	May cause temporary eye irritation.

CITRIC ACID

Acute toxicity - oral

Notes (oral LD_{50})	LD_{50} 5400 mg/kg, Oral, Mouse

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,000.0
Species	Rat
Notes (dermal LD_{50})	LD_{50} > 2000 mg/kg, Dermal, Rat

Skin corrosion/irritation

Skin corrosion/irritation	May cause skin irritation.

Serious eye damage/irritation

Serious eye damage/irritation	Irritating to eyes.

Respiratory sensitisation

Respiratory sensitisation	No information available.

Skin sensitisation

Skin sensitisation	No information available.

Germ cell mutagenicity

Genotoxicity - in vitro	Negative.
Genotoxicity - in vivo	Negative.

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met.

Reproductive toxicity

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Reproductive toxicity - fertility Based on available data the classification criteria are not met.

Specific target organ toxicity - single exposure

STOT - single exposure No information available.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No information available.

Aspiration hazard

Aspiration hazard Based on available data the classification criteria are not met.

Inhalation Dust in high concentrations may irritate the respiratory system.

Ingestion May cause discomfort if swallowed.

Skin contact Powder may irritate skin.

Eye contact Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

TERT - BUTYL -4 - METHOXYPHENOL

Ecotoxicity Toxic to aquatic life with long lasting effects.

CITRIC ACID

Ecotoxicity The product components are not classified as environmentally hazardous. However, large or frequent spills may have hazardous effects on the environment.

12.1. Toxicity

Toxicity The product contains a substance which is harmful to aquatic organisms and which may cause long-term adverse effects in the aquatic environment.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Acute aquatic toxicity

Acute toxicity - fish LC50, 96 hours: 40613 mg/l, Oncorhynchus mykiss (Rainbow trout)
LC_{50}, 96 hour: 55770 mg/l, Pimephales promelas (Fat-head Minnow)

Acute toxicity - aquatic invertebrates EC_{50}, 48 hours: > 4000 mg/l, Daphnia magna

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Acute toxicity - aquatic plants	EC_{50}, 96 hours: 19000 mg/l, Scenedesmus subspicatus EC_{50}, 96 hour: 19100 mg/l, Skeletonema costatum NOEC, 96 hour: 15000 mg/l, Scenedesmus subspicatus NOEC, 14 day: < 5300 mg/l, Skeletonema costatum
Acute toxicity - microorganisms	NOEC, 18 hour: > 20000 mg/l, Pseudomonas putida

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 7 days: 13020 mg/l, Daphnia magna NOEC, 7 day: 29000 mg/l, Freshwater invertebrates Ceriodaphnia sp.

TERT - BUTYL -4 - METHOXYPHENOL

Toxicity	Toxic to aquatic life with long lasting effects.

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 24 hours: 5.6 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 29 mg/l, Daphnia magna
Acute toxicity - aquatic plants	ErC50, 72 hours: 9.05 mg/l, Algae NOEC, 72 hours: 0.25 mg/l, Algae
Acute toxicity - microorganisms	EC_{50}, 24 hours: 49.551 mg/l,

Chronic aquatic toxicity

Chronic toxicity - fish early life stage	LC_{50}, 24 hours: 5.6 mg/l, Fish
Chronic toxicity - aquatic invertebrates	EC_{50}, 21 days: 1.29 mg/l, Daphnia magna

CITRIC ACID

Acute aquatic toxicity

Acute toxicity - fish	LC_{50}, 96 hours: 440 - 706 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, : 1535 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability There are no data on the degradability of this product.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Persistence and degradability	The substance is readily biodegradable.

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Biodegradation	- Degradation >81%: 28 days OECD 301F - Degradation 96%: 64 days
Biological oxygen demand	BOD5: 1170 mg O_2/l
Chemical oxygen demand	4700 mg O_2/l

TERT - BUTYL -4 - METHOXYPHENOL

Persistence and degradability	The product is readily biodegradable.

CITRIC ACID

Persistence and degradability	The product is biodegradable.
Biological oxygen demand	0.526 g O_2/g substance
Chemical oxygen demand	0.728 g O_2/g substance

12.3. Bioaccumulative potential

Bioaccumulative potential No data available on bioaccumulation.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Bioaccumulative potential	The product is not bioaccumulating. BCF: < 0.09,
Partition coefficient	log Pow: -1.07

TERT - BUTYL -4 - METHOXYPHENOL

Bioaccumulative potential	BCF: 57.07,
Partition coefficient	log Kow: 2.8

CITRIC ACID

Bioaccumulative potential	The product does not contain any substances expected to be bioaccumulating.
Partition coefficient	log Pow: -1.8 - -0.2 log Pow: ~ -1.72

12.4. Mobility in soil

Mobility Not determined.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Mobility	The product is soluble in water.
Adsorption/desorption coefficient	- Koc: 2.9 @ 20°C - Log Koc: 0.46 @ 20°C
Henry's law constant	0.00566 atm m3/mol @ 12°C

TERT - BUTYL -4 - METHOXYPHENOL

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Mobility The product is insoluble in water.

CITRIC ACID

Mobility The product is soluble in water.

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment This product does not contain any substances classified as PBT or vPvB.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

TERT - BUTYL -4 - METHOXYPHENOL

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

CITRIC ACID

Results of PBT and vPvB assessment This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

Other adverse effects Not determined.

Ecological information on ingredients.

MONOPROPYLENE GLYCOL

Other adverse effects No information required.

TERT - BUTYL -4 - METHOXYPHENOL

Other adverse effects Not determined.

CITRIC ACID

Other adverse effects Not determined.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Waste should be treated as controlled waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Avoid the spillage or runoff entering drains, sewers or watercourses.

SECTION 14: Transport information

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number

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Not applicable.

14.2. UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

No transport warning sign required.

14.4. Packing group

Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant
No.

14.6. Special precautions for user

Not applicable.

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

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not applicable.

SECTION 15: Regulatory information

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

EU legislation	Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 2015/830 of 28 May 2015.
Authorisations (Title VII Regulation 1907/2006)	This product is/contains a substance that is included in REGULATION (EC) No 1907/2006 (REACH) ANNEX XIV - LIST OF SUBSTANCES SUBJECT TO AUTHORISATION. Entry number: 3

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

ANTRANCINE 54

Abbreviations and acronyms used in the safety data sheet

ATE: Acute Toxicity Estimate.
ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.
CAS: Chemical Abstracts Service.
DNEL: Derived No Effect Level.
IATA: International Air Transport Association.
IMDG: International Maritime Dangerous Goods.
Kow: Octanol-water partition coefficient.
LC_{50}: Lethal Concentration to 50 % of a test population.
LD_{50}: Lethal Dose to 50% of a test population (Median Lethal Dose).
PBT: Persistent, Bioaccumulative and Toxic substance.
PNEC: Predicted No Effect Concentration.
REACH: Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006.
RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.
vPvB: Very Persistent and Very Bioaccumulative.
IARC: International Agency for Research on Cancer.
MARPOL 73/78: International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978.
cATpE: Converted Acute Toxicity Point Estimate.
BCF: Bioconcentration Factor.
BOD: Biochemical Oxygen Demand.
EC_{50}: 50% of maximal Effective Concentration.
LOAEC: Lowest Observed Adverse Effect Concentration.
LOAEL: Lowest Observed Adverse Effect Level.
NOAEC: No Observed Adverse Effect Concentration.
NOAEL: No Observed Adverse Effect Level.
NOEC: No Observed Effect Concentration.
LOEC: Lowest Observed Effect Concentration.
DMEL: Derived Minimal Effect Level.
EL50: Exposure Limit 50
hPa: Hectopascal
LL50: Lethal Loading fifty
OECD: Organisation for Economic Co-operation and Development
POW: Octanol-water partition coefficient
SCBA: self-contained breathing apparatus
STP: Sewage Treatment Plant
VOC: Volatile Organic Compounds

Classification abbreviations and acronyms

Acute Tox. = Acute toxicity
Aquatic Acute = Hazardous to the aquatic environment (acute)
Aquatic Chronic = Hazardous to the aquatic environment (chronic)

Key literature references and sources for data

Supplier's information.

Revision comments

NOTE: Lines within the margin indicate significant changes from the previous revision.

Revision date

29/03/2017

Version number

2.000

Supersedes date

22/04/2015

SDS number

12168

ANTRANCINE 54

SDS status	Approved.
Hazard statements in full	H302 Harmful if swallowed. H319 Causes serious eye irritation. H411 Toxic to aquatic life with long lasting effects. H412 Harmful to aquatic life with long lasting effects.
Signature	Jitendra Panchal