

## Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 10.10.2020

Version number 4

Revision: 06.10.2020

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

#### 1.1 Product Identifier:

**Trade name: E.33**

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

**Product category:** PC35 Washing and cleaning products (including solvent based products)

**Application of the substance / the mixture:** Professional use only

#### 1.3 Details of the supplier of the safety data sheet:

##### Manufacturer / Importer / Supplier:

i-team  
Hoppenkuil 27B,  
5626 DD, Eindhoven  
Nederland  
email: sds@i-teamglobal.com  
www.i-teamglobal.com

**Further information obtainable from:** Product safety department.

#### 1.4 Emergency telephone number:

Only for DOCTORS / FIRE BRIGADE / POLICE:

NL-Phone: +31 53 4282860 (During office hours)

### SECTION 2: Hazards identification

#### 2.1 Classification of the substance or mixture:

**Classification according to Regulation (EC) No 1272/2008:** The product is not classified, according to the CLP regulation.

#### 2.2 Label elements:

**Labelling according to Regulation (EC) No 1272/2008:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

#### 2.3 Other hazards:

##### Results of PBT and vPvB assessment:

**PBT:** Not applicable.

**vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

#### 3.2

**Description:** Mixture of substances listed below, possibly with non-hazardous additions.

##### Components:

CAS: 506-89-8 EINECS: 208-059-8	Urea Hydrochloride ☠ Acute Tox. 3, H301; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	2.5-10%
CAS: 34590-94-8 EINECS: 252-104-2 Reg.nr.: 01-2119450011-60	Dipropylene glycol monomethyl ether substance with a Community workplace exposure limit	≤2.5%

##### Ingredients according to detergents regulation (EC nr. 648/2004):

non-ionic surfactants, anionic surfactants	<5%
PHENOXYETHANOL, LAURYLAMINE DIPROPYLENEDIAMINE	

**Additional information:** For the wording of the listed hazard phrases See section 16.

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures:

##### After inhalation:

Supply fresh air. If required, provide artificial respiration. Keep patient warm. Consult doctor if symptoms persist.

In case of unconsciousness place patient stably in side position for transportation.

##### After skin contact:

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

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If skin irritation continues, consult a doctor.

**After eye contact:**

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.  
If possible, remove contact lenses.

**After ingestion:**

Rinse out mouth and then drink plenty of water.  
Induce vomiting only, if affected person is fully conscious.

**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:**

Use fire extinguishing methods suitable to surrounding conditions.  
All extinguishing media are possible.

**5.2 Special hazards arising from the substance or mixture:** Carbon monoxide can arise from incomplete combustion.

**5.3 Advice for firefighters:**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Cool endangered tanks with water spray.

## SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:**

Wear protective equipment. Keep unprotected persons away.

**6.2 Environmental precautions:**

Do not allow product to reach sewage system or any water course.  
Remainder dilute with plenty of water.  
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).

**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.

## SECTION 7: Handling and storage

**7.1 Precautions for safe handling:**

Ensure good ventilation/exhaustion at the workplace.  
Do not eat, drink or smoke while working.  
In the immediate vicinity of any potential exposure source, eye wash stations and emergency showers should be available.

**Information about fire and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities:**

**Storage:**

**Requirements to be met by storerooms and tanks:** Store only in the original receptacle.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:**

Protect from frost.  
Store receptacle in fume cupboard.

**7.3 Specific end use(s):** No further relevant information available.

## \* SECTION 8: Exposure controls/personal protection

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

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**8.1 Control parameters:**

**Ingredients with limit values that require monitoring at the workplace:**

**34590-94-8 Dipropylene glycol monomethyl ether**

WEL (Great Britain)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Sk
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IOELV (EU)	Long-term value: 308 mg/m <sup>3</sup> , 50 ppm Skin
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**DNELs**

**34590-94-8 Dipropylene glycol monomethyl ether**

Oral	Long-term - systemic effects	1.67 mg/kg bw/day (Consumer)
Dermal	Long-term - systemic effects	15 mg/kg bw/day (Consumer) 65 mg/kg bw/day (Worker)
Inhalative	Long-term - systemic effects	37.2 mg/m <sup>3</sup> (Consumer) 310 mg/m <sup>3</sup> (Worker)

**PNECs**

**34590-94-8 Dipropylene glycol monomethyl ether**

Fresh water	19 mg/l
Marine water	1.9 mg/l
Intermittent releases	190 mg/l
Fresh water sediment	70.2 mg/kg
Marine sediment	7.02 mg/kg
Soil	2.74 mg/kg
Sewage treatment	4,168 mg/l

**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.  
Wash hands before breaks and at the end of work.

**Respiratory protection:** Not necessary if room is well-ventilated.

**Protection of hands:** Only use chemical-protective gloves with CE-labelling of category III.

**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.

Gloves Neo-Nitrile™ 300 – AQL or 0.65 (level 3). Thickness-0.35 mm.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:**

Goggles recommended during refilling



Tightly sealed goggles

**Limitation and supervision of exposure into the environment:** Prevent spills from reaching surface waters or soil.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties:**

**General Information:**

**Appearance:**

**Form:** Liquid.

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<b>Colour:</b>	Pink
<b>Odour:</b>	Characteristic
<b>Odour threshold:</b>	Not determined.
<b>pH-value:</b>	Not determined.
<b>Change in condition</b>	
<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	100 °C
<b>Flash point:</b>	Not applicable.
<b>Flammability (solid, gas):</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density at 20 °C:</b>	1.02 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Fully miscible.
<b>Refraction Index:</b>	1.347
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not determined.
<b>Kinematic:</b>	Not determined.
<b>9.2 Other information:</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity:** Stable under recommended conditions.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** Violent reactions with strong alkalis and oxidising agents.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** Strong bases

### 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:**

**ATE (Acute Toxicity Estimates)**

Oral	LD50	31,202 mg/kg
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**506-89-8 Urea Hydrochloride**

Oral	LD50	1,121 mg/kg (Rat)
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**34590-94-8 Dipropylene glycol monomethyl ether**

Oral	LD50	5,135 mg/kg (Rat)
Dermal	LD50	>19,000 mg/kg (Rabbit)

**Primary irritant effect:**

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

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

**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenic, mutagenic and reprotoxic):**

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

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

**Reprotoxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**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.

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**Aquatic toxicity:**

**34590-94-8 Dipropylene glycol monomethyl ether**

NOEC / 21d | ≥0.5 mg/l (Daphnia Magna)

**12.2 Persistence and degradability:** Biodegradable

**12.3 Bioaccumulative potential:**

Bioaccumulation is not expected.

**34590-94-8 Dipropylene glycol monomethyl ether**

Log Pow/Cow | 0.004

**12.4 Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**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.

**Contaminated packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**Recommended cleansing agents:** Water, if necessary together with cleansing agents.

**SECTION 14: Transport information**

**14.1 UN-Number:**

ADR/RID/ADN, IMDG, IATA | Void

**14.2 UN proper shipping name:**

ADR/RID/ADN, IMDG, IATA | Void

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**14.3 Transport hazard class(es):**

**ADR/RID/ADN, IMDG, IATA**

**Class:** Void

**14.4 Packing group:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user:**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:**

Not applicable.

**UN "Model Regulation":**

Void

**SECTION 15: Regulatory information**

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

**Directive 2012/18/EU:**

**Named dangerous substances - ANNEX I:** None of the ingredients are listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**National regulations:**

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

**SECTION 16: Other information**

**Relevant phrases:**

H301 Toxic if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation.

**Training hints:** Take care of good information, instruction and training for users.

**Department issuing SDS:** Environment protection department.

**Abbreviations and acronyms:**

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Acute Tox. 3: Acute toxicity - oral – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Eye Irrit. 2: Serious eye damage/eye irritation – Category 2  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

**References:**

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)  
See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>

**Revisions were made in sections marked with \*.**

**Disclaimer:**

The information provided in this Material Safety Data Sheet has been prepared with the utmost care and corresponds to the most recent information available to the supplier on the date of publication mentioned in the header of every page. The contents of this Material Safety Data Sheet should not be considered as a guarantee for certain product properties or fitness for particular purposes. It is the obligation of the user to determine whether the product is suitable for the specific purpose, intended use and the method of application. This Safety Data Sheet only relates to the product described and does not apply to any not defined use or the use of the product in combination with other materials, substances or products. It is the responsibility of the user to use and handle the product with care and to comply with all applicable laws and regulations. The supplier accepts no liability for direct or indirect damages resulting from improper use of this Material Safety Data Sheet and / or the products described therein.

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**Safety data sheet**  
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Printing date 10.10.2020

Version number 9

Revision: 10.10.2020

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

**1.1 Product Identifier:**

**Trade name: E.73**

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

**Product category:** PC35 Washing and cleaning products (including solvent based products)

**Application of the substance / the mixture:** Professional use only

**1.3 Details of the supplier of the safety data sheet:**

**Manufacturer / Importer / Supplier:**

i-team

Hoppenkuil 27B,  
5626 DD, Eindhoven  
Nederland

email: sds@i-teamglobal.com

www.i-teamglobal.com

**Further information obtainable from:** Product safety department.

**1.4 Emergency telephone number:**

Only for DOCTORS / FIRE BRIGADE / POLICE:

NL-Phone: +31 53 4282860 (During office hours)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008:** The product is not classified, according to the CLP regulation.

**2.2 Label elements:**

**Labelling according to Regulation (EC) No 1272/2008:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

**2.3 Other hazards:**

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2**

**Description:** Mixture of substances listed below, possibly with non-hazardous additions.

**Components:**

CAS: 64-17-5 EINECS: 200-578-6 Index number: 603-002-00-5 Reg.nr.: 01-2119457610-43	ethanol	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319	2.5-10%
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**Ingredients according to detergents regulation (EC nr. 648/2004):**

non-ionic surfactants, anionic surfactants	<5%
PHENOXYETHANOL, LAURYLAMINE DIPROPYLENEDIAMINE	

**Additional information:** For the wording of the listed hazard phrases See section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures:**

**General information:** Take affected persons out of danger area and lay down.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

If skin irritation continues, consult a doctor.

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**After eye contact:**

If possible, remove contact lenses.

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

**After ingestion:**

Rinse out mouth and then drink plenty of water.

Induce vomiting only, if affected person is fully conscious.

**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:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water spray

**5.2 Special hazards arising from the substance or mixture:** Carbon monoxide can arise from incomplete combustion.

**5.3 Advice for firefighters:**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Cool endangered tanks with water spray.

**SECTION 6: Accidental release measures**

**6.1 Personal precautions, protective equipment and emergency procedures:** Not required.

**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).

**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.

**SECTION 7: Handling and storage**

**7.1 Precautions for safe handling:** No special precautions are necessary if used correctly.

**Information about fire and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities:** Storage must comply with the local regulations.

**Storage:**

**Requirements to be met by storerooms and tanks:** No special requirements.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:**

Protect from frost.

Store receptacle in fume cupboard.

**7.3 Specific end use(s):** No further relevant information available.

**SECTION 8: Exposure controls/personal protection**

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

**8.1 Control parameters:**

**Ingredients with limit values that require monitoring at the workplace:**

**64-17-5 ethanol**

WEL (Great Britain) | Long-term value: 1920 mg/m<sup>3</sup>, 1000 ppm

**DNELs**

**64-17-5 ethanol**

Oral | Long-term - systemic effects | 67 mg/kg bw/day (Consumer)

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Dermal	Long-term - systemic effects	206 mg/kg bw/day (Consumer) 343 mg/kg bw/day (Worker)
	Inhalative	Acute - local effects 950 mg/m <sup>3</sup> (Consumer) 1,900 mg/m <sup>3</sup> (Worker)
	Long-term - systemic effects	114 mg/m <sup>3</sup> (Consumer) 950 mg/m <sup>3</sup> (Worker)

**PNECs**

**64-17-5 ethanol**

Fresh water	0.96 mg/l
Marine water	0.79 mg/l
Intermittent releases	2.75 mg/l
Fresh water sediment	3.6 mg/kg
Marine sediment	2.9 mg/kg
Soil	0.63 mg/kg
Sewage treatment	580 mg/l

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

**8.2 Exposure controls**

**Personal protective equipment:**

**General protective and hygienic measures:** Wash hands before breaks and at the end of work.

**Respiratory protection:**

Not necessary if room is well-ventilated.

Not required.

**Protection of hands:**

Only use chemical-protective gloves with CE-labelling of category III.

Use protective gloves to EN ISO 374-1

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**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.

Gloves Neo-Nitrile™ 300 – AQL or 0.65 (level 3). Thickness-0.35 mm.

**Penetration time of glove material:**

Permeation: Breakthrough time - > 480 min

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye protection:** Goggles recommended during refilling

**Body protection:** Protective work clothing

**Limitation and supervision of exposure into the environment:** Prevent spills from reaching surface waters or soil.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties:**

**General Information:**

**Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Green
<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	Not determined.

**pH-value at 20 °C:** ca. 8.5

**Change in condition**

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	Undetermined.

**Flash point:** Not applicable.

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<b>Flammability (solid, gas):</b>	Not applicable.
<b>Decomposition temperature:</b>	Not determined.
<b>Auto-ignition temperature:</b>	Product is not self-igniting.
<b>Explosive properties:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa
<b>Density at 20 °C:</b>	1.013 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.
<b>Solubility in / Miscibility with:</b>	
<b>Water:</b>	Fully miscible.
<b>Refraction Index:</b>	1.357
<b>Partition coefficient: n-octanol/water:</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic at 20 °C:</b>	47 mPas (Brookfield S61/100rpm)
<b>Kinematic:</b>	Not determined.
<b>9.2 Other information:</b>	No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity:** Stable under recommended conditions.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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:**

**64-17-5 ethanol**

Oral	LD50	7,060 mg/kg (Rat)
Dermal	LD50	>15,800 mg/kg (Rabbit)
Inhalative	LC50/4 h	51 mg/l (Rat)

**Primary irritant effect:**

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

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

**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenic, mutagenic and reprotoxic):**

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

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

**Reprotoxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

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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.

**SECTION 12: Ecological information**

**12.1 Toxicity:**

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** Easily biodegradable

**12.3 Bioaccumulative potential:** Bioaccumulation is not expected.

**12.4 Mobility in soil:** No further relevant information available.

**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**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.

**Contaminated packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

<b>14.1 UN-Number:</b> ADR/RID/ADN, IMDG, IATA	Void
<b>14.2 UN proper shipping name:</b> ADR/RID/ADN, IMDG, IATA	Void
<b>14.3 Transport hazard class(es):</b> ADR/RID/ADN, IMDG, IATA Class:	Void
<b>14.4 Packing group:</b> ADR/RID/ADN, IMDG, IATA	Void
<b>14.5 Environmental hazards:</b> Marine pollutant:	No
<b>14.6 Special precautions for user:</b>	Not applicable.
<b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:</b>	Not applicable.
<b>UN "Model Regulation":</b>	Void

**SECTION 15: Regulatory information**

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

**Directive 2012/18/EU:**

**Named dangerous substances - ANNEX I:** None of the ingredients are listed.

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**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**National regulations:****Water hazard class:** Water hazard class 1 (Self-assessment): slightly hazardous for water.**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.**SECTION 16: Other information****Relevant phrases:**

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

**Training hints:** Take care of good information, instruction and training for users.**Department issuing SDS:** Environment protection department.**Abbreviations and acronyms:**

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

Flam. Liq. 2: Flammable liquids – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

**References:**

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

See also the internet site: <http://echa.europa.eu/web/guest/information-on-chemicals/cl-inventory-database>**Revisions were made in sections marked with \*.****Disclaimer:**

The information provided in this Material Safety Data Sheet has been prepared with the utmost care and corresponds to the most recent information available to the supplier on the date of publication mentioned in the header of every page. The contents of this Material Safety Data Sheet should not be considered as a guarantee for certain product properties or fitness for particular purposes. It is the obligation of the user to determine whether the product is suitable for the specific purpose, intended use and the method of application. This Safety Data Sheet only relates to the product described and does not apply to any not defined use or the use of the product in combination with other materials, substances or products. It is the responsibility of the user to use and handle the product with care and to comply with all applicable laws and regulations. The supplier accepts no liability for direct or indirect damages resulting from improper use of this Material Safety Data Sheet and / or the products described therein.

**Safety data sheet**  
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Printing date 10.10.2020

Version number 4

Revision: 10.10.2020

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

**1.1 Product Identifier:**

**Trade name: E.52**

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

**Product category:** PC35 Washing and cleaning products (including solvent based products)

**Application of the substance / the mixture:** Professional use only

**1.3 Details of the supplier of the safety data sheet:**

**Manufacturer / Importer / Supplier:**

i-team  
Hoppenkuil 27B,  
5626 DD, Eindhoven  
Nederland  
email: sds@i-teamglobal.com  
www.i-teamglobal.com

**Further information obtainable from:** Product safety department.

**1.4 Emergency telephone number:**

Only for DOCTORS / FIRE BRIGADE / POLICE:

NL-Phone: +31 53 4282860 (During office hours)

**SECTION 2: Hazards identification**

**2.1 Classification of the substance or mixture:**

**Classification according to Regulation (EC) No 1272/2008:** The product is not classified, according to the CLP regulation.

**2.2 Label elements:**

**Labelling according to Regulation (EC) No 1272/2008:** Void

**Hazard pictograms:** Void

**Signal word:** Void

**Hazard statements:** Void

**2.3 Other hazards:**

**Results of PBT and vPvB assessment:**

**PBT:** Not applicable.

**vPvB:** Not applicable.

**SECTION 3: Composition/information on ingredients**

**3.2**

**Description:** Mixture of substances listed below, possibly with non-hazardous additions.

**Components:**

CAS: 57-55-6	Propylene glycol	substance with a Community workplace exposure limit	2.5-10%
EINECS: 200-338-0			
Reg.nr.: 01-2119456809-23			

**Ingredients according to detergents regulation (EC nr. 648/2004):**

non-ionic surfactants	≥15 - <30%
anionic surfactants	<5%
PHENOXYETHANOL, LAURYLAMINE DIPROPYLENEDIAMINE	

**Additional information:** For the wording of the listed hazard phrases See section 16.

**SECTION 4: First aid measures**

**4.1 Description of first aid measures:**

**General information:**

No special measures required.

Take affected persons out of danger area and lay down.

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:**

Take off contaminated clothing immediately and wash the skin with plenty of water (possibly showering).

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If skin irritation continues, consult a doctor.

**After eye contact:**

If possible, remove contact lenses.

Rinse opened eye for several minutes (at least 15 minutes) under running water. If symptoms persist, consult a doctor.

**After ingestion:**

Rinse out mouth and then drink plenty of water.

Induce vomiting only, if affected person is fully conscious.

**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:** Use fire extinguishing methods suitable to surrounding conditions.

**For safety reasons unsuitable extinguishing agents:** Water spray

**5.2 Special hazards arising from the substance or mixture:** Carbon monoxide can arise from incomplete combustion.

**5.3 Advice for firefighters:**

**Protective equipment:** Wear self-contained respiratory protective device.

**Additional information:** Cool endangered tanks with water spray.

### SECTION 6: Accidental release measures

**6.1 Personal precautions, protective equipment and emergency procedures:** Not required.

**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).

**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.

### SECTION 7: Handling and storage

**7.1 Precautions for safe handling:** No special measures required.

**Information about fire and explosion protection:** No special measures required.

**7.2 Conditions for safe storage, including any incompatibilities:** Storage must comply with the local regulations.

**Storage:**

**Requirements to be met by storerooms and tanks:** No special requirements.

**Information about storage in one common storage facility:** Store away from oxidising agents.

**Further information about storage conditions:**

Protect from frost.

Store receptacle in fume cupboard.

**7.3 Specific end use(s):** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

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

**8.1 Control parameters:**

**Ingredients with limit values that require monitoring at the workplace:**

**57-55-6 Propylene glycol**

WEL (Great Britain)	Long-term value: 474* 10** mg/m <sup>3</sup> , 150* ppm *total vapour and particulates **particulates
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**Additional information:** The lists valid during the making were used as basis.

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**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.

Not required.

**Protection of hands:**

Only use chemical-protective gloves with CE-labelling of category III.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

**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.

**Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**For the permanent contact gloves made of the following materials are suitable:** PVA gloves

**For the permanent contact of a maximum of 15 minutes gloves made of the following materials are suitable:**

Fluorocarbon rubber (Viton)

**Eye protection:** Goggles recommended during refilling

**Body protection:**

Protective work clothing

Anti-static clothing

**Limitation and supervision of exposure into the environment:** Prevent spills from reaching surface waters or soil.

**SECTION 9: Physical and chemical properties**

**9.1 Information on basic physical and chemical properties:**

**General Information:**

**Appearance:**

<b>Form:</b>	Liquid.
<b>Colour:</b>	Blue
<b>Odour:</b>	Odourless.
<b>Odour threshold:</b>	Not determined.

**pH-value at 20 °C:** 7.5 - 8

**Change in condition**

<b>Melting point/freezing point:</b>	Not determined.
<b>Initial boiling point and boiling range:</b>	100 °C

**Flash point:** Not applicable.

**Flammability (solid, gas):** Not applicable.

**Decomposition temperature:** Not determined.

**Auto-ignition temperature:** Product is not self-igniting.

**Explosive properties:** Product does not present an explosion hazard.

**Explosion limits:**

<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.

**Vapour pressure at 20 °C:** 23 hPa

<b>Density at 20 °C:</b>	1.05 g/cm <sup>3</sup>
<b>Relative density:</b>	Not determined.
<b>Vapour density:</b>	Not determined.
<b>Evaporation rate:</b>	Not determined.

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**Solubility in / Miscibility with:**

**Water:** Fully miscible.  
**Refraction Index:** 1.378

**Partition coefficient: n-octanol/water:** Not determined.

**Viscosity:**

**Dynamic at 20 °C:** 50 mPas (Brookfield sp.S61-100rpm)  
**Kinematic:** Not determined.

**Solvent content:**

**Oxidizing properties:** Does not contain oxidizing properties.

**9.2 Other information:** No further relevant information available.

### SECTION 10: Stability and reactivity

**10.1 Reactivity:** Stable under recommended conditions.

**10.2 Chemical stability:**

**Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions:** No dangerous reactions known.

**10.4 Conditions to avoid:** No further relevant information available.

**10.5 Incompatible materials:** No further relevant information available.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### 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:**

**57-55-6 Propylene glycol**

Oral	LD50	20,000 mg/kg (Rat)
Dermal	LD50	20,800 mg/kg (rbt)

**Primary irritant effect:**

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

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

**Respiratory or skin sensitization:** Based on available data, the classification criteria are not met.

**CMR effects (carcinogenic, mutagenic and reprotoxic):**

**Germ cell mutagenicity:** Based on available data, the classification criteria are not met.

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

**Reprotoxicity:** Based on available data, the classification criteria are not met.

**STOT-single exposure:** Based on available data, the classification criteria are not met.

**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.

### SECTION 12: Ecological information

**12.1 Toxicity:**

The product components are not classified as dangerous for the environment or the quantities are not relevant. Larger or frequent spills can be dangerous or harmful to the environment.

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability:** Easily biodegradable

**12.3 Bioaccumulative potential:** Bioaccumulation is not expected.

**12.4 Mobility in soil:** No further relevant information available.

(Contd. on page 5)

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**Trade name: E.52**

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**Additional ecological information:**

**General notes:** Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water

**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:** Smaller quantities can be disposed of with household waste.

**Contaminated packaging:**

**Recommendation:** Disposal must be made according to official regulations.

**SECTION 14: Transport information**

**14.1 UN-Number:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.2 UN proper shipping name:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.3 Transport hazard class(es):**

**ADR/RID/ADN, IMDG, IATA**  
**Class:** Void

**14.4 Packing group:**

**ADR/RID/ADN, IMDG, IATA** Void

**14.5 Environmental hazards:**

**Marine pollutant:** No

**14.6 Special precautions for user:**

Not applicable.

**14.7 Transport in bulk according to Annex II of Marpol and the IBC Code:**

Not applicable.

**UN "Model Regulation":**

Void

**SECTION 15: Regulatory information**

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

**Directive 2012/18/EU:**

**Named dangerous substances - ANNEX I:** None of the ingredients are listed.

**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**National regulations:**

**Water hazard class:** Water hazard class 1 (Self-assessment): slightly 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. This shall not constitute a guarantee for any properties of the product and shall not establish a legally valid contractual relationship.

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**Trade name: E.52**

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**Training hints:** Take care of good information, instruction and training for users.

**Department issuing SDS:** Environment protection department.

**Abbreviations and acronyms:**

ADN: Accord Européen relatif au Transport International des Marchandises Dangereuses par voie de Navigation Intérieures (European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways)

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LC50: Lethal concentration, 50 percent

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vPvB: very Persistent and very Bioaccumulative

EC50: Effective Concentration, 50 percent

IOELVS: Indicative Occupational Exposure Limit Values

mPa.s: milliPascal per second

**References:**

This information is based on the current available data (suppliers of raw materials, chemistry maps, Annex VI)

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**Revisions were made in sections marked with \*.**

GB