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

· **1.1 Product identifier**

· **Trade name Pur MC30 A-comp**

· **Utilization of the substance of the formulation:** Polyurethan for manufacturing Duromeres
· **1.2 Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
· **Application for the substance / the preparation** Polyurethan for manufacturing Duromeres
· **Uses advised against** Not suitable for use in do-it-yourself applications.

· **1.3 Details of the supplier of the safety data sheet**
· **Manufacturer/Supplier:**
Vosschemie-Benelux bvba
Mechelsesteenweg 303
B-2500 Lier
Tel. +32 (0)3 489 28 28
Fax. +32 (0)3 488 19 27
e-mail: info@vosschemie-benelux.com

· **Further information obtainable from:** environment protection department
· **1.4 Emergency telephone number:**

phone : +32 0()70 245 245

SECTION 2: Hazards identification

· **2.1 Classification of the substance or mixture**
· **Classification according to Regulation (EC) No 1272/2008**



GHS09 environment

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

· **2.2 Label elements**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



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· **Signal word** Void
· **Hazard statements**
H411 Toxic to aquatic life with long lasting effects.
· **Precautionary statements**
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
· **2.3 Other hazards**
· **Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.

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SECTION 3: Composition/information on ingredients

· **3.2 Chemical characterisation: Mixtures**
· **Description:** Resin mixture

(Contd. on page 2)

(Contd. of page 1)

· **Dangerous components:**

CAS: 38640-62-9 EINECS: 254-052-6 Reg.nr.: 01-2119565150-48	alkylated aromatic hydrocarbon Asp. Tox. 1, H304; Aquatic Chronic 1, H410	5 - 10%
CAS: 25322-69-4	Polypropylenglykol Acute Tox. 4, H302	2,5-5,0%
CAS: 102-60-3 EINECS: 203-041-4 Reg.nr.: 01-2119552434-41 01-2119552434-41	1,1',1'',1'''-ethylenedinitrilotetrapropan-2-ol Eye Irrit. 2, H319	2,5-5,0%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **4.1 Description of first aid measures**
· **General information:**
Personal protection for the First Aider.
Immediately remove any clothing soiled by the product.
· **After inhalation:** Supply fresh air; consult doctor in case of complaints.
· **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
· **After eye contact:** Rinse opened eye for several minutes under running water. Then consult a doctor.
· **After swallowing:**
Aspiration may cause pulmonary edema and pneumonitis.
A person vomiting while laying on their back should be turned onto their side.
Do not induce vomiting; call for medical help immediately.
Rinse out mouth and then drink plenty of water.
Seek immediate medical advice.
· **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
· **4.3 Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**
· **Suitable extinguishing agents:**
CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
· **For safety reasons unsuitable extinguishing agents:** Water with full jet
· **5.2 Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
carbon dioxide
Nitrogen oxides (NOx)
· **5.3 Advice for firefighters**
· **Protective equipment:** Wear self-contained respiratory protective device.
· **Additional information**
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

· **6.1 Personal precautions, protective equipment and emergency procedures**
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation

(Contd. on page 3)

(Contd. of page 2)

· **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
· **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
· **6.4 Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.
No dangerous substances are released.

SECTION 7: Handling and storage

· **7.1 Precautions for safe handling**
Inform personnel of the affiliated with the product hazards and risks
Store in cool, dry place in tightly closed receptacles.
provide for best ventilation in the work space
· **Information about fire - and explosion protection:**
Protect from heat.
Protect against electrostatic charges.

· **7.2 Conditions for safe storage, including any incompatibilities**
· **Storage:**
· **Requirements to be met by storerooms and receptacles:**
Prevent any seepage into the ground.
Use only receptacles specifically permitted for this substance/product.
Keep container tightly closed and dry and storage in a good ventilated room.

Storage temperature: 15 - 25 °C.
· **Information about storage in one common storage facility:**
Store away from oxidising agents.
Store away from foodstuffs.
Store away from water.
Do not store together with oxidising and acidic materials as well as heavy-metal compounds.
· **Further information about storage conditions:**
Protect from heat and direct sunlight.
Store in dry conditions.
Protect from frost.
Protect from humidity and water.
· **Storage class:** 10
· **7.3 Specific end use(s)** No further relevant information available.

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SECTION 8: Exposure controls/personal protection

· **Additional information about design of technical facilities:** No further data; see item 7.

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**	
124-17-4 2-(2-butoxyethoxy)ethyl acetate	
AGW (Germany)	Long-term value: 67 mg/m³, 10 ppm 1,5(I);DFG, Y, 11

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**
· **Personal protective equipment:**
· **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
· **Respiratory protection:** Not necessary if room is well-ventilated.

(Contd. on page 4)

(Contd. of page 3)

· **Protection of hands:**
Preventive skin protection (3-point program) required
Gloves approved to relevant standards as EN 374 (Europe) and F739 (U.S.)
tested gloves are used. Suitability and durability of a Glove is dependent on usage, for example frequency and duration of contact,
chemical resistance of glove material and dexterity Always seek advice from glove suppliers.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

· **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

· **Penetration time of glove material**
The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.

· **For the permanent contact in work areas without heightened risk of injury (e.g. Laboratory) gloves made of the following material are suitable:**
Natural rubber, NR

· **Eye protection:**



Tightly sealed goggles

· **Body protection:** Protective work clothing

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SECTION 9: Physical and chemical properties

· **9.1 Information on basic physical and chemical properties**	
· **General Information**	
· **Appearance:**	
Form:	Fluid
Colour:	Whitish
· **Odour:**	Characteristic
· **Odour threshold:**	Not determined.
· **pH-value:**	Not determined.
· **Change in condition**	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.
· **Flash point:**	> 100 °C
· **Flammability (solid, gaseous):**	Not applicable.
· **Ignition temperature:**	
Decomposition temperature:	Not determined.
· **Self-igniting:**	Product is not selfigniting.
· **Danger of explosion:**	Product does not present an explosion hazard.
· **Explosion limits:**	
Lower:	Not determined.
Upper:	Not determined.

(Contd. on page 5)

(Contd. of page 4)

· **Vapour pressure:**	Not determined.
· **Density at 20 °C:**	1 g/cm³
· **Relative density**	Not determined.
· **Vapour density**	Not determined.
· **Evaporation rate**	Not determined.
· **Solubility in / Miscibility with water:**	Insoluble.
· **Partition coefficient (n-octanol/water):**	Not determined.
· **Viscosity:**	
Dynamic at 20 °C:	900 mPas
Kinematic:	Not determined.
· **Solvent content:**	
Organic solvents:	1,8 %
VOC (EC)	15.2 g/l
· **9.2 Other information**	No further relevant information available.

SECTION 10: Stability and reactivity

· **10.1 Reactivity** No further relevant information available.
· **10.2 Chemical stability**
· **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
· **10.3 Possibility of hazardous reactions**
Violent reaction with concentrated alkali and oxidising agents.
No dangerous reactions known.
· **10.4 Conditions to avoid** No further relevant information available.
· **10.5 Incompatible materials:**
water , alcohol , amine , base and acid
Incompatible with oxidizing agents, acids
· **10.6 Hazardous decomposition products:** Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information

· **11.1 Information on toxicological effects**
· **Acute toxicity** Based on available data, the classification criteria are not met.

· **LD/LC50 values relevant for classification:**

38640-62-9 alkylated aromatic hydrocarbon

Oral	LD50	> 4000 mg/kg (Ratte)
	NOAEL	~170 mg/kg (Ratte)
Dermal	LD50	>4000 mg/kg (Ratte)
Inhalative	LC50/4 h	> 5.6 mg/l (Ratte)

· **Primary irritant effect:**
· **Skin corrosion/irritation** slightly irritant (OECD method), labelling not required
· **Serious eye damage/irritation**
sligthly irritant, labelling not required
(analogy conclusion)
· **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
· **CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)**
· **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
· **Carcinogenicity** Based on available data, the classification criteria are not met.
· **Reproductive toxicity** Based on available data, the classification criteria are not met.
· **STOT-single exposure** Based on available data, the classification criteria are not met.

(Contd. on page 6)

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· **STOT-repeated exposure** Based on available data, the classification criteria are not met.
· **Aspiration hazard** Based on available data, the classification criteria are not met.

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SECTION 12: Ecological information

· **12.1 Toxicity**

· **Aquatic toxicity:**	
38640-62-9 alkylated aromatic hydrocarbon	
LC0(96h)	0.5 mg/l (fish)
EC0 (48h)	0.16 mg/l (D)
LL50 (48h)	1.7 mg/L (D)
EC0 (72h)	0.15 mg/l (A)
NOEC (21d)	0.013 µg/l (D)

· **12.2 Persistence and degradability** No further relevant information available.
· **Other information:** Elimination by adsorption onto activated sludge
· **12.3 Bioaccumulative potential** No further relevant information available.
· **12.4 Mobility in soil** No further relevant information available.
· **Ecotoxical effects:**
· **Remark:** Harmful to fish
· **Additional ecological information:**
· **General notes:**
Harmful to aquatic organisms
Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water
Do not allow product to reach ground water, water course or sewage system, even in small quantities.
Danger to drinking water if even extremely small quantities leak into the ground.
· **12.5 Results of PBT and vPvB assessment**
· **PBT:** Not applicable.
· **vPvB:** Not applicable.
· **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

· **13.1 Waste treatment methods**
· **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
Must be specially treated adhering to official regulations.

· **Uncleaned packaging:**
· **Recommendation:**
The empty containers may not be disposed of unless the adhesive to the container walls
Been removed.
Disposal according to official regulations

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SECTION 14: Transport information

· **14.1 UN-Number**	
· **ADR, ADN**	Void
· **IMDG, IATA**	UN3082
· **14.2 UN proper shipping name**	
· **ADR, ADN**	Void

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· **IMDG**	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (alkylated aromatic hydrocarbon, Naphtha (petroleum), hydrotreated heavy; naphtha, low boiling point), MARINE POLLUTANT
· **IATA**	Environmentally hazardous substance, liquid, n.o.s.
· **14.3 Transport hazard class(es)**	
· **ADR, ADN**	
· **Class**	Void
· **IMDG, IATA**	
· **Class**	9 Miscellaneous dangerous substances and articles.
· **Label**	9
· **14.4 Packing group**	
· **ADR**	Void
· **IMDG, IATA**	III
· **14.5 Environmental hazards:**	Product contains environmentally hazardous substances: alkylated aromatic hydrocarbon
· **Marine pollutant:**	Yes Symbol (fish and tree)
· **Special marking (IATA):**	Symbol (fish and tree)
· **14.6 Special precautions for user**	Not applicable.
· **EMS Number:**	F-A,S-F
· **Stowage Category**	A
· **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**	Not applicable.
· **Transport/Additional information:**	Not dangerous according to the above specifications.
· **IMDG**	
· **Limited quantities (LQ)**	5L
· **Excepted quantities (EQ)**	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· **UN "Model Regulation":**	Void

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SECTION 15: Regulatory information

· **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**
· **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.
· **Hazard pictograms**



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· **Signal word** Void
· **Hazard statements**
H411 Toxic to aquatic life with long lasting effects.

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· **Precautionary statements**
P273 Avoid release to the environment.
P391 Collect spillage.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· **Directive 2012/18/EU**
· **Named dangerous substances - ANNEX I** None of the ingredients is listed.
· **Seveso category** E2 Hazardous to the Aquatic Environment
· **Qualifying quantity (tonnes) for the application of lower-tier requirements** 200 t
· **Qualifying quantity (tonnes) for the application of upper-tier requirements** 500 t

· **National regulations:**

· **Technical instructions (air):**

Class	Share in %
NK	0,25-2,5

· **Waterhazard class:** Water hazard class 3 (Self-assessment): extremely hazardous for water.
· **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H319 Causes serious eye irritation.
H410 Very toxic to aquatic life with long lasting effects.

· **Department issuing MSDS:** environment protection department

· **Abbreviations and acronyms:**
RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)
ICAO: International Civil Aviation Organisation
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity, Hazard Category 4
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
· ***** Data compared to the previous version altered.**