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

1.1 Product identifier

Womix 2K Plastic welding flex/Womix 2K Plastic repair flex (Part A)

Article number: 5570245, 5570246, 5570247

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Service Best B.V.
De Run 4271
5503 LM Veldhoven/ the Netherlands
Phone +31(0)40 230 2300
Fax +31 (0)40 230 2302
Homepage
E-mail info@servicebest.com

Address enquiries to

Technical information info@servicebest.com

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +31 (0) 30 2748888

Company

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Carc. 2: H351 Suspected of causing cancer.
Acute Tox. 4: H332 Harmful if inhaled.
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure.
Eye Irrit. 2: H319 Causes serious eye irritation.
Skin Irrit. 2: H315 Causes skin irritation.
STOT SE 3: H335 May cause respiratory irritation.
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

The product is required to be labelled in accordance with regulation (EC) No 1272/2008 (CLP).

Hazard pictograms

Signal word DANGER

Contains: Diphenylmethanediisocyanate, isomeres and homologues

MDI-based polyisocyanate prepolymer

4,4'-Methylenediphenyl diisocyanate

o-(p-isocyanatobenzyl)phenyl isocyanate

2,2'-methylenediphenyl diisocyanate

Hazard statements

H351 Suspected of causing cancer.
H332 Harmful if inhaled.
H373 May cause damage to organs through prolonged or repeated exposure.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H335 May cause respiratory irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P260 Do not breathe vapours.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves / eye protection / face protection.
P304+P340 IF INHALED: Remove person to fresh air and keep 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+P311 IF exposed or concerned: Call a POISON CENTER / doctor /…
P405 Store locked up.
P501 Dispose of contents/container in accordance with local/national regulation.

Special labelling

EUH204 Contains isocyanates. May produce an allergic reaction.
Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

2.3 Other hazards

Human health dangers

Persons already sensitised to diisocyanates may develop allergic reactions when using this product. Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product. This product should not be used under conditions of poor ventilation unless a protective mask with an appropriate gas filter (i.e. type A1 according to standard EN 14387) is used.

Other hazards

Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
25 - 50	Diphenylmethanediisocyanate, isomeres and homologues
	CAS: 9016-87-9, EINECS/ELINCS: Polymer
	GHS/CLP: Skin Irrit. 2: H315 - Skin Sens. 1: H317 - Eye Irrit. 2: H319 - Acute Tox. 4: H332 - Resp. Sens. 1: H334 - STOT SE 3: H335 - Carc. 2: H351 - STOT RE 2: H373
25 - 50	MDI-based polyisocyanate prepolymer
	GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
10 - 20	4,4'-Methylenediphenyl diisocyanate
	CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX
	GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
5 - 10	o-(p-isocyanatobenzyl)phenyl isocyanate
	CAS: 5873-54-1, EINECS/ELINCS: 227-534-9, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119480143-45-XXXX
	GHS/CLP: Carc. 2: H351 - Acute Tox. 4: H332 - STOT RE 2: H373 - Eye Irrit. 2: H319 - STOT SE 3: H335 - Skin Irrit. 2: H315 - Resp. Sens. 1: H334 - Skin Sens. 1: H317
< 3	[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane
	CAS: 2530-83-8, EINECS/ELINCS: 219-784-2, Reg-No.: 01-2119513212-58-XXXX
	GHS/CLP: Eye Dam. 1: H318
< 1	2,2'-methylenediphenyl diisocyanate
	CAS: 2536-05-2, EINECS/ELINCS: 219-799-4, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119927323-43-XXXX
	GHS/CLP: Acute Tox. 4: H332 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Resp. Sens. 1: H334 - Skin Sens. 1: H317 - Carc. 2: H351 - STOT SE 3: H335 - STOT RE 2: H373

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation Remove the victim into fresh air and keep him calm.
In the event of symptoms seek medical treatment.

Skin contact In the event of contact with the skin wash immediately with polyethylene glycol, then with plenty of water.
Consult a doctor if skin irritation persists.

Eye contact In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

Ingestion Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.
Consult a doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media

Carbon dioxide.
Dry powder.
Sand.

Extinguishing media that must not be used

Full water jet

5.2 Special hazards arising from the substance or mixture

Nitrogen oxides (NOx).
Hydrogen cyanide (HCN).
Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Use self-contained breathing apparatus.
Wear full protective suit.

Collect contaminated firefighting water separately, must not be discharged into the drains.
Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, sawdust, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Provide suitable vacuuming at the processing machines.

Wash hands before breaks and after work.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Use barrier skin cream.
Keep away from food and drink.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.

Keep away from water.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep container tightly closed.
Keep container in a well-ventilated place.
Protect from atmospheric moisture and water.
Store in a dry place.
Do not keep at temperatures above 50 °C.
Keep away from frost.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Diphenylmethanediisocyanate, isomeres and homologues
CAS: 9016-87-9, EINECS/ELINCS: Polymer
Long-term exposure: 0,02 mg/m³, as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m³
4,4'-Methylenediphenyl diisocyanate
CAS: 101-68-8, EINECS/ELINCS: 202-966-0, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119457014-47-XXXX
Long-term exposure: 0,02 mg/m³, as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m³
o-(p-isocyanatobenzyl)phenyl isocyanate
CAS: 5873-54-1, EINECS/ELINCS: 227-534-9, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119480143-45-XXXX
Long-term exposure: 0,02 mg/m³, as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m³
2,2'-methylenediphenyl diisocyanate
CAS: 2536-05-2, EINECS/ELINCS: 219-799-4, EU-INDEX: 615-005-00-9, Reg-No.: 01-2119927323-43-XXXX
Long-term exposure: 0,02 mg/m³, as NCO, Sen
Short-term exposure (15-minute): 0,07 mg/m³

DNEL

Substance
2,2'-methylenediphenyl diisocyanate, CAS: 2536-05-2
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m³.
Industrial, inhalative, Acute - systemic effects: 0,1 mg/m³.
Industrial, inhalative, Acute - local effects: 0,1 mg/m³.
Industrial, dermal, Acute - local effects: 28,7 mg/cm².
Industrial, dermal, Acute - systemic effects: 50 mg/kg.
Industrial, inhalative, Long-term - local effects: 0,05 mg/m³.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane, CAS: 2530-83-8
Industrial, dermal, Long-term - systemic effects: 21 mg/kg.
Industrial, dermal, Acute - systemic effects: 21 mg/kg.
Industrial, inhalative, Long-term - systemic effects: 147 mg/m³.
Industrial, inhalative, Acute - systemic effects: 147 mg/m³.
o-(p-isocyanatobenzyl)phenyl isocyanate, CAS: 5873-54-1
Industrial, dermal, Acute - local effects: 28,7 mg/cm².
Industrial, inhalative, Long-term - local effects: 0,05 mg/m³.
Industrial, inhalative, Acute - systemic effects: 0,1 mg/m³.
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m³.
Industrial, inhalative, Acute - local effects: 0,1 mg/m³.
Industrial, dermal, Acute - systemic effects: 50 mg/kg.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
Industrial, dermal, Acute - local effects: 28,7 mg/cm².
Industrial, inhalative, Acute - local effects: 0,1 mg/m³.
Industrial, inhalative, Acute - systemic effects: 0,1 mg/m³.
Industrial, inhalative, Long-term - systemic effects: 0,05 mg/m³.

Industrial, inhalative, Long-term - local effects: 0,05 mg/m³.
Industrial, dermal, Acute - systemic effects: 50 mg/kg.

PNEC

Substance
2,2'-methylenediphenyl diisocyanate, CAS: 2536-05-2
soil, > 1 mg/kg.
seawater, > 0,1 mg/l.
freshwater, > 1 mg/l.
sewage treatment plants (STP), > 1 mg/l.
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane, CAS: 2530-83-8
seawater, 0,1 mg/l.
sediment, 0,79 mg/kg.
soil, 0,13 mg/kg.
freshwater, 1 mg/l.
o-(p-isocyanatobenzyl)phenyl isocyanate, CAS: 5873-54-1
sewage treatment plants (STP), > 1 mg/l.
freshwater, > 1 mg/l.
seawater, > 0,1 mg/l.
soil, > 1 mg/kg.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
seawater, > 0,1 mg/l.
soil, > 1 mg/kg.
sewage treatment plants (STP), > 1 mg/l.
freshwater, > 1 mg/l.

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Use suitable exhaust ventilation.

Eye protection
safety glasses (EN 166:2001)

Hand protection
The details concerned are recommendations. Please contact the glove supplier for further information.
>= 0,5 mm Butyl rubber, >480 min (EN 374-1/-2/-3).
>= 0,5 mm Nitrile rubber, >480 min (EN 374-1/-2/-3).
>= 0,5 mm Polychloroprene, >480 min (EN 374-1/-2/-3).

Skin protection
Protective clothing (EN 340)

Other
Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier.
Do not breathe vapour/spray.
Avoid contact with eyes and skin.

Respiratory protection
Respiratory protection mask in the event of high concentrations.
Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)

Thermal hazards
No information available.

Delimitation and monitoring of the environmental exposition
Protect the environment by applying appropriate control measures to prevent or limit emissions.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	brown
Odor	characteristic
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	> 300
Flash point [°C]	> 200
Flammability (solid, gas) [°C]	> 400
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	< 0,00001 mbar (25°C)
Density [g/ml]	1,17 (20°C)
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble reacts with water
Partition coefficient [n-octanol/water]	No information available.
Viscosity	500 mPas (23°C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	< 0
Autoignition temperature [°C]	No information available.
Decomposition temperature [°C]	not determined

9.2 Other information

No information available.

SECTION 10: Stability and reactivity

10.1 Reactivity

No dangerous reactions known if used as directed.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with water, with formation of carbon dioxide.
Reactions with alcohols.
Reactions with amines.
Development of pressure and risk of bursting in closed containers.
(200°C) Risk of polymerisation.

10.4 Conditions to avoid

Strong heating.
Water

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

In the event of fire: See SECTION 5.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Substance
2,2'-methylenediphenyl diisocyanate, CAS: 2536-05-2
inhalative, Conversion value: 1,5 mg/l/4h (Dust/mist).
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LD50, oral, Rat: > 2000 mg/kg.
LC50, inhalative, Rat: 0,527 mg/l/4h (OECD 403).
Diphenylmethanediisocyanate, isomeres and homologues, CAS: 9016-87-9
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LD50, oral, Rat: > 10000 mg/kg (OECD 401).
LC50, inhalativ (mist), Rat: 0,31 mg/l/4h (OECD 403).
NOAEL, inhalative, Rat: 0,2 mg/m³ (OECD 453).
LOAEL, inhalative, Rat: 1 mg/m³ (OECD 453).
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane, CAS: 2530-83-8
LD50, oral, Rat: 8025 mg/kg (OECD TG 401).
LD50, dermal, Rabbit: 4250 mg/kg (OECD TG 402).
LC50, inhalative, Rat: 5,3 mg/l (OECD TG 403).
NOAEL, oral, Rat: 500 mg/kg/28d (OECD TG 407).
NOAEL, inhalative, Rat: 0,225 mg/kg/14d (OECD 412).
o-(p-isocyanatobenzyl)phenyl isocyanate, CAS: 5873-54-1
inhalative, Conversion value: 1,5 mg/l/4h (Dust/mist).
LD50, oral, Rat: > 2000 mg/kg.
LD50, dermal, Rabbit: > 9400 mg/kg.
LC50, inhalative, Rat: 0,387 mg/l/4h.
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, Conversion value: 1,5 mg/l/4h (Dust/mist).
LD50, oral, Rat: > 2000 mg/kg.
LD50, dermal, Rabbit: > 9400 mg/kg (OECD 402).
LC50, inhalativ (mist), Rat: 0,49 mg/l/4h.
LC50, inhalative, Rat: 0,368 mg/l/4h (OECD 403).
LC50, inhalative, Rat: > 2,24 mg/l/1h (OECD 403).

Serious eye damage/irritation
Toxicological data of complete product are not available.
Irritant
Calculation method

Skin corrosion/irritation
Toxicological data of complete product are not available.
Irritant
Calculation method

Respiratory or skin sensitisation
Toxicological data of complete product are not available.
May cause an allergic skin reaction.
May cause allergy or asthma symptoms or breathing difficulties if inhaled.
Calculation method

Specific target organ toxicity — single exposure
Toxicological data of complete product are not available.
May cause respiratory irritation.
Calculation method

Specific target organ toxicity — repeated exposure
Toxicological data of complete product are not available.
May cause damage to organs through prolonged or repeated exposure.
Calculation method

Mutagenicity
Based on the available information, the classification criteria are not fulfilled.

Reproduction toxicity
Based on the available information, the classification criteria are not fulfilled.

Carcinogenicity
Toxicological data of complete product are not available.

Suspected of causing cancer.
Calculation method

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

SECTION 12: Ecological information

12.1 Toxicity

Substance
2,2'-methylenediphenyl diisocyanate, CAS: 2536-05-2
LC50, (96h), Danio rerio: > 1000 mg/l (OECD 203).
EC50, (72h), Scenedesmus subspicatus: > 1640 mg/l (OECD 201).
EC50, (24h), Daphnia magna: > 1000 mg/l (OECD 202).
EC50, (3h), Bacteria: > 100 mg/l (OECD 209).
NOEC, (21d), Daphnia magna: > 10 mg/l (OECD 202).
Diphenylmethanediisocyanate, isomeres and homologues, CAS: 9016-87-9
LC50, (96h), Danio rerio: > 1000 mg/l (OECD 203).
EC50, (3h), Bacteria: > 100 mg/l (OECD 209).
EC50, (24h), Daphnia magna: > 1000 mg/l (OECD 202).
NOEC, (21d), Daphnia magna: > 10 mg/l (OECD 202).
ErC50, (72h), Scenedesmus subspicatus: > 1640 mg/l (OECD 201).
[3-(2,3-Epoxypropoxy)propyl]trimethoxysilane, CAS: 2530-83-8
LC50, (96h), Cyprinus carpio: 55 mg/l.
EC50, Algae: 119 mg/l /7d.
EC50, (48h), Daphnia magna: 324 mg/l.
LC0, (96h), Cyprinus carpio: 30 mg/l.
NOEC, (3h), Bacteria: > 100 mg/l (OECD TG 209).
NOEC, Algae: < 50 mg/l /7d.
NOEC, (21d), Daphnia magna: 100 mg/l (OECD 202).
o-(p-isocyanatobenzyl)phenyl isocyanate, CAS: 5873-54-1
LC50, (96h), fish: > 1000 mg/l.
EC50, (3h), Bacteria: > 100 mg/l (OECD 209).
EC50, (24h), Daphnia magna: > 1000 mg/l.
NOEC, (21d), Daphnia magna: > 10 mg/l (OECD 202).
ErC50, (72h), Scenedesmus subspicatus: > 1640 mg/l (OECD 201).
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LC50, (96h), Danio rerio: > 1000 mg/l (OECD 203).
ErC50, (72h), Scenedesmus subspicatus: > 1640 mg/l (OECD 201).

12.2 Persistence and degradability

(CAS 32055-14-4) Henry-Konstante : 0,0229 Pa*m3/mol

Behaviour in environment compartments not determined

Behaviour in sewage plant not determined

Biological degradability The product is not biodegradable.

12.3 Bioaccumulative potential

(CAS 32055-14-4) - Accumulation in organisms is not expected.
(CAS 9016-87-9) BCF : < 14 (42d, OECD 305C)

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Ecological data of complete product are not available.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.
Do not discharge product unmonitored into the environment or into the drainage.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
Dispose of as hazardous waste.
Coordinate disposal with the authorities if necessary.
Coordinate disposal with the authorities if necessary.

Waste no. (recommended) 080501*
080501*

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
Uncontaminated packaging may be taken for recycling.
Packaging that cannot be cleaned should be disposed of as for product.
Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*
150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.4 Packing group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable
not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	not applicable

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H318 Causes serious eye damage.
H373 May cause damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure through inhalation.
H351 Suspected of causing cancer.
H335 May cause respiratory irritation.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H332 Harmful if inhaled.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H315 Causes skin irritation.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Customs Tariff not determined

Classification procedure

Carc. 2: H351 Suspected of causing cancer. (Calculation method)
Acute Tox. 4: H332 Harmful if inhaled. (Calculation method)
STOT RE 2: H373 May cause damage to organs through prolonged or repeated exposure. (Calculation method)
Eye Irrit. 2: H319 Causes serious eye irritation. (Calculation method)
Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
STOT SE 3: H335 May cause respiratory irritation. (Calculation method)
Resp. Sens. 1: H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Modified position

SECTION 3 deleted: 2,2'-methylenediphenyl diisocyanate
SECTION 3 deleted: Diphenylmethanediisocyanate, isomeres and homologues
SECTION 3 deleted: 4,4'-Methylenediphenyl diisocyanate
SECTION 3 deleted: [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane
SECTION 2 deleted: Diphenylmethanediisocyanate, isomeres and homologues
SECTION 2 deleted: o-(p-isocyanatobenzyl)phenyl isocyanate
SECTION 2 deleted: 4,4'-Methylenediphenyl diisocyanate
SECTION 2 deleted: 2,2'-methylenediphenyl diisocyanate
SECTION 3 been added: Diphenylmethanediisocyanate, isomeres and homologues
SECTION 2 been added: Diphenylmethanediisocyanate, isomeres and homologues
SECTION 2 been added: 2,2'-methylenediphenyl diisocyanate
SECTION 3 deleted: o-(p-isocyanatobenzyl)phenyl isocyanate
SECTION 3 been added: MDI-based polyisocyanate prepolymer
SECTION 3 been added: [3-(2,3-Epoxypropoxy)propyl]trimethoxysilane
SECTION 3 been added: 2,2'-methylenediphenyl diisocyanate
SECTION 2 been added: o-(p-isocyanatobenzyl)phenyl isocyanate
SECTION 3 been added: o-(p-isocyanatobenzyl)phenyl isocyanate
SECTION 2 been added: 4,4'-Methylenediphenyl diisocyanate
SECTION 3 been added: 4,4'-Methylenediphenyl diisocyanate
SECTION 2 been added: MDI-based polyisocyanate prepolymer
SECTION 2 been added: P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
SECTION 2 deleted: P284 [In case of inadequate ventilation] wear respiratory protection.
SECTION 9 deleted: not determined
SECTION 9 been added: No information available.
SECTION 9 deleted: not determined
SECTION 9 been added: No information available.
SECTION 9 deleted: not determined
SECTION 9 been added: No information available.
SECTION 9 deleted: not determined
SECTION 9 deleted:
SECTION 9 been added: See product information
SECTION 9 deleted: not determined
SECTION 9 been added: No information available.
SECTION 9 been added: No information available.
SECTION 9 been added: No information available.
SECTION 9 deleted: See product information
SECTION 9 deleted: not determined

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

1.1 Product identifier

Womix 2K Plastic welding flex/Womix 2K Plastic repair flex(Part B)

Article number: 5570245, 5570246, 5570247

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

1.2.1 Relevant uses

Adhesive

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Service Best B.V.
De Run 4271
5503 LM Veldhoven/ the Netherlands
Phone +31(0)40 230 2300
Fax +31 (0)40 230 2302
Homepage
E-mail info@servicebest.com

Address enquiries to

Technical information info@servicebest.com

Safety Data Sheet sdb@chemiebuero.de

1.4 Emergency telephone number

Advisory body +31 (0) 30 2748888

Company

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (EC) No 1272/2008]

Skin Irrit. 2: H315 Causes skin irritation.
Eye Dam. 1: H318 Causes serious eye damage.
Skin Sens. 1: H317 May cause an allergic skin reaction.

2.2 Label elements

The product is classified and required to be labelled in accordance with EC-Directives

Hazard pictograms

Signal word DANGER

Contains: 4,4'-Methylenebis(cyclohexylamine)

Hazard statements

H315 Causes skin irritation.
H318 Causes serious eye damage.
H317 May cause an allergic skin reaction.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER / doctor.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P501 Dispose of contents/container in accordance with local/national regulation.

2.3 Other hazards

Human health dangers People who are allergic to amines should avoid the use of the product.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

Product-type:

The product is a mixture.

Range [%]	Substance
50 - < 80	Ethylenediamine, propoxylated
	CAS: 25214-63-5, EINECS/ELINCS: 500−035−6, Reg-No.: 01-2119471485-32-XXXX
	GHS/CLP: Eye Irrit. 2: H319
< 5	4,4'-Methylenebis(cyclohexylamine)
	CAS: 1761-71-3, EINECS/ELINCS: 217-168-8, Reg-No.: 01-2119541673-38-XXXX
	GHS/CLP: Acute Tox. 4: H302 - Skin Corr. 1B: H314 - Eye Dam. 1: H318 - Skin Sens. 1B: H317 - STOT RE 2: H373
< 5	Trimethoxyvinylsilane
	CAS: 2768-02-7, EINECS/ELINCS: 220-449-8, Reg-No.: 01-2119513215-52-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H332

Comment on component parts Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Remove contaminated soaked clothing immediately and dispose of safely.

Inhalation Remove the victim into fresh air and keep him calm.
In the event of symptoms seek medical treatment.

Skin contact In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

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.

Ingestion Consult a doctor immediately.
Do not induce vomiting.
Rinse out mouth and give plenty of water to drink.

4.2 Most important symptoms and effects, both acute and delayed

No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to the doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media Carbon dioxide.
Dry powder.
Sand.

Extinguishing media that must not be used Full water jet

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.
Use personal protective equipment.
High risk of slipping due to leakage/spillage of product.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Pick up with absorbent material (e.g. sand, universal absorbent, diatomaceous earth).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Use only in well-ventilated areas.
Vacuuming in situ required.

Keep away from all sources of ignition - Refrain from smoking.

Do not eat, drink or smoke when using this product.
Wash hands before breaks and after work.
Use barrier skin cream.
Contaminated work clothing should not be allowed out of the workplace.
Take off contaminated clothing and wash before reuse.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.

Do not store together with oxidizing agents.

Keep container tightly closed.
Keep container in a well-ventilated place.
Store in a dry place.
Do not keep at temperatures above 50 °C.

7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

not applicable

DNEL

Substance
Ethylenediamine, propoxylated, CAS: 25214-63-5
Industrial, dermal, Long-term - systemic effects: 13,9 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 98 mg/m³.
general population, oral, Long-term - systemic effects: 8,3 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 8,3 mg/kg bw/d.
general population, inhalative, Long-term - systemic effects: 29 mg/m³.
Trimethoxyvinylsilane, CAS: 2768-02-7
Industrial, dermal, Long-term - systemic effects: 3.9 mg/kg bw/day.
Industrial, inhalative, Acute - systemic effects: 260 mg/m³.
Industrial, inhalative, Long-term - systemic effects: 27.6 mg/m³.
general population, dermal, Long-term - systemic effects: 7.8 mg/kg bw/day.
general population, oral, Long-term - systemic effects: 300 µg/kg bw/day.
general population, inhalative, Acute - systemic effects: 50 mg/m³.
general population, inhalative, Long-term - systemic effects: 6.7 mg/m³.
4,4'-Methylenebis(cyclohexylamine), CAS: 1761-71-3
Industrial, dermal, Long-term - systemic effects: 0,1 mg/kg bw/d.
Industrial, inhalative, Long-term - systemic effects: 1 mg/m³.
general population, inhalative, Long-term - systemic effects: 0,21 mg/m³.
general population, oral, Long-term - systemic effects: 0,06 mg/kg bw/d.
general population, dermal, Long-term - systemic effects: 0,06 mg/kg bw/d.

PNEC

Substance
Ethylenediamine, propoxylated, CAS: 25214-63-5
freshwater, 0,085 mg/l.
sewage treatment plants (STP), 70 mg/l.
soil, 0,0162 mg/kg dw.
sediment (seaater), 0,0074 mg/kg dw.
sediment (freshwater), 0,074 mg/kg dw.
freshwater, 0,0085 mg/l.
Trimethoxyvinylsilane, CAS: 2768-02-7
sediment (freshwater), 1.5 mg/kg.
sediment (seaater), 150 µg/kg.
seawater, 40 µg/L.
freshwater, 400 µg/L.
sewage treatment plants (STP), 6.6 mg/L.
4,4'-Methylenebis(cyclohexylamine), CAS: 1761-71-3
freshwater, 0,008 mg/l.
seawater, 0,0008 mg/l.
sewage treatment plants (STP), 80 mg/l.
sediment (freshwater), 0,39 mg/kg dw.

soil, 0,072 mg/kg dw.	
sediment (seaater), 0,039 mg/kg dw.	

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation.
Eye protection	safety glasses (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. In full contact: >= 0,5 mm Nitrile rubber, >480 min (EN 374-1/-2/-3). >= 0,5 mm Butyl rubber, >480 min (EN 374-1/-2/-3). >= 0,5 mm PVC (EN 374-1/-2/-3). In splash contact: >= 0,5 mm Nitrile rubber, >120 min (EN 374-1/-2/-3). >= 0,5 mm butyl rubber, > 120 min (EN 374)
Skin protection	protective suit
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Do not inhale vapours. Avoid contact with eyes and skin.
Respiratory protection	Respiratory protection mask in the event of high concentrations. Short term: filter apparatus, combination filter A-P2. (DIN EN 14387)
Thermal hazards	not applicable
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Form	liquid
Color	black
Odor	perceptible
Odour threshold	No information available.
pH-value	No information available.
pH-value [1%]	No information available.
Boiling point [°C]	No information available.
Flash point [°C]	> 150
Flammability (solid, gas) [°C]	> 300 The product is not explosive.
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	No information available.
Density [g/ml]	1,02 (23°C)
Bulk density [kg/m³]	not applicable
Solubility in water	immiscible
Partition coefficient [n-octanol/water]	No information available.
Viscosity	3000 mPas (23°C)
Relative vapour density determined in air	No information available.
Evaporation speed	No information available.
Melting point [°C]	No information available.
Autoignition temperature [°C]	not self-igniting
Decomposition temperature [°C]	No information available.

9.2 Other information

none

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with oxidizing agents.
Reactions with isocyanates.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

See SECTION 10.3.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Substance
Ethylenediamine, propoxylated, CAS: 25214-63-5
LD50, dermal, Rat: > 2000 mg/kg bw.
LD50, oral, Rat: > 2000 mg/kg bw.
NOAEL, oral, Rat: 1000 mg/kg bw/4w.
Trimethoxyvinylsilane, CAS: 2768-02-7
LD50, dermal, Rabbit: 3259 mg/kg bw.
LD50, inhalative, Rat: 16,8 mg/l (4 h) (OECD TG 403).
LD50, oral, Rat: 7120 mg/kg (OECD TG 401).
NOAEL, inhalative, Rat: 0,058 mg/l (98 d).
NOAEL, oral, Rat: < 62,5 mg/kg (28 d) (OECD TG 422).
4,4'-Methylenebis(cyclohexylamine), CAS: 1761-71-3
LD50, dermal, Rabbit: 2110 mg/kg.
LD50, oral, Rat: 625 mg/kg.

Serious eye damage/irritation
Toxicological data of complete product are not available.
Risk of serious damage to eyes.
Calculation method

Skin corrosion/irritation
Toxicological data of complete product are not available.
Irritant
Calculation method

Respiratory or skin sensitisation
Toxicological data of complete product are not available.
May cause an allergic skin reaction.
Calculation method

Specific target organ toxicity — single exposure
Toxicological data of complete product are not available.
No classification.
Calculation method

Specific target organ toxicity — repeated exposure
Based on the available information, the classification criteria are not fulfilled.

Mutagenicity
Based on the available information, the classification criteria are not fulfilled.

Reproduction toxicity
Based on the available information, the classification criteria are not fulfilled.

Carcinogenicity
Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard
Based on the available information, the classification criteria are not fulfilled.

General remarks

Toxicological data of complete product are not available.
The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

SECTION 12: Ecological information

12.1 Toxicity

Substance
Ethylenediamine, propoxylated, CAS: 25214-63-5
LC50, (96h), Leuciscus idus: 4600 mg/l.
EC50, (48h), Daphnia magna: > 100 mg/l.
ErC50, (72h), Desmodesmus subspicatus: 150,67 mg/l.
Trimethoxyvinylsilane, CAS: 2768-02-7
LC50, (96h), Oncorhynchus mykiss: 191 mg/l.
EC50, Pseudokirchneriella subcapitata: 210 mg/l (7 d) (US-EPA).
EC50, (48h), Daphnia magna: 168,7 mg/l (92/69/EWG C.2).
EC10, Pseudomonas putida: 1000 mg/l (5 h).
4,4'-Methylenebis(cyclohexylamine), CAS: 1761-71-3
LC50, (96h), Leuciscus idus: > 100 mg/l.
EC50, (72h), Algae: 140 - 200 mg/l.
EC50, (48h), Daphnia magna: 6,84 mg/l.
LC0, (96h), Leuciscus idus: 46 mg/l.

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	The product is only slightly biodegradable.

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

No information available.

12.6 Other adverse effects

Do not discharge product unmonitored into the environment or into the drainage.
The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material c It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Dispose of as hazardous waste.
For recycling, consult manufacturer.

Waste no. (recommended) 080409*

Contaminated packaging

Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended) 150110*

SECTION 14: Transport information

14.1 UN number

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.2 UN proper shipping name

Transport by land according to ADR/RID	NO DANGEROUS GOODS
Inland navigation (ADN)	NO DANGEROUS GOODS
Marine transport in accordance with IMDG	NOT CLASSIFIED AS "DANGEROUS GOODS"
Air transport in accordance with IATA	NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.4 Packing group

Transport by land according to ADR/RID	not applicable
Inland navigation (ADN)	not applicable
Marine transport in accordance with IMDG	not applicable
Air transport in accordance with IATA	not applicable

14.5 Environmental hazards

Transport by land according to ADR/RID	no
Inland navigation (ADN)	no
Marine transport in accordance with IMDG	no
Air transport in accordance with IATA	no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	1991/689 (2001/118); 2010/75; 2004/42; 648/2004; 1907/2006 (REACH); 1272/2008; 75/324/EEC (2016/2037/EC); (EU) 2015/830; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2019); IMDG-Code (2019, 39. Amdt.); IATA-DGR (2019)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011).
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	ca. 63 %

15.2 Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 03)

H332 Harmful if inhaled.
H226 Flammable liquid and vapour.
H319 Causes serious eye irritation.
H373 May cause damage to hearing organs through prolonged or repeated exposure.
H317 May cause an allergic skin reaction.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H302 Harmful if swallowed.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ATE = acute toxicity estimate
CAS = Chemical Abstracts Service
CLP = Classification, Labelling and Packaging
DMEL = Derived Minimum Effect Level
DNEL = Derived No Effect Level
EC50 = Median effective concentration
ECB = European Chemicals Bureau
EEC = European Economic Community
EINECS = European Inventory of Existing Commercial Chemical Substances
ELINCS = European List of Notified Chemical Substances
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IATA = International Air Transport Association
IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
IC50 = Inhibition concentration, 50%
IMDG = International Maritime Code for Dangerous Goods
IUCLID = International Uniform ChemicaL Information Database
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
MARPOL = International Convention for the Prevention of Marine Pollution from Ships
NOAEL = No Observed Adverse Effect Level
NOEC = No Observed Effect Concentration
PBT = Persistent, Bioaccumulative and Toxic substance
PNEC = Predicted No-Effect Concentration
REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
STP = Sewage Treatment Plant
TLV®/TWA = Threshold limit value – time-weighted average
TLV®STEL = Threshold limit value – short-time exposure limit
VOC = Volatile Organic Compounds
vPvB = very Persistent and very Bioaccumulative

16.3 Other information

Customs Tariff not determined

Classification procedure Skin Irrit. 2: H315 Causes skin irritation. (Calculation method)
Eye Dam. 1: H318 Causes serious eye damage. (Calculation method)
Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Modified position none