

Version: 3.1

Safety Data Sheet EGC11-US

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Issue date: 08/12/2015 Revision date: 01/06/2020 Supersedes: 10/11/2019

SECTION 1: Identification

1.1. Identification

Product form : Mixture

Trade name : EGC11 4:1 UNIVERSAL OVERALL CLEARCOAT

Product code : EGC11

1.2. Recommended use and restrictions on use

Recommended use : Topcoat

Restrictions on use : Consumer uses: Private households (= general public = consumers)

1.3. Supplier

U-POL US Inc 108 Commerce Way Easton PA 18040 - USA

T 1-800-340-7824 - F 1-800-787-5150 technicalsupport@u-pol.com - www.u-pol.com

1.4. Emergency telephone number

Emergency number : CHEMTREC - 1-800-424-9300

SECTION 2: Hazard(s) identification

2.1. Classification of the substance or mixture

GHS US classification

Flammable liquids Category 2 Skin corrosion/irritation Category 2

Serious eye damage/eye irritation Category 2

Skin sensitization, Category 1 Carcinogenicity Category 2

Specific target organ toxicity (single exposure) Category 3

Specific target organ toxicity (single exposure) Category 3 Specific target organ toxicity (repeated exposure)

Specific target organ to Category 2

Hazardous to the aquatic environment - Chronic Hazard

Category 3

Highly flammable liquid and vapor

Causes skin irritation

Causes serious eye irritation

May cause an allergic skin reaction

Suspected of causing cancer May cause respiratory irritation

May cause drowsiness or dizziness

May cause damage to organs (hearing organs) through prolonged or repeated exposure

(Inhalation)

Harmful to aquatic life with long lasting effects

2.2. GHS Label elements, including precautionary statements

GHS US labeling

Hazard pictograms (GHS US)







Signal word (GHS US) : Danger

Hazard statements (GHS US) : Highly flammable liquid and vapor

Causes skin irritation

May cause an allergic skin reaction Causes serious eye irritation May cause respiratory irritation May cause drowsiness or dizziness Suspected of causing cancer

May cause damage to organs (hearing organs) through prolonged or repeated exposure

(Inhalation)

Harmful to aquatic life with long lasting effects

Precautionary statements (GHS US) : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

Do not breathe fume, spray, vapors. Wash hands thoroughly after handling.

Wear face protection, protective clothing, protective gloves. If exposed or concerned: Get medical advice/attention. If eye irritation persists: Get medical advice/attention.

Dispose of contents/container to hazardous or special waste collection point, in accordance

with local, regional, national and/or international regulation.

03/25/2020 EN (English US) SDS ID: EGC11-US Page 1

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

2.3. Other hazards which do not result in classification

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS US classification
reaction mass of ethylbenzene, m-xylene and p-xylene		5 – 43	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
xylene	(CAS-No.) 1330-20-7	5 – 23	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
methyl acetate	(CAS-No.) 79-20-9	5 – 23	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
acetone	(CAS-No.) 67-64-1	5 – 23	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
ethylbenzene	(CAS-No.) 100-41-4	5 – 23	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation:vapour), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304
solvent naphtha (petroleum), light aromatic	(CAS-No.) 64742-95-6	< 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
2-butoxyethyl acetate, butylglycol acetate	(CAS-No.) 112-07-2	< 5	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332
4-methylpentan-2-one, isobutyl methyl ketone	(CAS-No.) 108-10-1	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Acute Tox. 4 (Inhalation:vapour), H332 Eye Irrit. 2, H319 Carc. 2, H351 STOT SE 3, H335
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	(CAS-No.) 104810-47-1	< 5	Skin Sens. 1, H317 Aquatic Chronic 2, H411
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	(CAS-No.) 1065336-91-5	< 5	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of hazard classes and H-statements : see section 16

SECTION 4: First-aid measures

4.1. Description of first aid measures

First-aid measures general : IF exposed or concerned: Get medical advice/attention.

First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing. Call a poison

center/doctor/physician if you feel unwell.

03/25/2020 EN (English US) SDS ID: EGC11-US 2/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

First-aid measures after skin contact : Rinse skin with water/shower. Remove/Take off immediately all contaminated clothing. If skin

irritation or rash occurs: Get medical advice/attention.

First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to

do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

First-aid measures after ingestion : Call a poison center/doctor/physician if you feel unwell.

4.2. Most important symptoms and effects (acute and delayed)

Symptoms/effects : May cause drowsiness or dizziness.
Symptoms/effects after inhalation : May cause respiratory irritation.

Symptoms/effects after skin contact : Irritation. May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

4.3. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

5.2. Specific hazards arising from the chemical

Fire hazard : Highly flammable liquid and vapor.

Reactivity : Highly flammable liquid and vapor.

5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing

apparatus. Complete protective clothing.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment : Protective clothing. Safety glasses. Gloves.

Emergency procedures : Ventilate spillage area. No open flames, no sparks, and no smoking. Do not breathe vapors,

spray, fume. Avoid contact with skin and eyes.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information

refer to section 8: "Exposure controls/personal protection".

6.2. Environmental precautions

Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment : Collect spillage. Contain released product, pump into suitable containers.

Methods for cleaning up : Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public

waters.

Other information : Dispose of materials or solid residues at an authorized site.

6.4. Reference to other sections

For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe vapors, fume. Use only outdoors or in a well-ventilated area. Avoid

contact with skin and eyes.

Hygiene measures : Wash contaminated clothing before reuse. Contaminated work clothing should not be allowed

out of the workplace. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

03/25/2020 EN (English US) SDS ID: EGC11-US 3/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Ground/bond container and receiving equipment.

Storage conditions : Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.

Storage temperature : < 25 °C

Storage area : Store in a well-ventilated place.
Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

xylene (1330-20-7)		
ACGIH	Local name	Xylene, mixed isomers (Dimethylbenzene)
ACGIH	ACGIH TWA (ppm)	100 ppm
ACGIH	ACGIH STEL (ppm)	150 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
methyl acetate (79-	-20-9)	
ACGIH	Local name	Methyl acetate
ACGIH	ACGIH TWA (ppm)	200 ppm
ACGIH	ACGIH STEL (ppm)	250 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: Headache; dizziness; nausea; eye dam (degeneration of ganglion cells in the retina)
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	610 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	200 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
acetone (67-64-1)		
ACGIH	Local name	Acetone
ACGIH	ACGIH TWA (ppm)	250 ppm
ACGIH	ACGIH STEL (ppm)	500 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT & eye irr; CNS impair. Notations: A4 (Not classifiable as a Human Carcinogen); BEI
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	2400 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	1000 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
ethylbenzene (100-	-41-4)	
ACGIH	Local name	Ethylbenzene
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT irr; kidney dam (nephropathy); cochlear impair. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	435 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm

03/25/2020 EN (English US) SDS ID: EGC11-US 4/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ethylbenzene (100-	41-4)	
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
4-methylpentan-2-o	ne, isobutyl methyl ketone (108-10-1)	
ACGIH	Local name	Methyl isobutyl ketone
ACGIH	ACGIH TWA (ppm)	20 ppm
ACGIH	ACGIH STEL (ppm)	75 ppm
ACGIH	Remark (ACGIH)	TLV® Basis: URT irr; dizziness; headache. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans); BEI
ACGIH	Regulatory reference	ACGIH 2019
OSHA	OSHA PEL (TWA) (mg/m³)	410 mg/m³
OSHA	OSHA PEL (TWA) (ppm)	100 ppm
OSHA	Regulatory reference (US-OSHA)	OSHA Annotated Table Z-1
solvent naphtha (petroleum), light aromatic (64742-95-6)		

Not applicable

reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-47-1)

Not applicable

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

Not applicable

2-butoxyethyl acetate, butylglycol acetate (112-07-2)		
Local name	2-Butoxyethyl acetate (EGBEA)	
ACGIH TWA (ppm)	20 ppm	
Remark (ACGIH)	TLV® Basis: Hemolysis. Notations: A3 (Confirmed Animal Carcinogen with Unknown Relevance to Humans)	
Regulatory reference	ACGIH 2019	
	Local name ACGIH TWA (ppm) Remark (ACGIH)	

eaction mass of ethylbenzene, m-xylene and p-xylene
lot applicable

8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.

Environmental exposure controls : Avoid release to the environment.

8.3. Individual protection measures/Personal protective equipment

Personal protective equipment:

Gas mask. Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is sprayed

03/25/2020 EN (English US) SDS ID: EGC11-US 5/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Personal protective equipment symbol(s):











SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
Appearance : Liquid.
: Colorless
: aromatic

Odor threshold : No data available pH : No data available Melting point : Not applicable Freezing point : No data available

Boiling point : > 35 °C Flash point : < 0 °C

Relative evaporation rate (butyl acetate=1) : No data available Flammability (solid, gas) : Not applicable.

Vapor pressure : No data available Relative vapor density at 20 °C : No data available Relative density : No data available Specific gravity / density : 0.915 – 0.95 g/cm³

Solubility : insoluble in water. soluble in most organic solvents.

Partition coefficient n-octanol/water (Log Pow) : No data available Auto-ignition temperature : No data available Decomposition temperature : No data available : No data available Viscosity, kinematic Viscosity, dynamic : No data available **Explosion limits** : No data available Explosive properties : No data available Oxidizing properties : No data available

9.2. Other information

As Packaged Regulatory VOC : 577 g/l (4.82 lb/gal)
As Packaged Actual VOC : 476 g/l (3.97 lb/gal)
As Applied Regulatory VOC : 615 g/l (5.13 lb/gal)
As Applied Actual VOC : 537 g/l (4.48 lb/gal)

 Water Content
 0 wt%

 Exempt Compounds by volume
 : 17.5 vol %

 Exempt Compounds by weight
 : 16.0 wt%

 Volatiles
 : 66.7 wt%

 % HAPS
 : 25.0 wt%

 Percent Solids
 : 33.29 wt%

SECTION 10: Stability and reactivity

10.1. Reactivity

Highly flammable liquid and vapor.

10.2. Chemical stability

Stable under normal conditions.

03/25/2020 EN (English US) SDS ID: EGC11-US 6/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity (oral) : Not classified
Acute toxicity (dermal) : Not classified
Acute toxicity (inhalation) : Not classified

xylene (1330-20-7)	
LD50 oral rat	3523 mg/kg body weight (Equivalent or similar to EU Method B.1: Acute Toxicity (Oral), Rat, Male, Experimental value, Oral, 14 day(s))
LD50 dermal rat	12126 mg/kg (Non-GLP, read-across from supporting substance, single dermal dose under occlusion followed by observation for 14 days)
LD50 dermal rabbit	12126 mg/kg body weight Animal: rabbit, Animal sex: male
LC50 inhalation rat (ppm)	6700 ppm/4h (EU Method B.2 (Acute Toxicity (Inhalation)), 4h, rat, male)
ATE US (oral)	3523 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	6700 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

7112 00 (ddot; ffilot)	1.5 mg// m
methyl acetate (79-20-9)	
LD50 oral rat	6482 mg/kg body weight (Equivalent or similar to OECD 401, Rat, Male, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	49 mg/l
ATE US (oral)	6482 mg/kg body weight
ATE US (vapors)	49 mg/l/4h
ATE US (dust, mist)	49 mg/l/4h

acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value, Oral)
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	76 mg/l (Other, 4 h, Rat, Female, Experimental value, Inhalation (vapours))
ATE US (oral)	5800 mg/kg body weight
ATE US (dermal)	20000 mg/kg body weight
ATE US (vapors)	76 mg/l/4h
ATE US (dust, mist)	76 mg/l/4h

ethylbenzene (100-41-4)		
LD50 oral rat	3500 mg/kg (Rat, Male / female, Experimental value, Oral)	
LD50 dermal rabbit	15432 mg/kg body weight (24 h, Rabbit, Male, Experimental value, Dermal)	
LC50 inhalation rat (mg/l)	17.8 mg/l (4 h, Rat, Male, Experimental value, Inhalation (vapours))	
ATE US (oral)	3500 mg/kg body weight	
ATE US (dermal)	15432 mg/kg body weight	
ATE US (vapors)	17.8 mg/l/4h	
ATE US (dust, mist)	17.8 mg/l/4h	

4-methylpentan-2-one, isobutyl methyl ketone	e (108-10-1)
LD50 oral rat	2080 mg/kg (Equivalent or similar to OECD 401, Rat, Experimental value, Oral)

03/25/2020 EN (English US) SDS ID: EGC11-US 7/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4-methylpentan-2-one, isobutyl methyl keton	,
LD50 dermal rat	≥ 2000 mg/kg body weight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
LC50 inhalation rat (mg/l)	8.2 – 16.4 mg/l (Equivalent or similar to OECD 403, 4 h, Rat, Experimental value, Inhalation (vapours))
ATE US (oral)	2080 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	8.2 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
solvent naphtha (petroleum), light aromatic (64742-95-6)
LD50 oral rat	3592 mg/kg (OECD Test Guideline 401, rat)
LD50 dermal rabbit	> 3160 mg/kg (OECD Test Guideline 402)
ATE US (oral)	3592 mg/kg body weight
	-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1)
LD50 oral rat	> 5000 mg/kg (OECD Guideline No. 401 (equivalent to Annex V), limit test, rat, male/female)
LD50 dermal rat	> 2000 mg/kg (OECD Guideline No. 402 (equivalent to Annex V), limit test, rat, male/female)
LC50 inhalation rat (mg/l)	5800 mg/l (OECD Guideline 403, 14d, rat)
ATE US (vapors)	5800 mg/l/4h
ATE US (dust, mist)	5800 mg/l/4h
reaction mass of bis(1,2,2,6,6-pentamethyl-4-	piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)
LD50 oral rat	3230 mg/kg (OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method), rat, male/female)
LD50 dermal rat	> 3170 mg/kg (OECD Guideline 402 (Acute Dermal Toxicity), read-across,
ATE US (oral)	3230 mg/kg body weight
2-butoxyethyl acetate, butylglycol acetate (11	2-07-2)
LD50 oral rat	1880 mg/kg (OECD 401: Acute Oral Toxicity, Rat, Male / female, Experimental value, Oral)
LD50 dermal rabbit	1500 mg/kg (24 h, Rabbit, Experimental value, Dermal)
ATE US (oral)	1880 mg/kg body weight
ATE US (dermal)	1500 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
reaction mass of ethylbenzene, m-xylene and	p-xylene
LD50 oral rat	3523 mg/kg (EU Method B.1 (Acute Toxicity (Oral), rat, male)
LD50 dermal rabbit	12126 mg/kg (Weight of evidence, New Zealand White)
LC50 inhalation rat (ppm)	6350 ppm/4h (4 h, EU Method B.2 (Acute Toxicity (Inhalation)), rat, male, Inhalation, vapours)
ATE US (oral)	3523 mg/kg body weight
ATE US (dermal)	1100 mg/kg body weight
ATE US (gases)	6350 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitization	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Suspected of causing cancer.
xylene (1330-20-7)	
IARC group	3 - Not classifiable
<u> </u>	
ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans

03/25/2020 EN (English US) SDS ID: EGC11-US 8/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4-methylpentan-2-one, isobutyl methyl ke		
IARC group	2B - Possibly carcinogenic to humans	
Reproductive toxicity	: Not classified	
STOT-single exposure	: May cause respiratory irritation. May cause drowsiness or dizziness.	
xylene (1330-20-7)		
STOT-single exposure	May cause respiratory irritation.	
methyl acetate (79-20-9)		
STOT-single exposure	May cause drowsiness or dizziness.	
acetone (67-64-1)		
STOT-single exposure	May cause drowsiness or dizziness.	
4-methylpentan-2-one, isobutyl methyl ke	, ,	
STOT-single exposure	May cause respiratory irritation.	
solvent naphtha (petroleum), light aroma	tic (64742-95-6)	
STOT-single exposure	May cause drowsiness or dizziness. May cause respiratory irritation.	
reaction mass of ethylbenzene, m-xylene		
STOT-single exposure	May cause respiratory irritation.	
STOT-repeated exposure	: May cause damage to organs (hearing organs) through prolonged or repeated exposu (Inhalation).	re
xylene (1330-20-7)		
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Toxicity)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
methyl acetate (79-20-9)		
LOAEC (inhalation,rat,vapour,90 days)	2000 mg/l	
NOAEC (inhalation,rat,vapour,90 days)	1057 mg/m³	
ethylbenzene (100-41-4)		
NOAEL (oral,rat,90 days)	75 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 90 Oral Toxicity in Rodents))-Day
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
4-methylpentan-2-one, isobutyl methyl ke	etone (108-10-1)	
LOAEL (oral,rat,90 days)	1000 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose Oral Toxicity in Rodents)	90-Day
NOAEL (oral,rat,90 days)	250 mg/kg body weight Animal: rat, Guideline: OECD Guideline 408 (Repeated Dose 9 Oral Toxicity in Rodents)	90-Day
NOAEC (inhalation,rat,vapour,90 days)	4.106 mg/l air Animal: rat, Guideline: OECD Guideline 413 (Subchronic Inhalation Toxi Day Study)	city: 90-
reaction mass of ethylbenzene, m-xylene		
LOAEL (oral,rat,90 days)	150 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), Guideline: EPA OPP 82-1 (90-Day Toxicity)	
NOAEL (oral,rat,90 days)	150 mg/kg bodyweight/day (OECD Guideline 408 (Repeated Dose 90-Day Oral Toxicity in Rodents), female)	
STOT-repeated exposure	May cause damage to organs through prolonged or repeated exposure.	
spiration hazard	: Not classified	
/iscosity, kinematic	: No data available	
Symptoms/effects	: May cause drowsiness or dizziness.	
Symptoms/effects after inhalation	: May cause diowsiness of dizziness. : May cause respiratory irritation.	
Symptoms/effects after skin contact	: Irritation. May cause an allergic skin reaction.	
03/25/2020	EN (English US) SDS ID: EGC11-US	9/16

03/25/2020 EN (English US) SDS ID: EGC11-US 9/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Symptoms/effects after eye contact : Eye irritation.

SECTION 12: Ecological information

SECTION 12: Ecological information			
12.1. Toxicity			
Ecology - general	: Harmful to aquatic life with long lasting effects.		
xylene (1330-20-7)			
LC50 fish 1	2.6 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static renewal, Fresh water, Read-across, Lethal)		
EC50 Daphnia 1	> 3.4 mg/l Test organisms (species): Ceriodaphnia dubia		
ErC50 (algae)	4.36 mg/l (OECD 201: Alga, Growth Inhibition Test, 73 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, GLP)		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		
methyl acetate (79-20-9)			
LC50 fish 1	250 – 350 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Static system, Fresh water, Experimental value, GLP)		
EC50 Daphnia 1	1026.7 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)		
acetone (67-64-1)			
LC50 fish 1	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value, Nominal concentration)		
LOEC (chronic)	> 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
NOEC (chronic)	≥ 79 mg/l Test organisms (species): Daphnia magna Duration: '21 d'		
ethylbenzene (100-41-4)			
LC50 fish 1	4.2 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Salmo gairdneri, Semi-static system, Fresh water, Experimental value)		
EC50 Daphnia 1	2.1 (1.8 – 2.4) mg/l (US EPA, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)		
LOEC (chronic)	1.7 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'		
NOEC (chronic)	0.96 mg/l Test organisms (species): Ceriodaphnia dubia Duration: '7 d'		
4-methylpentan-2-one, isobutyl methyl ketone	e (108-10-1)		
LC50 fish 1	600 mg/l (96 h, Salmo gairdneri, Fresh water, Literature study)		
EC50 Daphnia 1	> 200 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)		
LC50 fish 2	> 179 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Danio rerio, Static system, Fresh water, Experimental value, GLP)		
reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene	-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1)		
LC50 fish 1	2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value, Nominal concentration)		
EC50 Daphnia 1	4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value, Nominal concentration)		
ErC50 (algae)	> 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value, Nominal concentration)		
2-butoxyethyl acetate, butylglycol acetate (11	2-07-2)		
LC50 fish 1	20 – 40 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Fresh water, Experimental value)		
EC50 Daphnia 1	37 mg/l (DIN 38412-11, 48 h, Daphnia magna, Static system, Fresh water, Experimental value)		
ErC50 (algae)	1570 mg/l (ISO 8692, 72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimental value)		
reaction mass of ethylbenzene, m-xylene and	p-xylene		
LC50 fish 1	3300 – 4093 µg/l		
EC50 Daphnia 1	2930 – 4000 µg/l		
NOEC chronic fish	> 1.3 mg/l Test organisms (species): Oncorhynchus mykiss (previous name: Salmo gairdneri) Duration: '56 d'		
20/25/2020	FN (Facilish US)		

03/25/2020 EN (English US) SDS ID: EGC11-US 10/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Persistence and degradability

2.2. I diolotorio dila dogradamity			
xylene (1330-20-7)			
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.		
methyl acetate (79-20-9)			
Persistence and degradability	Readily biodegradable in water. Inherently biodegradable.		
acetone (67-64-1)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	1.43 g O₂/g substance		
Chemical oxygen demand (COD)	1.92 g O₂/g substance		
ThOD	2.2 g O₂/g substance		
BOD (% of ThOD)	0.872 (20 day(s), Literature study)		
ethylbenzene (100-41-4)			
Persistence and degradability	Biodegradable in the soil. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	1.44 g O₂/g substance		
Chemical oxygen demand (COD)	2.1 g O₂/g substance		
ThOD	3.17 g O₂/g substance		
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)			
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.		
Biochemical oxygen demand (BOD)	2.06 g O₂/g substance		
Chemical oxygen demand (COD)	2.16 g O₂/g substance		
ThOD	2.72 g O₂/g substance		
BOD (% of ThOD)	0.76		
solvent naphtha (petroleum), light aromatic (64742-95-6)			
Persistence and degradability	May cause long-term adverse effects in the environment.		
2-butoxyethyl acetate, butylglycol acetate (112-07-2)			
Persistence and degradability	Readily biodegradable in water.		
ThOD	2.1 g O₂/g substance		

Bioaccumulative potential 12.3.

xylene (1330-20-7)			
BCF fish 1	7.2 – 25.9 (56 day(s), Oncorhynchus mykiss, Flow-through system, Fresh water, Read-across)		
Partition coefficient n-octanol/water (Log Pow)	3.2 (Read-across, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
methyl acetate (79-20-9)			
BCF fish 1	< 1 (Pisces, Literature study)		
Partition coefficient n-octanol/water (Log Pow)	0.37 (Calculated, KOWWIN, 25 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		
acetone (67-64-1)			
BCF fish 1	0.69 (Pisces)		
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)		
Partition coefficient n-octanol/water (Log Pow)	-0.24 (Test data)		
Bioaccumulative potential	Not bioaccumulative.		
ethylbenzene (100-41-4)			
BCF fish 1	1 – 2.4 (Other, 6 week(s), Oncorhynchus kisutch, Flow-through system, Salt water, Experimental value)		
Partition coefficient n-octanol/water (Log Pow)	3.6 (Experimental value, EU Method A.8: Partition Coefficient, 20 °C)		
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).		

03/25/2020 EN (English US) SDS ID: EGC11-US 11/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)				
BCF fish 1	2 – 5 (Pisces, Estimated value)			
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)			
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).			
solvent naphtha (petroleum), light aromatic (64742-95-6)				
Partition coefficient n-octanol/water (Log Pow)	2.1 – 6			
Bioaccumulative potential	Not established.			
	-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1)			
benzotriazol-2-yl)-5-tert-butyl-4-hydroxypheny	yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-			
benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl hydroxyphenyl)propionyloxypoly(oxyethylene	yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1) 2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental			
benzotriazol-2-yl)-5-tert-butyl-4-hydroxypheny hydroxyphenyl)propionyloxypoly(oxyethylend BCF fish 1	yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1) 2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C)			
benzotriazol-2-yl)-5-tert-butyl-4-hydroxypheny hydroxyphenyl)propionyloxypoly(oxyethylene BCF fish 1 Partition coefficient n-octanol/water (Log Pow)	yl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- e) (104810-47-1) 2658 – 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C)			

12.4. **Mobility in soil**

xylene (1330-20-7) Surface tension 28.01 – 29.76 mN/m (25 °C) Partition coefficient n-octanol/water (Log Koc) 2.73 (log Koc, Equivalent or similar to OECD 121, Read-across) Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. methyl acetate (79-20-9) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental va GLP) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value) <th></th> <th></th>				
Partition coefficient n-octanol/water (Log Koc) Ecology - soil Description coefficient n-octanol/water (Log Koc) Ecology - soil Description coefficient n-octanol/water (Log Koc) Partition coefficient n-octanol/water (Log Koc) Partition coefficient n-octanol/water (Log Koc) Partition coefficient n-octanol/water (Log Koc) Ecology - soil Description coefficient n-octanol/water (Log Koc) Ecology - soil Ecology - soil	xylene (1330-20-7)			
Ecology - soil Low potential for adsorption in soil. May be harmful to plant growth, blooming and fruit formation. methyl acetate (79-20-9) Surface tension O.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) Partition coefficient n-octanol/water (Log Koc) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension O.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension O.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension O.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Surface tension	28.01 – 29.76 mN/m (25 °C)		
methyl acetate (79-20-9) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental van GLP) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Partition coefficient n-octanol/water (Log Koc)	2.73 (log Koc, Equivalent or similar to OECD 121, Read-across)		
Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental va GLP) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Ecology - soil			
Partition coefficient n-octanol/water (Log Koc) 0.18 (log Koc, OECD 121: Estimation of the Adsorption Coefficient (Koc) on Soil and on Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental van GLP) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	methyl acetate (79-20-9)			
Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental va GLP) Ecology - soil Highly mobile in soil. acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Surface tension	0.024 N/m (20 °C)		
acetone (67-64-1) Surface tension 0.0237 N/m Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Partition coefficient n-octanol/water (Log Koc)	Sewage Sludge using High Performance Liquid Chromatography (HPLC), Experimental value,		
Surface tension Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension O.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension O.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Ecology - soil	Highly mobile in soil.		
Ecology - soil No (test)data on mobility of the substance available. ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	acetone (67-64-1)			
ethylbenzene (100-41-4) Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Surface tension	0.0237 N/m		
Surface tension 0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Ecology - soil	No (test)data on mobility of the substance available.		
Partition coefficient n-octanol/water (Log Koc) Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.71 (log Koc, PCKOCWIN v1.66, QSAR) Low potential for adsorption in soil. Toxic to soil organisms.	ethylbenzene (100-41-4)			
Ecology - soil Low potential for adsorption in soil. Toxic to soil organisms. 4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension O.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Surface tension	0.071 N/m (23 °C, 0.0582 g/l, EU Method A.5: Surface tension)		
4-methylpentan-2-one, isobutyl methyl ketone (108-10-1) Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Partition coefficient n-octanol/water (Log Koc)	2.71 (log Koc, PCKOCWIN v1.66, QSAR)		
Surface tension 0.024 N/m (20 °C) Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	Ecology - soil	Low potential for adsorption in soil. Toxic to soil organisms.		
Partition coefficient n-octanol/water (Log Koc) 2.008 (log Koc, Weight of evidence, Calculated value)	4-methylpentan-2-one, isobutyl methyl ketone	e (108-10-1)		
	Surface tension	0.024 N/m (20 °C)		
Ecology - soil Low potential for adsorption in soil.	Partition coefficient n-octanol/water (Log Koc)	2.008 (log Koc, Weight of evidence, Calculated value)		
	Ecology - soil	Low potential for adsorption in soil.		

2-butoxyethyl acetate, butylglycol acetate (112-07-2)			
Surface tension 0.026 N/m (20 °C)			
Ecology - soil No straightforward conclusion can be drawn based upon the available numerical values.			

12.5. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1.	Disposal methods			
Region	al legislation (waste)	: Disposal must be done accor	ding to official regulations.	
Waste	treatment methods	: Dispose of contents/containe	r in accordance with licensed collector's sorting i	nstructions.
03/25/20	020	EN (English US)	SDS ID: EGC11-US	12/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Additional information

: Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT

Not applicable

Transportation of Dangerous Goods

Not applicable

Transport by sea

Not applicable

Air transport

Not applicable

SECTION 15: Regulatory information

15.1. US Federal regulations

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

xylene, mixture of isomers	CAS-No. 1330-20-7	5 – 23%
ethylbenzene	CAS-No. 100-41-4	5 – 23%
isobutyl methyl ketone	CAS-No. 108-10-1	< 5%

xylene (1330-20-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Listed on EPA Hazardous Air Pollutant (HAPS)		
Listed on EPA Hazardous Air Pollutant (HAPS)		
CERCLA RQ 100 lb		
mathyl acetate (70-20-0)		

methyl acetate (79-20-9)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

acetone (67-64-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

CERCLA RQ 5000 lb

ethylbenzene (100-41-4)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 1000 lb

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Listed on EPA Hazardous Air Pollutant (HAPS)

Listed on EPA Hazardous Air Pollutant (HAPS)

CERCLA RQ 5000 lb

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

03/25/2020 EN (English US) SDS ID: EGC11-US 13/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxyphenyl)goxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-47-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

EPA TSCA Regulatory Flag

FRI - FRI - indicates a polymeric substance containing no free-radical initiator in its Inventory name but is considered to cover the designated polymer made with any free-radical initiator regardless of the amount used.

PMN - PMN - indicates a commenced PMN substance.

XU - XU - indicates a substance exempt from reporting under the Chemical Data Reporting Rule. (40 CFR 711).

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

2-butoxyethyl acetate, butylglycol acetate (112-07-2)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

reaction mass of ethylbenzene, m-xylene and p-xylene

Listed on the United States TSCA (Toxic Substances Control Act) inventory

15.2. International regulations

CANADA

xylene (1330-20-7)

Listed on the Canadian DSL (Domestic Substances List)

methyl acetate (79-20-9)

Listed on the Canadian DSL (Domestic Substances List)

acetone (67-64-1)

Listed on the Canadian DSL (Domestic Substances List)

ethylbenzene (100-41-4)

Listed on the Canadian DSL (Domestic Substances List)

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on the Canadian DSL (Domestic Substances List)

solvent naphtha (petroleum), light aromatic (64742-95-6)

Listed on the Canadian DSL (Domestic Substances List)

reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) (104810-47-1)

Listed on the Canadian DSL (Domestic Substances List)

reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate (1065336-91-5)

Listed on the Canadian DSL (Domestic Substances List)

2-butoxyethyl acetate, butylglycol acetate (112-07-2)

Listed on the Canadian DSL (Domestic Substances List)

reaction mass of ethylbenzene, m-xylene and p-xylene

Listed on the Canadian DSL (Domestic Substances List)

EU-Regulations

No additional information available

National regulations

ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

4-methylpentan-2-one, isobutyl methyl ketone (108-10-1)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

03/25/2020 EN (English US) SDS ID: EGC11-US 14/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

MARNING:

This product can expose you to 4-methylpentan-2-one, isobutyl methyl ketone, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Component	Carcinogenicity	Developmental toxicity	Reproductive toxicity male	Reproductive toxicity female	No significant risk level (NSRL)	Maximum allowable dose level (MADL)
ethylbenzene(100-41- 4)	X				54 μg/day (inhalation); 41 μg/day (oral)	
4-methylpentan-2-one, isobutyl methyl ketone(108-10-1)	X	X				
toluene(108-88-3)		Х				7000 µg/day

Component	State or local regulations
ethylbenzene(100-41-4)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
xylene(1330-20-7)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
methyl acetate(79-20-9)	U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
4-methylpentan-2-one, isobutyl methyl ketone(108-10-1)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
acetone(67-64-1)	U.S Delaware - Pollutant Discharge Requirements - Reportable Quantities; U.S Idaho - Non-Carcinogenic Toxic Air Pollutants - Acceptable Ambient Concentrations; U.S Massachusetts - Right To Know List; U.S New Jersey - Right to Know Hazardous Substance List; U.S New York City - Right to Know Hazardous Substances List; U.S Pennsylvania - RTK (Right to Know) List
2-butoxyethyl acetate, butylglycol acetate(112-07-2)	U.S New Jersey - Right to Know Hazardous Substance List

SECTION 16: Other information

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Revision date : 01/06/2020

NFPA health hazard : 2 - Materials that, under emergency conditions, can cause

temporary incapacitation or residual injury.

NFPA fire hazard : 3 - Liquids and solids (including finely divided suspended

solids) that can be ignited under almost all ambient

temperature conditions.

NFPA reactivity : 1 - Materials that in themselves are normally stable but can

become unstable at elevated temperatures and pressures.



SDS US GHS (GHS HazCom2012)

03/25/2020 EN (English US) SDS ID: EGC11-US 15/16

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

For professional use only.

The information contained within this Safety Data Sheet (SDS) is believed to be correct as of the date issued however it is subject to change from time to time. It does not purport to be all inclusive or exhaustive and shall only be used as a guide. U-POL makes no warranties, expressed or implied, including but not limited to, any implied of interest for a given purpose or usage. It is the Buyers exhaustive and shall only be used as a given. O-POL makes no warrantes, expressed or implied, including our not infinited to, any implied warranty or intriess for a given purpose or usage. It is the Buyers responsibility to ensure the suitability of the products for their own use and to check the information is up to date. U-POL cannot be held responsible for the suitability of use for any of its products, considering the wide range of factors such as application, substrates and handling methods. Since these conditions of use are outside of our control, the company shall not be held liable for any damage resulting from handling or from contact with the product detailed. Moreover, addition of reducers, hardeners or other additives over and above U-POL's recommendations for use, may substantially after the composition and hazards of the product. U-POL data sheets are available via the U-POL website at WWW.U-POL.COM.

03/25/2020 EN (English US) SDS ID: EGC11-US 16/16