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

1.1 Product identifier

Proton Protect - Bodywork adhesive and sealing compound
Article number: 2893-225-2

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

1.2.1 Relevant uses

Sealing material

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

Company

Normfest GmbH
Siemensstraße 23
42551 Velbert / GERMANY
Phone +49 2051 275-0
Fax +49 2051 275-141
Homepage www.normfest.com
E-mail info@normfest.de

Address enquiries to

Technical information info@normfest.de

Safety Data Sheet sdb@chemiebuero.de (No dispatch of safety data sheets)

Safety data sheets are available from the supplier.

1.4 Emergency telephone number

Advisory body Call NHS 111 or a doctor

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

No classification.

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms none

Signal word none

Hazard statements none

Precautionary statements none

Special labelling EUH210 Safety data sheet available on request.
EUH204 Contains isocyanates. May produce an allergic reaction.

Contains: Tosyl chloride, 4,4'-Methylenediphenyl diisocyanate, m-tolylidene diisocyanate.
EUH208 May produce an allergic reaction.

2.3 Other hazards

Human health dangers Frequent persistent contact with the skin can cause skin irritation.

Environmental hazards Does not contain any PBT or vPvB substances.

Other hazards Contains no ingredients with endocrine-disrupting properties.
Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
<10	Reaction mass of ethylbenzene and xylene
	EINECS/ELINCS: 905-588-0, Reg-No.: 01-2119488216-32-XXXX, 01-2119486136-34-XXXX
	GHS/CLP: Flam. Liq. 3: H226 - Acute Tox. 4: H312 H332 - Asp. Tox. 1: H304 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - STOT SE 3: H335 - STOT RE 2: H373
	SCL [%]: >= 10: STOT RE 2: H373
<0.1	m-tolylidene diisocyanate
	CAS: 26471-62-5, EINECS/ELINCS: 247-722-4, EU-INDEX: 615-006-00-4, Reg-No.: 01-2119454791-34-XXXX
	GHS/CLP: Acute Tox. 1: H330 - Skin Irrit. 2: H315 - Eye Irrit. 2: H319 - Resp. Sens. 1: H334 - Skin Sens. 1: H317 - Carc. 2: H351 - STOT SE 3: H335 - Aquatic Chronic 3: H412
	SCL [%]: 0.1: Resp. Sens. 1: H334
<0.1	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: 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 - EUH204
	SCL [%]: >= 5: STOT SE 3: H335, >= 5: Eye Irrit. 2: H319, >= 5: Skin Irrit. 2: H315, >= 0.1: Resp. Sens. 1: H334
<0.1	Tosyl chloride
	CAS: 98-59-9, EINECS/ELINCS: 202-684-8
	GHS/CLP: Met. Corr. 1: H290 - Skin Irrit. 2: H315 - Skin Sens. 1A: H317 - Eye Dam. 1: H318

Comment on component parts For full text of H-statements: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information Change soaked clothing.

Inhalation Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact When in contact with the skin, clean with soap and water.
If skin irritation or rash occurs: Get medical advice/attention.

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

Ingestion Get medical advice.
Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

Allergic reactions

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

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

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.
Nitrogen oxides (NOx), carbon monoxide (CO).
Hydrogen chloride (HCl).
Nitrous gases.
Sulphur oxides (SOx).

5.3 Advice for firefighters

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.
High risk of slipping due to leakage/spillage of product.
Use personal protective equipment (protective gloves, safety glasses, protective clothing).

6.2 Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up mechanically.
Take up residues with absorbent material (e.g. sand, sawdust, general purpose binder, 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.

Keep away from all sources of ignition - Refrain from smoking.
Vapours can form an explosive mixture with air.

Wash hands before breaks and after work.
Use barrier skin cream.
Do not eat, drink, smoke or take drugs at work.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.

Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.

Keep container in a well-ventilated place.
Protect from heat/overheating and from sun.
Keep in a cool place. Store in a dry place.
Protect from atmospheric moisture and water.

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
Tosyl chloride
CAS: 98-59-9, EINECS/ELINCS: 202-684-8
Short-term exposure (15-minute): 5 mg/m³
m-tolylidene diisocyanate
CAS: 26471-62-5, EINECS/ELINCS: 247-722-4, EU-INDEX: 615-006-00-4, Reg-No.: 01-2119454791-34-XXXX
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
Di-"isononyl" phthalate
CAS: 28553-12-0, EINECS/ELINCS: 249-079-5, Reg-No.: 01-2119430798-28-XXXX
Long-term exposure: 5 mg/m³

Ingredients with occupational exposure limits to be monitored EU (2004/37/EG)

not relevant

DNEL

Substance
Reaction mass of ethylbenzene and xylene
Industrial, inhalative (vapor), Long-term - systemic effects, 221 mg/m³
Industrial, inhalative (vapor), Acute - systemic effects, 442 mg/m³
Industrial, inhalative (vapor), Long-term - local effects, 221 mg/m³
Industrial, inhalative (vapor), Acute - local effects, 442 mg/m³
Industrial, dermal, Long-term - systemic effects, 212 mg/kg bw/day
general population, inhalative (vapor), Long-term - local effects, 65.3 mg/m³
general population, oral, Long-term - systemic effects, 12.5 mg/kg bw/day
general population, inhalative (vapor), Acute - local effects, 260 mg/m³
general population, inhalative (vapor), Acute - systemic effects, 260 mg/m³
general population, inhalative (vapor), Long-term - systemic effects, 65.3 mg/m³
general population, dermal, Acute - local effects, 125 mg/kg bw/day
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
Industrial, inhalative, Long-term - local effects, 0.05 mg/m³
Industrial, inhalative, Acute - local effects, 0.1 mg/m³
general population, inhalative, Long-term - local effects, 0.025 mg/m³
general population, inhalative, Acute - local effects, 0.05 mg/m³
m-tolylidene diisocyanate, CAS: 26471-62-5
Industrial, inhalative, Acute - systemic effects, 0.14 mg/m³
Industrial, inhalative, Long-term - local effects, 0.035 mg/m³
Industrial, inhalative, Acute - local effects, 0.14 mg/m³
Industrial, inhalative, Long-term - systemic effects, 0.035 mg/m³

PNEC

Substance
Reaction mass of ethylbenzene and xylene
soil, 2.31 mg/kg soil dw
sediment (seawater), 12.46 mg/kg sediment dw
sediment (freshwater), 12.46 mg/kg sediment dw
sewage treatment plants (STP), 6.58 mg/L
seawater, 0.327 mg/L
freshwater, 0.327 mg/L
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
soil, 2.33 mg/kg soil dw
sediment (seawater), 1.17 mg/kg sediment dw
sediment (freshwater), 11.7 mg/kg sediment dw
seawater, 0.37 µg/L
freshwater, 3.7 µg/L
m-tolylidene diisocyanate, CAS: 26471-62-5
soil, 1 mg/kg
sewage treatment plants (STP), 1 mg/l
seawater, 0.00125 mg/l
freshwater, 0.0125 mg/l

8.2 Exposure controls

Additional advice on system design
Ensure adequate ventilation on workstation.
Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.

Eye protection
Safety glasses. (EN 166:2001)

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

Skin protection
Not required under normal conditions.

Other
Avoid contact with eyes and skin.
Do not inhale vapours.
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.

Respiratory protection
In the event of occupational exposure limits being exceeded or of inadequate ventilation: wear appropriate respiratory protection.
Respiratory protection mask in the event of high concentrations.
Short term: filter apparatus, filter A. (DIN EN 14387)

Thermal hazards
No information available.

Delimitation and monitoring of the environmental exposition
not determined

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	solid
Form	pasty
Color	black
Odor	solvent-like
Odour threshold	not determined
pH-value	not applicable
pH-value [1%]	not applicable
Boiling point [°C]	No information available.
Flash point [°C]	not applicable
Flammability	no
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/cm³]	1.35 (20°C)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	insoluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	not determined
Kinematic viscosity	No information available.
Relative vapour density	not determined
Evaporation speed	not determined
Melting point [°C]	not determined
Auto-ignition temperature [°C]	not applicable
Decomposition temperature [°C]	not determined
Particle characteristics	No information available.

9.2 Other information

none

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

No hazardous reactions known.

10.4 Conditions to avoid

Strong heating.

10.5 Incompatible materials

Reactions with alkalies, amines and strong acids.

10.6 Hazardous decomposition products

No hazardous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

Substance
Reaction mass of ethylbenzene and xylene
LD50, oral, Rat, 3523 - 4000 mg/kg
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LD50, oral, Rat, > 2000 mg/kg
Tosyl chloride, CAS: 98-59-9
LD50, oral, Rat, 4680 mg/kg bw

Acute dermal toxicity

Product
ATE-mix, dermal, 16627 mg/kg bw

Substance
Reaction mass of ethylbenzene and xylene
LD50, dermal, Rabbit, 12126 mg/kg
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LD50, dermal, Rabbit, > 9400 mg/kg (OECD 402)

Acute inhalational toxicity

Product
ATE-mix, inhalative, 166 mg/L

Substance
Reaction mass of ethylbenzene and xylene
LC50, inhalation (vapour), Rat, 6350 - 6700 ppm 4h
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LC50, inhalativ (dust), Rat, 0.49 mg/l/4h
LC50, inhalative, Rat, > 2.24 mg/l/1h (OECD 403)
LC50, inhalative, Rat, 0.368 mg/l/4h (OECD 403)
Conversion value, inhalativ (dust), 1.5 mg/l/4h
m-tolylidene diisocyanate, CAS: 26471-62-5
LC50, inhalation (vapour), Rat, 480 ng/m³, OECD 403, 4h

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

Substance
Reaction mass of ethylbenzene and xylene
Eye, irritant
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
Eye, irritant
m-tolylidene diisocyanate, CAS: 26471-62-5
Eye, Rabbit, In vivo study, irritant

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Substance

Reaction mass of ethylbenzene and xylene
dermal, irritant
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
Rabbit, in vivo, OECD 404, irritant
m-tolylidene diisocyanate, CAS: 26471-62-5
dermal, Rabbit, In vivo study, irritant

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
May produce an allergic reaction.

Substance
Reaction mass of ethylbenzene and xylene
dermal, non-sensitizing
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, Rat, in vivo. OECD-GD 39, sensitising
dermal, mouse, in vivo (LLNA), OECD 429, sensitising
m-tolylidene diisocyanate, CAS: 26471-62-5
inhalative, Guinea pig, In vivo study, sensitising
dermal, mouse, OECD 429, sensitising

Specific target organ toxicity — single exposure Based on available data, the classification criteria are not met.

Substance
Reaction mass of ethylbenzene and xylene
inhalative, irritant
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, irritant

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

Substance
Reaction mass of ethylbenzene and xylene
NOAEL, oral, Rat, 250 mg/kg bw/day (chronic), adverse effect observed
NOAEC, inhalative, Rat, 3515 mg/m³ (subchronic), adverse effect observed
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
LOAEC, inhalative, Rat, 1 mg/m³, adverse effect observed
m-tolylidene diisocyanate, CAS: 26471-62-5
LOAEL, oral, Rat, 30 mg/kg bw/day, adverse effect observed
LOAEC, inhalative, mouse, 362 µg/m³, adverse effect observed

Mutagenicity Based on available data, the classification criteria are not met.

Substance
Reaction mass of ethylbenzene and xylene
in vivo, no adverse effect observed
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
inhalative, Rat, in vivo, OECD 474, negativ
m-tolylidene diisocyanate, CAS: 26471-62-5
in vivo, OECD 474, negativ
in vitro, OECD 471, negativ

Reproduction toxicity Based on available data, the classification criteria are not met.

- Fertility

Substance
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
NOAEC, inhalative, Rat, 200 µg/m³ (Effect on fertility), no adverse effect observed
m-tolylidene diisocyanate, CAS: 26471-62-5
NOAEC, inhalative, Rat, 2.18 mg/m³, OECD 416, no adverse effect observed

- Development

Substance
Reaction mass of ethylbenzene and xylene
inhalative, Rat, 4698 mg/m³, no adverse effect observed
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
NOAEC, inhalative, Rat, 4 mg/m³ (Effect on developmental toxicity), no adverse effect observed
m-tolylidene diisocyanate, CAS: 26471-62-5
NOAEC, inhalative, Rat, 2.18 mg/m³, OECD 416, no adverse effect observed

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

Substance
Reaction mass of ethylbenzene and xylene
NOAEL, oral, Rat, 500 mg/kg bw/day (chronic), no adverse effect observed
4,4'-Methylenediphenyl diisocyanate, CAS: 101-68-8
NOAEC, Rat, 1 mg/m³, adverse effect observed

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

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. The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

11.2 Information on other hazards

11.2.1 Endocrine disrupting properties Does not contain a relevant substance that meets the classification criteria.

11.2.2 Other information

SECTION 12: Ecological information

12.1 Toxicity

Substance
Reaction mass of ethylbenzene and xylene
LC50, (24h), Daphnia magna, 1 mg/l OECD 202
LC50, (96h), Oncorhynchus mykiss, 2.6 mg/l OECD 203
EC50, (72h), Selenastrum capricornutum, 2.2 mg/l OECD 201
NOEC, (21d), Invertebrates, 1.57 mg/l
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)
Tosyl chloride, CAS: 98-59-9
LC50, (96h), Brachidanio rerio, > 100 mg/L
LC50, (96h), fish, > 100 mg/L
EC50, (48h), Daphnia magna, 70 mg/L
ErC50, (72h), Selenastrum capricornutum, > 100 mg/L

12.2 Persistence and degradability

Behaviour in environment compartments	not determined
Behaviour in sewage plant	not determined
Biological degradability	not determined

12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Does not contain a relevant substance that meets the classification criteria.

12.7 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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. 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

For recycling, consult manufacturer.

Waste no. (recommended) 080410

Contaminated packaging

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

Waste no. (recommended) 150101
150102
150104

SECTION 14: Transport information

14.1 UN number or ID 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 Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EEC-REGULATIONS	2008/98/EC 2000/532/EC); 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014; (EU) 2019/1148
- Comment on component parts	Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
- Annex I (REACH)	The product is not subject to Annex I restrictions.
- Annex XIV (REACH)	According to Annex XIV of Regulation (EC) 1907/2006 (REACH) the product does not contain any substances ≥ 0.1% that are subject to authorisation.
- Annex XVII (REACH)	According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product contains ≥ 0.1% of substances with the following restrictions. 40, 52 a), 75 According to Annex XVII of Regulation (EC) 1907/2006 (REACH) the product is not subject to any restrictions.
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
- Observe employment restrictions for people	no
- VOC (2010/75/CE)	6,08 % 82,1 g/L

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 3)

H318 Causes serious eye damage.
H290 May be corrosive to metals.
H412 Harmful to aquatic life with long lasting effects.
H330 Fatal if inhaled.
EUH204 Contains isocyanates. May produce an allergic reaction.
H373 May cause damage to organs through prolonged or repeated exposure.
H351 Suspected of causing cancer.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H332 Harmful if inhaled.
H317 May cause an allergic skin reaction.

H373 May cause damage to organs through prolonged or repeated exposure through inhalation.
H335 May cause respiratory irritation.
H319 Causes serious eye irritation.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.
H312+H332 Harmful in contact with skin or if inhaled.
H226 Flammable liquid and vapour.

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
EL50 = Median effective loading
ELINCS = European List of Notified Chemical Substances
EmS = Emergency Schedules
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
IVIS = In vitro irritation score
LC50 = Lethal concentration, 50%
LD50 = Median lethal dose
LC0 = lethal concentration, 0%
LOAEL = lowest-observed-adverse-effect level
LL50 = Median lethal loading
LQ = Limited Quantities
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

Classification procedure

Modified position

SECTION 3 deleted: 4-Isocyanatosulphonyltoluene
SECTION 2 been added: m-tolylidene diisocyanate
SECTION 2 been added: 4,4'-Methylenediphenyl diisocyanate
SECTION 2 been added: Tosyl chloride
SECTION 3 been added: Tosyl chloride
SECTION 3 deleted: HDI oligomers, isocyanurate
SECTION 4 been added: If skin irritation or rash occurs: Get medical advice/attention.
SECTION 4 deleted: Consult a doctor if skin irritation persists.
SECTION 5 been added: Hydrogen chloride (HCl).
SECTION 5 been added: Nitrous gases.
SECTION 5 been added: Sulphur oxides (SOx).
SECTION 8 deleted: Viton, >480 min (EN 374-1/-2/-3).
SECTION 8 been added: Nitrile rubber, >480 min (EN 374-1/-2/-3).
SECTION 9 deleted:
SECTION 9 been added: solid
SECTION 9 deleted: characteristic
SECTION 9 been added: solvent-like
SECTION 9 been added: No information available.
SECTION 9 deleted:
SECTION 9 deleted:
SECTION 9 deleted: no
SECTION 9 been added: No information available.
SECTION 9 been added: No information available.
SECTION 9 deleted:
SECTION 9 been added: No information available.
SECTION 9 deleted:
SECTION 9 been added: No information available.
SECTION 9 deleted:
SECTION 9 been added: no
SECTION 11 been added: Does not contain a relevant substance that meets the classification criteria.
SECTION 16 deleted: