SAFETY DATA SHEET
ETP240/1296 B

According to Regulation (EC) No 1907/2006, Annex II, as amended by Regulation (EU) No 453/2010

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

1.1. Product identifier

Product name ETP240/1296 B

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

Identified uses Printing ink.

Uses advised against No specific uses advised against are identified.

1.3. Details of the supplier of the safety data sheet

Supplier

Electra Polymers Ltd
Roughway Mill,
Roughway Lane
Tonbridge
Kent TN11 9SG
UK
Tel: +44 1732 811118
Fax: +44 1732 811119
sds@electrapolymers.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1732 811 118 (08.30 - 17.00 GMT)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC) R43.

Human health The product contains small amounts of organic solvents. Considered to be a low inhalation hazard at normal workplace temperatures.

2.2. Label elements

Pictogram

Signal word Warning

Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.

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Precautionary statements	P280 Wear protective gloves/protective clothing/eye protection/face protection. P333+P313 If skin irritation or rash occurs: Get medical advice/attention. P337+P313 If eye irritation persists: Get medical advice/attention. P362+P364 Take off contaminated clothing and wash it before reuse. P501 Dispose of contents/container in accordance with national regulations.
Contains	2-HYDROXYETHYL METHACRYLATE, TRIPHENYL PHOSPHINE, PARA METHOXY PHENOL
WHMIS Label	Materials Causing Other Toxic Effects.
Supplementary precautionary statements	P261 Avoid breathing vapour/spray. P264 Wash contaminated skin thoroughly after handling. P272 Contaminated work clothing should not be allowed out of the workplace. P302+P352 IF ON SKIN: Wash with plenty of water. P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P321 Specific treatment (see medical advice on this label).

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB. May cause skin sensitisation or allergic reactions in sensitive individuals.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Modified Novolac Acrylate **30-60%**

CAS number: —

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Xi;R36/38.

2-BUTOXYETHYL ACETATE **10-30%**

CAS number: 112-07-2 EC number: 203-933-3

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H312 Acute Tox. 4 - H332	Xn;R20/21

Methoxypropoxypropanol **1-5%**

CAS number: 34590-94-8

Classification	Classification (67/548/EEC or 1999/45/EC)
Not Classified	-

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2-HYDROXYETHYL METHACRYLATE	1-5%
CAS number: 868-77-9	EC number: 212-782-2

Classification	Classification (67/548/EEC or 1999/45/EC)
Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	R43 Xi;R36/38

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE	1-5%
CAS number: 71868-10-5	EC number: 400-600-6

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Aquatic Chronic 2 - H411	Xn;R22 N;R51/53

2-(2-BUTOXYETHOXY)ETHANOL	<1%
CAS number: 112-34-5	EC number: 203-961-6

Classification	Classification (67/548/EEC or 1999/45/EC)
Eye Irrit. 2 - H319	Xi;R36

TRIPHENYL PHOSPHINE	<1%
CAS number: 603-35-0	

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Skin Sens. 1 - H317 STOT RE 2 - H373	Xn;R48/20/22. N;R50/53. R43.

PARA METHOXY PHENOL	<1%
CAS number: 150-76-5	EC number: 205-769-8

Classification	Classification (67/548/EEC or 1999/45/EC)
Acute Tox. 4 - H302 Eye Irrit. 2 - H319 Skin Sens. 1 - H317	Xn;R22. Xi;R36/38.

The Full Text for all R-Phrases and Hazard Statements are 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

General information Get medical attention if any discomfort continues. Treat symptomatically.

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

Ingestion Do not induce vomiting. Get medical attention if any discomfort continues.

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Skin contact Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing. Take off contaminated clothing and wash it before reuse.

Eye contact Remove contact lenses, if present and easy to do. Continue rinsing. Continue to rinse for at least 15 minutes. Get medical attention if irritation persists after washing.

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

General information Treat symptomatically.

Inhalation No specific symptoms known. May cause respiratory irritation.

Ingestion No specific symptoms known. May cause irritation.

Skin contact Causes skin irritation. May cause sensitisation by skin contact.

Eye contact Causes serious eye irritation.

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

Notes for the doctor No specific recommendations.

SECTION 5: Firefighting measures

5.1. Extinguishing media

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

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards No unusual fire or explosion hazards noted.

Hazardous combustion products Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting No specific firefighting precautions known.

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. No smoking, sparks, flames or other sources of ignition near spillage.

6.2. Environmental precautions

Environmental precautions Do not discharge into drains or watercourses or onto the ground. Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Collect and place in suitable waste disposal containers and seal securely.

6.4. Reference to other sections

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Reference to other sections Wear protective clothing as described in Section 8 of this safety data sheet. For waste disposal, see section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid inhalation of vapours and spray/mists. Wear protective clothing, gloves, eye and face protection.

Advice on general occupational hygiene Good personal hygiene procedures should be implemented. Do not eat, drink or smoke when using this product. Wash after use and before eating, smoking and using the toilet. Remove contaminated clothing and protective equipment before entering eating areas.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Keep away from heat, sparks and open flame. Store in tightly-closed, original container. Protect from freezing and direct sunlight.

Storage class Miscellaneous hazardous material storage.

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

2-BUTOXYETHYL ACETATE

Long-term exposure limit (8-hour TWA): WEL 20 ppm 133 mg/m³
Short-term exposure limit (15-minute): WEL 50 ppm 332 mg/m³
Sk

Methoxypropoxypropanol

Long-term exposure limit (8-hour TWA): WEL 50 ppm 308 mg/m³
Sk

2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): WEL 10 ppm 67.5 mg/m³
Short-term exposure limit (15-minute): WEL 15 ppm 101.2 mg/m³

WEL = Workplace Exposure Limit
Sk = Can be absorbed through the skin.
Sk = Can be absorbed through skin.

2-BUTOXYETHYL ACETATE (CAS: 112-07-2)

Ingredient comments WEL = Workplace Exposure Limits

DNEL
Industry - Inhalation; Long term systemic effects: 133 mg/m³
Industry - Inhalation; Short term systemic effects: 775
Industry - Inhalation; Short term local effects: 333 mg/m³
Industry - Dermal; Long term systemic effects: 102 mg/kg/day
Industry - Dermal; Short term systemic effects: 102 mg/kg/day

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PNEC	- Fresh water; .304 mg/l - Marine water; .0304 mg/l - Intermittent release; .56 mg/l - STP; 90 mg/l - Sediment (Freshwater); 2.03 mg/kg - Sediment (Marinewater); .203 mg/kg - Soil; .68 mg/kg

2-HYDROXYETHYL METHACRYLATE (CAS: 868-77-9)

DNEL	Industry - Dermal; systemic effects: 1.3 mg/m³ Industry - Inhalation; systemic effects: 4.9 mg/m³ Consumer - Dermal; systemic effects: 0.83 mg/m³ Consumer - Inhalation; systemic effects: 2.9 mg/m³ Consumer - Oral; systemic effects: 0.83 mg/m³
PNEC	- Fresh water; 0.482 mg/l - Marine water; 0.482 mg/l - STP; 10 mg/l - Intermittent release; 1 mg/l - Sediment (Freshwater); 3.79 mg/kg - Sediment (Marinewater); 3.79 mg/kg - Soil; 0.476 mg/l

2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

DNEL	Industry - Inhalation; Short term : mg/m³ Industry - Dermal; Long term : 20 mg/kg/day Industry - Inhalation; Long term : 67.5 mg/m³
PNEC	- Fresh water; 1 mg/l - Marine water; 0.1 mg/l - Sediment; 4 mg/kg - Soil; 0.4 mg/kg

8.2. Exposure controls

Protective equipment

Appropriate engineering controls	Provide adequate general and local exhaust ventilation.
Eye/face protection	Wear eye protection.
Hand protection	Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. Wear protective gloves made of the following material: Butyl rubber. Nitrile rubber. Neoprene. Polyvinyl chloride (PVC). Laminate of polyethylene and ethylene vinyl alcohol (PE/EVOH).
Other skin and body protection	Wear apron or protective clothing in case of contact.

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Hygiene measures	Use engineering controls to reduce air contamination to permissible exposure level. Do not eat, drink or smoke when using this product. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Provide eyewash station. Wash contaminated clothing before reuse.
Respiratory protection	No specific requirements are anticipated under normal conditions of use.
Environmental exposure controls	Residues and empty containers should be taken care of as hazardous waste according to local and national provisions. Prevent spillage entering a watercourse or sewer, contaminating soil or vegetation. If this is not possible notify police and appropriate authorities immediately.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Paste.
Colour	Blue.
Odour	Mild.
Odour threshold	Not determined.
pH	Not determined.
Melting point	Not determined.
Initial boiling point and range	Not determined.
Flash point	~ 88°C Not specified. Estimated value.
Evaporation rate	Not determined.
Evaporation factor	Not determined.
Flammability (solid, gas)	Not determined.
Upper/lower flammability or explosive limits	Not determined.
Other flammability	Not determined.
Vapour pressure	Not determined.
Vapour density	Not determined.
Relative density	1.3 @ 20°C
Bulk density	Not determined.
Solubility(ies)	Not determined.
Partition coefficient	Not determined.
Auto-ignition temperature	Not determined.
Decomposition Temperature	Not determined.
Viscosity	Kinematic viscosity > 20.5 mm^2/s.
Explosive properties	Not considered to be explosive.
Explosive under the influence of a flame	No
Oxidising properties	The mixture itself has not been tested but none of the ingredient substances meet the criteria for classification as oxidising.

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Comments	Information given is applicable to the product as supplied.

9.2. Other information

Other information	None.
Refractive index	Not determined.
Particle size	Not applicable.
Molecular weight	Not applicable.
Volatility	Not determined.
Saturation concentration	Not determined.
Critical temperature	Not determined.
Volatile organic compound	Not determined.

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 and when used as recommended.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid	Keep away from heat, sparks and open flame. Avoid exposure to high temperatures or direct sunlight.

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

Hazardous decomposition products	Thermal decomposition or combustion products may include the following substances: Acrid smoke or fumes. Oxides of nitrogen. Oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - oral

Notes (oral LD_{50})	Based on available data the classification criteria are not met.
ATE oral (mg/kg)	21,739.13

Acute toxicity - dermal

Notes (dermal LD_{50})	Based on available data the classification criteria are not met.
ATE dermal (mg/kg)	5,964.31

Acute toxicity - inhalation

Notes (inhalation LC_{50})	Based on available data the classification criteria are not met.
ATE inhalation (gases ppm)	24,399.45
ATE inhalation (vapours mg/l)	59.64
ATE inhalation (dusts/mists mg/l)	8.13

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Skin corrosion/irritation

Animal data	No information available.
Human skin model test	No information available.
Extreme pH	Based on available data the classification criteria are not met.

Serious eye damage/irritation

Serious eye damage/irritation	Causes serious eye irritation.

Respiratory sensitisation

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

Skin sensitisation

Skin sensitisation	Sensitising.

Germ cell mutagenicity

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

Carcinogenicity

Carcinogenicity	Based on available data the classification criteria are not met. Does not contain any substances known to be carcinogenic.

Reproductive toxicity

Reproductive toxicity - fertility	Based on available data the classification criteria are not met. Does not contain any substances known to be toxic to reproduction.
Reproductive toxicity - development	Based on available data the classification criteria are not met. Does not contain any substances known to be toxic to reproduction.

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.

General information	The product contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in the accumulation of hazardous vapour concentrations.
Inhalation	No specific health hazards known. May cause respiratory system irritation.
Ingestion	No specific health hazards known. May cause discomfort if swallowed.
Skin contact	May cause sensitisation by skin contact.
Eye contact	Causes serious eye irritation.
Acute and chronic health hazards	May cause skin sensitisation or allergic reactions in sensitive individuals.
Route of entry	Inhalation Skin absorption Ingestion. Skin and/or eye contact
Target organs	No specific target organs known.

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Medical symptoms Symptoms following overexposure may include the following: Allergic rash. May cause discomfort if swallowed.

Medical considerations May cause allergic contact eczema.

Toxicological information on ingredients.

2-BUTOXYETHYL ACETATE

Specific target organ toxicity - repeated exposure

STOT - repeated exposure LOAEL 94 mg/kg, Oral, Rat

2-HYDROXYETHYL METHACRYLATE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 5,000.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 5,000.0

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE

Toxicological effects Developmental effects have been observed in laboratory animals

TRIPHENYL PHOSPHINE

Acute toxicity - oral

Acute toxicity oral (LD_{50} mg/kg) 700.0

Species Rat

ATE oral (mg/kg) 700.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg) 4,001.0

Species Rabbit

ATE dermal (mg/kg) 4,001.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC_{50} dust/mist mg/l) 12.5

Species Rat

ATE inhalation (dusts/mists mg/l) 12.5

PARA METHOXY PHENOL

Acute toxicity - oral

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Acute toxicity oral (LD_{50} mg/kg)	1,630.0
Species	Rat
ATE oral (mg/kg)	1,630.0

Acute toxicity - dermal

Acute toxicity dermal (LD_{50} mg/kg)	2,001.0
Species	Rat
ATE dermal (mg/kg)	2,001.0

SECTION 12: Ecological Information

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

Ecological information on ingredients.

Methoxypropoxypropanol

Ecotoxicity Not regarded as dangerous for the environment.

TRIPHENYL PHOSPHINE

Ecotoxicity The product does not contain organically bound halogen.

12.1. Toxicity

Acute toxicity - fish	Not determined.
Acute toxicity - aquatic invertebrates	Not determined.
Acute toxicity - aquatic plants	Not determined.
Acute toxicity - microorganisms	Not determined.
Acute toxicity - terrestrial	Not determined.
Chronic toxicity - fish early life stage	Not determined.
Short term toxicity - embryo and sac fry stages	Not determined.
Chronic toxicity - aquatic invertebrates	Not determined.

Ecological information on ingredients.

2-BUTOXYETHYL ACETATE

Acute toxicity - fish LC50, 96 hours, 96 hours: 22 mg/l, Pimephales promelas (Fat-head Minnow)
LC50, 96 hours, 96 hours: 28 mg/l, Onchorhynchus mykiss (Rainbow trout)
REACH dossier information.
REACH dossier information.

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Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours, 48 hours: 37 mg/l, Daphnia magna EC_{50}, 48 hours, 48 hours: 180 mg/l, Daphnia magna REACH dossier information. REACH dossier information. EC_{50}, 48 hours: 37mg/l mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC_{50}, 72 hours, 72 hours: > 500 mg/l, Freshwater algae EC_{50}, 72 hours, 72 hours: 520 mg/l, Freshwater algae REACH dossier information. REACH dossier information. IC_{50}, 72 hours: >500mg/l mg/l, Algae
Acute toxicity - microorganisms	EC20, 30 min, 30 minutes: 900 mg/l, Activated sludge REACH dossier information.
Acute toxicity - terrestrial	Not available.
Chronic toxicity - fish early life stage	Not available.
Short term toxicity - embryo and sac fry stages	Not available.
Chronic toxicity - aquatic invertebrates	Not available. , : ,

Methoxypropoxypropanol

Acute toxicity - fish	LC_{50}, 96 hours: >10000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 1919 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: >100 mg/l, Algae

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE

Acute toxicity - fish	LC_{50}, 96 hours: 9 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: 15.3 mg/l, Daphnia magna
Acute toxicity - aquatic plants	IC_{50}, 72 hours: 1.7 mg/l, Algae

TRIPHENYL PHOSPHINE

Acute aquatic toxicity

$LE(C)_{50}$	0.1 < L(E)C50 ≤ 1
Acute toxicity - fish	LC_{50}, 96 hours: >10000 mg/l, Fish
Acute toxicity - aquatic invertebrates	EC_{50}, 48 hours: >5 mg/l, Daphnia magna

12.2. Persistence and degradability

Persistence and degradability This product is not expected to be readily biodegradable.

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Phototransformation Not determined.

Stability (hydrolysis) Not determined.

Biodegradation Not determined.

Biological oxygen demand Not determined.

Chemical oxygen demand Not determined.

Ecological information on ingredients.

2-BUTOXYETHYL ACETATE

Persistence and degradability The product is biodegradable.

Phototransformation No information required.
- :
REACH dossier information.

Stability (hydrolysis) No information required.
REACH dossier information.

Biodegradation Degradation (%)
water - Degradation (%) 88: 28 days
REACH dossier information.
water - Degradation (%) 97: 7 days
REACH dossier information.
water - Degradation (%) 90: > 6.5 days
REACH dossier information.
The substance is readily biodegradable.

Methoxypropoxypropanol

Persistence and degradability The product is expected to be biodegradable.

2-HYDROXYETHYL METHACRYLATE

Persistence and degradability The product is biodegradable.

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE

Persistence and degradability No data available.

TRIPHENYL PHOSPHINE

Persistence and degradability The product is not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential Not determined.

Partition coefficient Not determined.

Ecological information on ingredients.

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2-BUTOXYETHYL ACETATE

Bioaccumulative potential REACH dossier information.

Partition coefficient log Pow: 1.51 REACH dossier information.

2-HYDROXYETHYL METHACRYLATE

Bioaccumulative potential Bioaccumulation is unlikely to be significant because of the low water-solubility of this product.

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE

Bioaccumulative potential No data available on bioaccumulation.

TRIPHENYL PHOSPHINE

Partition coefficient : >2.587

12.4. Mobility in soil

Adsorption/desorption coefficient Not determined.

Henry's law constant Not determined.

Surface tension Not determined.

Ecological information on ingredients.

2-BUTOXYETHYL ACETATE

Surface tension Not available.

2-METHYL-1-(4-METHYLTHIOPHENYL)-2-MORPHOLINOPROPAN-1-ONE

Mobility The product is insoluble in water.

TRIPHENYL PHOSPHINE

Mobility The product has poor water-solubility.

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.

2-BUTOXYETHYL ACETATE

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 None known.

SECTION 13: Disposal considerations

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13.1. Waste treatment methods

General information Waste is classified as hazardous waste.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Residues and empty containers should be taken care of as hazardous waste according to local and national provisions.

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

14.2. UN proper shipping name

14.3. Transport hazard class(es)

14.4. Packing group

14.5. Environmental hazards

14.6. Special precautions for user

14.7. Transport in bulk according to Annex II of MARPOL73/78 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

National regulations Health and Safety at Work etc. Act 1974 (as amended).
The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended).
The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
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), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.
Canadian Controlled Products Regulations: This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR.

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).
Dangerous Preparations Directive 1999/45/EC.
Dangerous Substances Directive 67/548/EEC.

Health and environmental listings None of the ingredients are listed.

Authorisations (Title VII Regulation 1907/2006) No specific authorisations are known for this product.

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Restrictions (Title VIII Regulation 1907/2006)	No specific restrictions on use are known for this product.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Classification procedures according to Regulation (EC) 1272/2008	: Calculation method.
Issued by	HS&E Manager.
Revision date	04/06/2015
Revision	3
Supersedes date	02/06/2015
SDS number	20248
Risk phrases in full	R22 Harmful if swallowed. R36 Irritating to eyes. R36/37/38 Irritating to eyes, respiratory system and skin. R36/38 Irritating to eyes and skin. R43 May cause sensitisation by skin contact. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard statements in full	H302 Harmful if swallowed. H312 Harmful in contact with skin. H315 Causes skin irritation. H317 May cause an allergic skin reaction. H319 Causes serious eye irritation. H332 Harmful if inhaled. H373 May cause damage to organs (Central nervous system) through prolonged or repeated exposure. H411 Toxic to aquatic life with long lasting effects.