

1. IDENTIFICATION OF THE MIXTURE AND OF THE SUPPLIER

Product Identifier

Product	Automotive Nitrocellulose Top Coat Coarse Bronze [31-AL8]
Recommended use of chemical	Use as coating
Restriction on use	No open flames, No sparks, and No smoking

Supplier's details

Company	Big-Ben Chemical Company Limited
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2. HAZARD IDENTIFICATION

Classification of the substance or mixture

This product has been classified in accordance with the hazard communication standard 29 CSR 1910.1200; the SDS and labels contain all the information as required by the standard.

Flammable liquids	Category 1
Acute toxicity - oral	Category 5
Acute toxicity - dermal	Category 2
Skin corrosion/irritation	Category 2
Eye damage/irritation	Category 2A
Sensitization - respiratory	Category 1
Toxic to reproduction	Category 2
Specific target organ toxicity (single exposure)	Category 3
Aspiration hazard	Category 1
Hazardous to the aquatic environment - acute hazard	Category 1
Hazardous to the aquatic environment - long-term hazard	Category 1

Remark:

Percentage of mixture consisting of ingredient(s) of unknown oral toxicity: 38.69%

Percentage of mixture consisting of ingredient(s) of unknown dermal toxicity: 56.69%

Percentage of mixture consisting of ingredient(s) of unknown inhalation toxicity: 45.16%

GHS label elements

Pictogram or symbol



Signal word

Danger

Hazard statement:

H224 Extremely flammable liquid and vapour

H303 May be harmful if swallowed

H304 May be fatal if swallowed and enters airways

H310 Fatal in contact with skin

H315 Causes skin irritation

H319 Causes serious eye irritation

H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled

H335 May cause respiratory irritation

H336 May cause drowsiness or dizziness

H360 May cause harm to unborn children

H361 Suspected of damaging fertility or the unborn child

H400 Very toxic to aquatic life

H410 Very toxic to aquatic life with long lasting effects

Precautionary statement

[PREVENTION]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P210 Keep away from heat / sparks / open flames / hot surfaces. No smoking.

P233 Keep container tightly closed.

P240 Ground / bond container and receiving equipment.

P241 Use explosion-proof electrical / ventilating / lighting / equipment.

P242 Use only non-sparking tools.

P243 Take precautionary measures against static discharge.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P262 Do not get in eyes, on skin, or on clothing.

P264 Wash thoroughly after handling.

P270 Do not eat, drink or smoke when using this product.

P271 Use only outdoors or in a well-ventilated area.

P273 Avoid release to the environment.

P280 Wear protective gloves / protective clothing / eye protection / face protection.

P285 In case of inadequate ventilation wear respiratory protection.

[RESPONSE]

P301+P310 IF SWALLOWED Immediately call a POISON CENTER or doctor / physician.

P302+P350 IF ON SKIN Gently wash with plenty of soap and water.

P302+P352 IF ON SKIN Wash with plenty of soap and water.

P303+P361+P353 IF ON SKIN (or hair) Remove / Take off immediately all contaminated clothing. Rinse skin with water / shower.

P304+P340 IF INHALED Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P304+P341 IF INHALED If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+P313 IF exposed or concerned Get medical advice / attention.

P310 Immediately call a POISON CENTER or doctor / physician.

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

P321 Specific treatment (see on this label).

P322 Specific measures (see on this label).

P331 Do NOT induce vomiting.

P332+P313 IF skin irritation occurs Get medical advice / attention.

P337+P313 IF eye irritation persists Get medical advice / attention.

P342+P311 IF experiencing respiratory symptoms Call a POISON CENTER or doctor / physician.

P361 Remove / Take off immediately all contaminated clothing.

P362 Take off contaminated clothing and wash before reuse.

P363 Wash contaminated clothing before reuse.

P370+P378 In case of fire Use dry sand, dry chemical or alcohol-resistant foam for extinction.

P391 Collect spillage.

[STORAGE]

P403+P233 Store in a well-ventilated place. Keep container tightly closed.

P403+P235 Store in a well-ventilated place. Keep cool.

P405 Store locked up.

[DISPOSAL]

P501 Dispose of contents / container in accordance with local / regional / national / international regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical name

CAS No.

Content % (w/w)

1-ACETOXY-2-ETHOXYETHANE	111-15-9	2.24 - 2.59
1-Butanol	71-36-3	5.25 - 6.07
1-benzyl 2-butyl benzene-1,2-dicarboxylate	85-68-7	2.80 - 3.25
2-BUTOXYETHANOL	111-76-2	3.37 - 3.90
2-Butanone	78-93-3	4.57 - 5.29
2-Methylpropanol-1;2-Methylpropyl alcoho	78-83-1	1.84 - 2.13
2-PROPANOL	67-63-0	3.53 - 4.09
4-Methyl-2-pentanone	108-10-1	3.54 - 4.10
Acetone	67-64-1	8.07 - 9.34
Aluminum	7429-90-5	6.70 - 7.76
Butyl Acetate	123-86-4	7.02 - 8.12
Cellulose nitrate	9004-70-1	8.25 - 9.55
Ethyl Benzene	100-41-4	3.30 - 3.82
Fumed Silica	112945-52-5	2.58 - 2.99
Melamine Polymer	-	1.21 - 1.40
Polymer resin	-	10.93 - 12.66
Solvent naphtha	64742-95-6	2.87 - 3.32
Toluene	108-88-3	3.83 - 4.43
Xylene	1330-20-7	13.10 - 15.17

4. FIRST AID MEASURES

Inhalation	Remove to fresh air. If unconscious, place in recovery position and seek medical attention immediately.
Skin contact	Immediately flush with water for at least 15 minutes. Remove contaminated clothing. Seek medical attention immediately. Wash thoroughly after handling.
Eye contact	Hold eyelids apart and immediately flush with plenty of water for 15 minutes. Seek medical advice. Remove contact lenses.
Ingestion	Rinse mouth with water. Never give anything by mouth to an unconscious person. Obtain medical attention. If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel.
Most important symptoms/effects, acute and delayed	Dizziness. Drowsiness. Headache. Nausea. Vomiting. Weakness. Unconsciousness. Skin and eye redness. Pain. Nausea. Vomiting.

5. FIRE FIGHTING MEASURES

Suitable extinguishing media	Dry chemical. Carbon Dioxide (CO ₂). Alcohol-resistant foam. Water spray.
Unsuitable extinguishing media	High volume water jet.
Specific hazards arising from the chemical	Flammable liquid. Vapors can form an ignitable mixture with air. Vapors can flow along surfaces to a distant ignition source and flash back. Container may rupture on heating.
Specific protective equipment and precautions for firefighters	Wear self-contained breathing apparatus and full protective clothing for firefighting.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures	Keep unnecessary personnel away. Prevent further leakage or spillage if safe to do so. Use personal protective equipment. Use only non-sparking tools.
Environmental precautions	Prevent the material from entering drains or water courses.
Methods and materials for containment and cleaning up	Contain spillage, and then collect with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and place in container for disposal according to local/national regulations.

7. HANDLING AND STORAGE

Precautions for safe handling	Avoid breathing vapor and contact with eyes, skin, and clothing. Do not leave containers open. Avoid repeated or prolonged contact with skin.
Conditions for safe storage, including any incompatibilities	Keep away from heat or flames. Keep in cool, dry, ventilated storage and in closed containers. Store away from oxidizing agent.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

1-ACETOXY-2-ETHOXYETHANE

OSHA

PEL-TWA 100¹²

Skin notification Y¹²

NIOSH

REL-TWA 0.5¹²

Skin notification Y¹²

ACGIH

TLV-TWA 5¹²

Skin notification Y¹²

CAL/OSHA

PEL-TWA 5¹²

Skin notification Y¹²

Safe Work Australia (Australia, 4/2024)

TWA : 2 ppm 8 hours. ¹⁵

TWA : 10.9 mg/m³ 8 hours. ¹⁵

1-Butanol

OSHA

PEL-TWA 100 ppm (300 mg/m³)⁴⁵

Skin notification N⁴⁵

NIOSH

REL-C 50 ppm (150 mg/m³)⁴⁵

Skin notification Y⁴⁵

ACGIH

TLV-TWA 20 ppm [1998]⁴⁵

Skin notification N⁴⁵

CAL/OSHA

PEL-C 50 ppm (150 mg/m³)⁴⁵

Skin notification Y⁴⁵

Safe Work Australia (Australia, 4/2024)

TWA : 20 ppm 8 hours. ¹⁵

TWA : 61 mg/m³ 8 hours. ¹⁵

2-BUTOXYETHANOL

OSHA

PEL-TWA 50⁶⁶

Skin notification Y⁶⁶

NIOSH

REL-TWA 5⁶⁶

Skin notification Y⁶⁶

ACGIH

TLV-TWA 20⁶⁶

Skin notification N⁶⁶

CAL/OSHA

PEL-TWA 20⁶⁶

Skin notification Y⁶⁶

Safe Work Australia (Australia, 4/2024)

TWA : 10 ppm 8 hours. ¹⁵

TWA : 49 mg/m³ 8 hours. ¹⁵

STEL : 40 ppm 15 minutes. ¹⁵

STEL : 196 mg/m³ 15 minutes. ¹⁵

2-Butanone

OSHA

PEL-TWA 200 ppm (590 mg/m³)⁶⁷

Skin notification N⁶⁷

SKIN NOTIFICATION IN

NIOSH

REL-TWA 200 ppm (500 mg/m³)⁶⁷

REL-STEL 300 ppm (885 mg/m³)⁶⁷

Skin notification N⁶⁷

ACGIH

TLV-TWA 200 ppm [1992]⁶⁷

TLV-STEL 300 ppm [1992]⁶⁷

Skin notification N⁶⁷

CAL/OSHA

PEL-TWA 200 ppm (590 mg/m³)⁶⁷

PEL-STEL 300 ppm (885 mg/m³)⁶⁷

Skin notification N⁶⁷

Safe Work Australia (Australia, 4/2024)

TWA : 200 ppm 8 hours. ³⁰

TWA : 590 mg/m³ 8 hours. ³⁰

STEL : 300 ppm 15 minutes. ³⁰

STEL : 885 mg/m³ 15 minutes. ³⁰

2-Methylpropanol-1;2-Methylpropyl alcoho

OSHA

PEL-TWA 100⁴⁶

Skin notification N⁴⁶

NIOSH

REL-TWA 50⁴⁶

Skin notification N⁴⁶

ACGIH

Skin notification N⁴⁶

CAL/OSHA

Skin notification N⁴⁶

Safe Work Australia (Australia, 4/2024)

TWA : 50 ppm 8 hours. ¹⁵

TWA : 152 mg/m³ 8 hours. ¹⁵

2-PROPANOL

OSHA

PEL-TWA 400⁶⁸

Skin notification N⁶⁸

NIOSH

REL-TWA 400⁶⁸

REL-STEL 500⁶⁸

Skin notification N⁶⁸

ACGIH

TLV-TWA 200⁶⁸

TLV-STEL 400⁶⁸

Safe Work Australia (Australia, 4/2024)

TWA : 200 ppm 8 hours. ¹⁵

TWA : 491 mg/m³ 8 hours. ¹⁵

STEL : 400 ppm 15 minutes. ¹⁵

STEL : 984 mg/m³ 15 minutes. ¹⁵

4-Methyl-2-pentanone

OSHA

PEL-TWA 100²⁷

Skin notification N²⁷

NIOSH

REL-TWA 50²⁷

REL-STEL 75²⁷

Skin notification N²⁷

ACGIH

TLV-TWA 20²⁷

TLV-STEL 75²⁷

Skin notification N²⁷

CAL/OSHA

PEL-TWA 50²⁷

PEL-STEL 75²⁷

Skin notification N²⁷

Safe Work Australia (Australia, 4/2024)

TWA : 20 ppm 8 hours. ³⁰

TWA : 82 mg/m³ 8 hours. ³⁰

STEL : 75 ppm 15 minutes. ³⁰

STEL : 307 mg/m³ 15 minutes. ³⁰

Acetone

OSHA

PEL-TWA 1000⁶⁹

Skin notification N⁶⁹

NIOSH

REL-TWA 250⁶⁹

Skin notification N⁶⁹

ACGIH

TLV-TWA 2500⁶⁹

TLV-STEL 500⁶⁹

Skin notification N⁶⁹

CAL/OSHA

PEL-TWA 500⁶⁹

PEL-STEL 750⁶⁹

PEL-C 3000⁶⁹

Skin notification N⁶⁹

Safe Work Australia (Australia, 4/2024)

TWA : 250 ppm 8 hours. ¹⁵

TWA : 594 mg/m³ 8 hours. ¹⁵

STEL : 500 ppm 15 minutes. ¹⁵

STEL : 1187 mg/m³ 15 minutes. ¹⁵

Aluminum

OSHA

PEL-TWA 15 mg/m³ (total dust), 5 mg/m³ (respirable fraction)⁴⁷

Skin notification N⁴⁷

NIOSH

REL-TWA 10 mg/m³ (total dust), 5 mg/m³ (respirable fraction)⁴⁷

Skin notification N⁴⁷

ACGIH

TLV-TWA 1 mg/m³ (respirable particulate matter) [2007]⁴⁷

Skin notification N⁴⁷

CAL/OSHA

PEL-TWA 10 mg/m³ (total dust), 5 mg/m³ (respirable fraction)⁴⁷

Skin notification N⁴⁷

Safe Work Australia (Australia, 4/2024)

TWA : 10 (metal dust), 5 (welding fumes), 2 (alkyls (NOC)), 5 (pyro powders), 2 (soluble salts) mg/m³ 8

Butyl Acetate

OSHA

PEL-TWA 150¹³

Skin notification N¹³

NIOSH
REL-TWA 150¹³
REL-STEL 200¹³
Skin notification N¹³
ACGIH
TLV-TWA 50¹³
TLV-STEL 150¹³
Skin notification N
CAL/OSHA
PEL-TWA 150¹³
PEL-STEL 200¹³
Skin notification N¹³
Safe Work Australia (Australia, 4/2024)
TWA : 50 ppm 8 hours. ¹⁵
TWA : 270 mg/m³ 8 hours. ¹⁵
STEL : 100 ppm 15 minutes. ¹⁵
STEL : 541 mg/m³ 15 minutes. ¹⁵

Ethyl Benzene
OSHA

PEL-TWA 100⁴⁸
Skin notification N⁴⁸
NIOSH
REL-TWA 100⁴⁸
REL-STEL 125⁴⁸
Skin notification N⁴⁸
ACGIH
TLV-TWA 20⁴⁸
Skin notification N⁴⁸
CAL/OSHA
PEL-TWA 100⁴⁸
PEL-STEL 125⁴⁸
Skin notification N⁴⁸
Safe Work Australia (Australia, 4/2024)
TWA : 20 ppm 8 hours. ¹⁵
TWA : 87 mg/m³ 8 hours. ¹⁵
Safe Work Australia (Australia, 4/2024)
TWA : 50 ppm 8 hours. ³⁰
TWA : 296 mg/m³ 8 hours. ³⁰
STEL : 100 ppm 15 minutes. ³⁰
STEL : 593 mg/m³ 15 minutes. ³⁰

Toluene
OSHA

PEL-TWA 200 ppm¹⁴
PEL-C 300 ppm; 500 ppm (Peak) [10 min maximum in an 8 hr shift]¹⁴
Skin notification N¹⁴
NIOSH
REL-TWA 100 ppm (375 mg/m³)¹⁴
REL-STEL 150 ppm (560 mg/m³)¹⁴
Skin notification N¹⁴
ACGIH
TLV-TWA 20 ppm [2006]¹⁴
Skin notification N¹⁴
CAL/OSHA
PEL-TWA 10 ppm (37 mg/m³)¹⁴

PEL-STEL 150 ppm (560 mg/m³)¹⁴
 PEL-C 500 ppm¹⁴
 Skin notification Y¹⁴
 Safe Work Australia (Australia, 4/2024)
 TWA : 20 ppm 8 hours. ¹⁶
 TWA : 75 mg/m³ 8 hours. ¹⁶
Xylene
 OSHA
 PEL-TWA 100²⁹
 Skin notification N²⁹
 NIOSH
 REL-TWA 100²⁹
 Skin notification N²⁹
 ACGIH
 TLV-TWA 100²⁹
 TLV-STEL 150²⁹
 Skin notification N²⁹
 CAL/OSHA
 PEL-TWA 100²⁹
 PEL-STEL 150²⁹
 PEL-C 300²⁹
 Skin notification N²⁹
 Safe Work Australia (Australia, 4/2024)
 TWA : 80 ppm 8 hours. ¹⁶
 TWA : 350 mg/m³ 8 hours. ¹⁶
 STEL : 150 ppm 15 minutes. ¹⁶
 STEL : 655 mg/m³ 15 minutes. ¹⁶
 Provide adequate ventilation. Install local exhaust.

Appropriate engineering controls

Personal protective equipment

Respiratory protection
 Hand protection
 Eye protection
 Skin and body protection

Organic vapor respirator
 Rubber gloves. Neoprene.
 Safety goggle.
 Wear suitable clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid
Colour	Bronze
Odour	Organic solvent
pH	Not available
Melting point/freezing point	Not available
Boiling point or initial boiling point and boiling range	-20.0 °C (-4.0 °F) (Solvent naphtha)
Flash point	-40.0 °C (-40.0 °F) (Solvent naphtha)
Flammability	Flammable
Lower and upper explosion limit/flammability limit	Not available
Vapour pressure	240 hPa at 20 °C (Acetone)
Density and/or relative density	0.93 - 1.03 g/cm ³
Relative vapour density	Not available
Solubility	Soluble in Organic solvent
Partition coefficient n-octanol/water (log value)	Not applicable

Auto-ignition temperature	280.0 °C (536.0 °F) (Solvent naphtha)
Decomposition temperature	Not applicable
Viscosity	13 - 16 second at 30 °C
Particle characteristics	Not applicable

10. STABILITY AND REACTIVITY

Reactivity	Reacts violently with strong acids and strong oxidants
Chemical stability	Stable under normal storage and handling conditions
Possibility of hazardous reaction	Will not occur
Condition to avoid	High temperatures, sparks, open flame, and all other sources of ignition
Incompatible materials	Strong oxidizing agents, strong acids
Hazardous decomposition products	Not available

11. TOXICOLOGICAL INFORMATION

Acute toxicity (oral)	ATEmix = 2443.77 mg/kg (Category 5) 1-ACETOXY-2-ETHOXYETHANE LD50 (rat) oral = 2900.00 mg/kg ¹ 1-Butanol LD50 (rat) oral = 790.00 mg/kg ³¹ 1-benzyl 2-butyl benzene-1,2-dicarboxylate LD50 (rat) oral = 2330.00 mg/kg ³² 2-BUTOXYETHANOL LD50 (rat) oral = 470.00 mg/kg ⁵⁴ 2-Butanone LD50 (rat) oral = 2900.00 mg/kg ⁵⁵ 2-Methylpropanol-1;2-Methylpropyl alcoho LD50 (rat) oral = 2460.00 mg/kg ³³ 2-PROPANOL LD50 (rat) oral = 4710.00 mg/kg ⁵⁶ Acetone LD50 (rat) oral = 5800.00 mg/kg ⁵⁷ Aluminum LD50 (rat) oral = 15900.00 mg/kg ³⁴ Butyl Acetate LD50 (rat) oral = 10736.00 mg/kg ² Ethyl Benzene LD50 (rat) oral = 3500.00 mg/kg ³⁵ Fumed Silica LD50 (rat) oral = 22500.00 mg/kg ⁵⁸ Solvent naphtha LD50 (rat) oral = 5000.00 mg/kg ³⁶ Toluene LD50 (rat) oral = 5000.00 mg/kg ³
Acute toxicity (dermal)	ATEmix = 90.06 mg/kg (Category 2) 1-ACETOXY-2-ETHOXYETHANE LD50 (rabbit) dermal = 10300.00 mg/kg ¹ 1-Butanol LD50 (rabbit) dermal = 3400.00 mg/kg ³¹ 2-BUTOXYETHANOL LD50 (rabbit) dermal = 400.00 mg/kg ⁵⁴ 2-Butanone LD50 (rabbit) dermal = 8000.00 mg/kg ⁵⁵ 2-PROPANOL LD50 (rabbit) dermal = 12870.00 mg/kg ⁵⁶ Acetone LD50 (rabbit) dermal = 7426.00 mg/kg ⁵⁷ Butyl Acetate LD50 (rabbit) dermal = 16.00 mg/kg ² Solvent naphtha LD50 (rabbit) dermal = 2000.00 mg/kg ³⁶ Toluene LD50 (rabbit) dermal = 14100.00 mg/kg ³
Acute toxicity (inhalation)	Not available
Skin corrosion and skin irritation	Causes skin irritation (2-BUTOXYETHANOL,2-Methylpropanol-1;2-Methylpropyl alcoho,Toluene,Xylene)
Serious eye damage or eye irritation	Causes serious eye irritation (1-Butanol,2-BUTOXYETHANOL,2-Butanone,2-Methylpropanol-1;2-Methylpropyl alcoho,2-PROPANOL,4-Methyl-2-pentanone ,Acetone)
Respirator and skin sensitization	May cause allergy or asthma symptoms or breathing difficulties if inhaled (1-Butanol)
Skin sentization	Not classified
Germ cell mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive toxicity	Suspected of damaging fertility or the unborn child (Toluene)
Specific target organ toxicity following single exposure	May cause respiratory irritation (1-Butanol,2-Butanone,2-Methylpropanol-1;2-Methylpropyl alcoho,2-PROPANOL,4-Methyl-2-pentanone ,Acetone,Butyl Acetate,Toluene)
Specific target organ toxicity following repeated exposure	Not classified

repeated exposure

Aspiration hazard

May be fatal if swallowed and enters airways (Ethyl Benzene,Solvent naphtha,Toluene)

12. ECOLOGICAL INFORMATION

Acute aquatic hazard

Very toxic to aquatic life

1-ACETOXY-2-ETHOXYETHANE

LC50 (fish) 96 hr = 40 mg/L⁶
1-Butanol

LC50 (fish) 96 hr = 100 mg/L³¹

EC48 (shrimp) 48 hr = 1983 mg/L³¹
1-benzyl 2-butyl benzene-1,2-dicarboxylate

LC50 (fish) 96 hr = 0.510 mg/L⁴¹

EC48 (shrimp) 48 hr = 0.740 mg/L⁴¹
2-BUTOXYETHANOL

LC50 (fish) 96 hr = 1474 mg/L⁶²

EC48 (shrimp) 48 hr = 1500 mg/L⁶²
2-Butanone

LC50 (fish) 96 hr = 3200 mg/L⁵⁵
2-Methylpropanol-1:2-Methylpropyl alcoho

LC50 (fish) 96 hr = 1430 mg/L³⁷

EC48 (shrimp) 48 hr = 1100 mg/L³⁷

ErC-EC72 (Fungi) 96 hr = 593 mg/L³⁷
2-PROPANOL

LC50 (fish) 96 hr = 6120 mg/L⁵⁶
4-Methyl-2-pentanone

LC50 (fish) 96 hr = 179 mg/L¹⁹

EC48 (shrimp) 48 hr = 200 mg/L¹⁹
Acetone

LC50 (fish) 96 hr = 4740 mg/L⁵⁷
Aluminum

LC50 (fish) 96 hr = 0.078 mg/L³⁴

EC48 (shrimp) 48 hr = 1.5 mg/L³⁴

ErC-EC72 (Fungi) 96 hr = 0.9625 mg/L³⁴
Butyl Acetate

LC50 (fish) 96 hr = 18 mg/L²

EC48 (shrimp) 48 hr = 32 mg/L²
Ethyl Benzene

LC50 (fish) 96 hr = 4.20 mg/L⁴²

EC48 (shrimp) 48 hr = 2.10 mg/L⁴⁰

ErC-EC72 (Fungi) 96 hr = 4.60 mg/L⁴⁰
Toluene

LC50 (fish) 96 hr = 7.3 mg/L⁷

EC48 (shrimp) 48 hr = 6 mg/L⁷

ErC-EC72 (Fungi) 96 hr = 12.5 mg/L⁷
Xylene

LC50 (fish) 96 hr = 3.30 mg/L²⁰

Long term aquatic hazard

Very toxic to aquatic life with long lasting effects

1-Butanol

NOEC shrimp = 4.1 mg/L³⁸
1-benzyl 2-butyl benzene-1,2-dicarboxylate

NOEC fish = 64.6 mg/L⁴¹

NOEC shrimp = 0.075 mg/L⁴¹

NOEC fungi = 0.150 mg/L⁴¹
2-BUTOXYETHANOL

NOEC fish = 100 mg/L⁵⁹

NOEC shrimp = 100 mg/L⁶²
2-Methylpropanol-1:2-Methylpropyl alcoho

NOEC shrimp = 20 mg/L³⁷

NOEC fungi = 53 mg/L³⁷
4-Methyl-2-pentanone

NOEC shrimp = 30 mg/L¹⁹
Acetone

NOEC fish = 530 mg/L⁵⁷

NOEC fungi = 430 mg/L⁵⁷

Aluminum

NOEC fish = 0.0251 mg/L³⁴

NOEC fungi = 0.0054 mg/L³⁴

Butyl Acetate

NOEC fish = 23 mg/L²

NOEC shrimp = 23 mg/L²

NOEC fungi = 196 mg/L²

Ethyl Benzene

NOEC fish = 3.30 mg/L⁴⁰

NOEC shrimp = 1 mg/L⁴⁰

NOEC fungi = 3.4 mg/L⁴⁰

Toluene

NOEC fish = 1.4 mg/L⁸

NOEC shrimp = 7.4 mg/L⁸

NOEC fungi = 10 mg/L⁸

Xylene

NOEC fish = 1.30 mg/L²³

NOEC shrimp = 1.57 mg/L²¹

NOEC fungi = 0.44 mg/L²¹

Persistence and degradability

Rapidly degradable (2-Methylpropanol-1;2-Methylpropyl alcohol,4-Methyl-2-pentanone ,Acetone,Butyl Acetate,Ethyl Benzene,Toluene,Xylene)

Bioaccumulative potential

Bioaccumulative potential

1-ACETOXY-2-ETHOXYETHANE

log KOW = 0.24⁹

BCF = 3⁹

1-Butanol

log KOW = 0.88⁴³

BCF = 3⁴³

1-benzyl 2-butyl benzene-1,2-dicarboxylate

log KOW = 4.84 @ 20 °C³²

2-BUTOXYETHANOL

log KOW = 0.83⁶³

BCF = 3⁶³

2-Butanone

log KOW = 0.29⁶⁴

BCF = 3⁶⁴

2-Methylpropanol-1;2-Methylpropyl alcohol

log KOW = 0.76⁴⁴

BCF = 3⁴⁴

4-Methyl-2-pentanone

log KOW = 1.31²⁴

BCF = 3²⁴

Acetone

log KOW = -0.24⁶⁵

BCF = 0.69⁶⁵

Butyl Acetate

log KOW = 1.78¹⁰

BCF = 7.00¹⁰

Ethyl Benzene

log KOW = 3.03⁴⁰

BCF = 110⁴⁰

Toluene

log KOW = 2.73¹¹

BCF = 13¹¹

Xylene

log KOW = 3.20²⁶

BCF = 14.80²⁶

Mobility in soil

The product is insoluble in water. If released to water, some of the components will have tendency

mobility in soil

The product is insoluble in water. If released to water, some of the components will have tendency to evaporate while other components are expected to be highly mobile in soil and have the potential to reach underground water supplies.

Other adverse effects

Not available

13. DISPOSAL CONSIDERATIONS

Disposal methods

Disposing of this material/container should be done under all the regulations or handled by authorized waste collector in your country

Container disposal

Do not re-use empty containers

14. TRANSPORT INFORMATION

Labels required



UN number

1263

UN proper shipping name

Paint

Transport hazard class(es)

3

Packing group

III

Environmental hazards

Not applicable

Special precautions

Not applicable

Transport in bulk

Not applicable

15. REGULATORY INFORMATION

Inventory of existing chemical substance produced or imported in USA (TSCA)

All component in this product are listed

Toxic substance control act (TSCA)

All component in this product are listed

16. OTHER INFORMATION

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