

## SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006

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

**Product identifier**

Trade name or designation of the mixture                      CO-1055 Synthetic (EU) Nederlands  
Identification number                      Not applicable.  
Registration number                      01-2119486978-10-0007/01-2119480407-35-0008  
Synonyms                      DECYL ALCOHOL \* CAPRYLIC ALCOHOL  
Product code                      99382266  
Date of first issue                      12-10-2010  
Version number                      01  
Revision date                      -  
Supersedes date                      -

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

Identified uses                      Intermediate. Lubricant. Lubricant additives. Laboratory chemicals. Solvents.  
Uses advised against                      None known.

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

Legal Entity                      Procter & Gamble Nederland B.V.  
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                                                 3067 GG  
                                                 Rotterdam  
                                                 Netherlands  
                                                 Telephone Number: +322-456-4150  
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Supplier Name                      Procter & Gamble International Operations SA  
                                                 P&G Chemicals - Europe  
                                                 47, Route de Saint-Georges  
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                                                 Quality or Service Issues: 1-800-477-8899 or +1-513-626-6882  
                                                 Emergency Telephone Number: +(41) 22 58 004 8213 (day phone)  
SDS number                      ALCH501  
Reference number                      Not available.

### Section 2: Hazards identification

**Classification of the substance or mixture**

Classification according to Directive 67/548/EEC or 1999/45/EC as amended

Classification                      Xi;R36

The full text for all R-phrases is displayed in section 16


Classification according to Regulation (EC) No 1272/2008 as amended

**Health hazards**

Serious eye damage/eye irritation                      Category 2                      Causes serious eye irritation.

**Hazard summary**

Physical hazards                      Not classified for physical hazards.

Health hazards	Irritating to eyes. Occupational exposure to the substance or mixture may cause adverse health effects.
Environmental hazards	Not classified for hazards to the environment.
Specific hazards	Combustible liquid and vapor. May be ignited by friction, heat, spark or flames. Containers may explode when heated. May travel considerable distance to source of ignition and flash back. Irritating to eyes. High vapor concentrations are irritating to the eyes, nose, throat, and lungs.
Main symptoms	Causes severe eye irritation.
Label elements	
Label according to Regulation (EC) No. 1272/2008 as amended	
Contains:	1-DECANOL, 1-OCTANOL
Authorization number	01-2119486978-10-0007/01-2119480407-35-0008
	
Signal word	Warning
Hazard statements	Causes serious eye irritation.
Precautionary statements	
Prevention	Wear suitable protective clothing and eye/face protection.
Response	Immediately flush eyes with plenty of water for at least 15 minutes.
Storage	No special storage precautions noted.
Disposal	Not available.
Supplemental label information	Not available.
Other hazards	Not assigned.
Emergency overview	Causes serious eye irritation.

### Section 3: Composition/information on ingredients

#### Mixture

#### General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
1-DECANOL	51 - 59	112-30-1 203-956-9	01-2119480407-35-0008	-	#
Classification:		DSD: Xi;R36 CLP: Eye Irrit. 2;H319			
1-OCTANOL	39 - 47	111-87-5 203-917-6	01-2119486978-10-0007	-	#
Classification:		DSD: Xi;R36 CLP: Eye Irrit. 2;H319			

CLP: Regulation No. 1272/2008.

DSD: Directive 67/548/EEC.

#: This substance has workplace exposure limit(s). PBT:

persistent, bioaccumulative and toxic substance. vPvB:

very persistent and very bioaccumulative substance.

Composition comments The full text for all R- and H-phrases is displayed in section 16

### Section 4: First aid measures

#### Description of first aid measures

Inhalation	Move to fresh air. If breathing stops, provide artificial respiration. If breathing is difficult, give oxygen. Get medical attention immediately.
Skin contact	Wash off with soap and water. Remove contaminated clothing. Get medical attention if irritation develops and persists. Wash clothing separately before reuse.

Eye contact	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention immediately.
Ingestion	Get medical attention. Call a physician or poison control center immediately. Only induce vomiting at the instruction of medical personnel. Never give anything by mouth to an unconscious person.
Most important symptoms and effects, both acute and delayed	Not available.
Indication of any immediate medical attention and special treatment needed	Not available.

## Section 5: Firefighting measures

General fire hazards	May be ignited by heat, sparks or flames. Containers may explode when heated. Vapors may travel to a source of ignition and flash back.
Extinguishing media	
Suitable extinguishing media	Water fog. Foam. Dry powder. Carbon dioxide (CO <sub>2</sub> ). Alcohol resistant foam.
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Special hazards arising from the substance or mixture	May be ignited by heat, sparks or flames. Containers may explode when heated. Vapors may travel to a source of ignition and flash back.
Advice for firefighters	
Special protective equipment for firefighters	Firefighters should wear full protective clothing including self contained breathing apparatus.
Special firefighting procedures	Not available.

## Section 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures	
For non-emergency personnel	Keep unnecessary personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep upwind. Keep out of low areas.
For emergency responders	Firefighters should wear full protective clothing including self contained breathing apparatus.
Environmental precautions	Avoid subsoil penetration. Do not flush into surface water or sanitary sewer system.
Methods and material for containment and cleaning up	Soak up with inert absorbent material.
Reference to other sections	Not available.

## Section 7: Handling and storage

Precautions for safe handling	Wear appropriate personal protective equipment.
Conditions for safe storage, including any incompatibilities	Store in a cool, dry place with adequate ventilation. Keep away from incompatible materials, open flames, and high temperatures. Keep away from heat, sparks, and flame. Keep container tightly closed.
Specific end use(s)	Not available.

## Section 8: Exposure controls/personal protection

Control parameters  
Occupational exposure limits

Bulgaria		
Material	Type	Value
CO-1055 Synthetic (EU) Nederlands (Mixture)	TWA	10 mg/m <sup>3</sup>
Bulgaria. OELs. Regulation No 13 of Ministry of Labor & Social Policy, with Ministry of Health, on protection of workers related to exposure to chemical agents at work		
Components	Type	Value
1-DECANOL (112-30-1)	TWA	10 mg/m <sup>3</sup>
1-OCTANOL (111-87-5)	TWA	10 mg/m <sup>3</sup>

Germany		
Material	Type	Value
CO-1055 Synthetic (EU) Nederlands (Mixture)	AGW	106 mg/m3
		20 ppm

Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace		
Components	Type	Value
1-OCTANOL (111-87-5)	AGW	106 mg/m3 20 ppm

Latvia		
Material	Type	Value
CO-1055 Synthetic (EU) Nederlands (Mixture)	TWA	10 mg/m3

Latvia. OELs. Occupational exposure limit values of chemical substances in work environment		
Components	Type	Value
1-DECANOL (112-30-1)	TWA	10 mg/m3
1-OCTANOL (111-87-5)	TWA	10 mg/m3

Lithuania		
Material	Type	Value
CO-1055 Synthetic (EU) Nederlands (Mixture)	TWA	10 mg/m3

Lithuania. OELs. Occupational Exposure Limit Values for Hazardous Chemical Substance Concentration, General Requirements (No. 645/169)

Components	Type	Value
1-DECANOL (112-30-1)	TWA	10 mg/m3
1-OCTANOL (111-87-5)	TWA	10 mg/m3

Romania		
Material	Type	Value
CO-1055 Synthetic (EU) Nederlands (Mixture)	STEL	47 ppm
		250 mg/m3
	TWA	28 ppm 150 mg/m3

Romania. OELs. Protection of workers from exposure to chemical agents at the workplace		
Components	Type	Value
1-DECANOL (112-30-1)	STEL	30 ppm
		200 mg/m3
	TWA	100 mg/m3 15 ppm
1-OCTANOL (111-87-5)	STEL	47 ppm
		250 mg/m3
	TWA	28 ppm 150 mg/m3

Recommended monitoring procedures Not available.

DNEL Not available.

PNEC Not available.

#### Exposure controls

Appropriate engineering controls Ensure adequate ventilation, especially in confined areas.

#### Individual protection measures, such as personal protective equipment

General information Use personal protective equipment as required. Eye wash fountain is recommended. Keep working clothes separately.

Eye/face protection Wear approved, tight fitting safety glasses where splashing is probable. Avoid contact with eyes.

Skin protection

- Hand protection Butyl rubber gloves are recommended, but be aware that the liquid may penetrate the gloves. Frequent change is advisable.

- Other Not available.

Respiratory protection	Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
Thermal hazards	Not available.
Hygiene measures	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	Not available.

## Section 9: Physical and chemical properties

### Information on basic physical and chemical properties

Appearance	Colorless.
Physical state	Liquid.
Form	Liquid.
Color	Colorless.
Odor	Fishy, Alcoholic.
Odor threshold	Not available.
pH	Not applicable.
Melting point/freezing point	Not available.
Boiling point, initial boiling point, and boiling range	> 400 °F (> 204,4 °C) at 760 mm Hg (101,3kPa)
Flash point	179,6 - 206,6 °F (82,2 - 96,7 °C) Pensky-Martens Closed Cup
Auto-ignition temperature	500 °F (260 °C)
Flammability (solid, gas)	Not available.
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Oxidizing properties	Not applicable.
Explosive properties	Not applicable.
Explosive limit	Not applicable.
Vapor pressure	0,058 mm Hg at 23,9°C (75°F) 0,202 mm Hg at 37,8°C (100°F) 1,128 mm Hg at 60°C (140°F)
Vapor density	Not applicable.
Evaporation rate	Not applicable.
Relative density	0,83 g/ml at 25/25°C
Solubility	<= 0,05 % at 25°C (77°F)
Partition coefficient (n-octanol/water)	Not available.
Decomposition temperature	Not available.
Bulk density	Not applicable.
Pour point	Not applicable.
Viscosity	Not available.
VOC (Weight %)	Not available.
Percent volatile	Not available.
Other information	No relevant additional information available.

## Section 10: Stability and reactivity

Reactivity	Strong oxidizing agents.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	Hazardous polymerization does not occur.

Conditions to avoid	No special precautions.
Incompatible materials	Not available.
Hazardous decomposition products	Carbon monoxide. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.
Materials to avoid	Strong oxidizing agents.

## Section 11: Toxicological information

General information	Not available.
Information on likely routes of exposure	
Ingestion	Not available.
Inhalation	Not available.
Skin contact	Not available.
Eye contact	Air.
Symptoms	Not available.
Information on toxicological effects	
Acute toxicity	May cause severe irritation to eyes.

Components	Test Results
1-OCTANOL (111-87-5)	Dermal Rabbit: <= 500 mg 24.00 hours Mild irritation. Other Rabbit: Irritating to eyes. Acute Dermal LD50 Rabbit: 2000 - 4000 mg/kg Scientific Assoc 1976; Rel 2 Acute Oral LD50 Rat: > 5000 mg/kg Henkel 1981; Rel 2
1-DECANOL (112-30-1)	Acute Dermal LD50 Rabbit: > 5000 mg/kg Eurofins 2009; Rel 1 Acute Inhalation LC50 Rat: > 71 mg/l 1.00 hr Scientific Assoc 1977; Rel 2 Acute Oral LD50 Rat: > 5000 mg/kg Eurofins 2008; Rel 1

\* Estimates for product may be based on additional component data not shown.

Skin corrosion/irritation	Causes mild skin irritation.
Serious eye damage/eye irritation	Causes serious eye irritation.
Respiratory sensitization	Not available.
Skin sensitization	Not a skin sensitizer.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not available.
Mixture versus substance information	Not available.
Other information	Not available.

## Section 12: Ecological information

Toxicity	
Product	Test Results
CO-1055 Synthetic (EU) Nederlands (Mixture)	EC30 Algae ( <i>Pseudokirchneriella subcapitata</i> ): 14 mg/l 48.00 Hours EC50 Water flea ( <i>Daphnia magna</i> ): 20 mg/l 96.00 Hours LC50 Fathead minnow ( <i>Pimephales promelas</i> ): 13,3 mg/l 96.00 Hours LC50 Fish: 7,1692 mg/l 96.00 hours estimated

## Components

1-OCTANOL (111-87-5)

## Test Results

EC3 (TT) Green algae (*Scenedesmus subspicatus*): 6,3 mg/l  
8.00 days

EC3 (TT) *Pseudomonas putida*:  $\geq 50$  mg/l 16.00 hours

EC50 Green algae (*Scenedesmus subspicatus*): 6,5 - 14 mg/l  
48.00 hours

EC50 Water flea (*Daphnia magna*): 20 mg/l 24.00 hours

LC50 Fathead minnow (*Pimephales promelas*): 12,2 - 15 mg/l  
96.00 hours

LC50 Fathead minnow (*Pimephales promelas*): 13,5 mg/l 96.00  
hours

NOEC Fathead minnow (*Pimephales promelas*): 1,5 - 1,9 mg/l  
7.00 days

NOEC Green algae (*Scenedesmus subspicatus*): 1,6 - 2,8 mg/l  
48.00 hours

NOEC Water flea (*Daphnia magna*): 1,6 mg/l 21.00 days

LC50 Fathead minnow (*Pimephales promelas*): 2,2 - 2,5 mg/l  
96.00 hours

1-DECANOL (112-30-1)

Persistence and degradability Expected to be readily biodegradable.

Bioaccumulative potential The product is not bioaccumulating.

Mobility Not available.

Environmental fate - Partition coefficient Not available.

Mobility in soil Not available.

Results of PBT and vPvB assessment Not available.

Other adverse effects Not available.

Persistence and degradability Expected to be readily biodegradable.

Persistence / degradability Expected to be readily biodegradable.

## Section 13: Disposal considerations

### Waste treatment methods

Residual waste Dispose of in accordance with local regulations.

Contaminated packaging Dispose in accordance with all applicable regulations.

EU waste code Waste codes should be assigned by the user based on the application for which the product was used.

## Section 14: Transport information

### ADR

Not regulated as dangerous goods.

### RID

Not regulated as dangerous goods.

### ADN

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code No information available.

## Section 15: Regulatory information

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

### EU regulations

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex I

Not listed.

Regulation (EC) No. 2037/2000 on substances that deplete the ozone layer, Annex II

Not listed.

Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 1

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 2

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex I, part 3

Not listed.

Regulation (EC) No. 689/2008 concerning the export and import of dangerous chemicals, Annex V

Not listed.

Directive 96/61/EC concerning integrated pollution prevention and control (IPPC): Article 15, European Pollution Emission Registry (EPER)

Not listed.

Regulation (EC) No. 1907/2006, Article 59(1). Candidate List

Not listed.

### Other regulations

The product is classified and labelled in accordance with EC directives or respective national laws  
This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006.

### National regulations

Not available.

### Chemical safety assessment

No Chemical Safety Assessment has been carried out.

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Switzerland	Switzerland FOPH	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

## Section 16: Other information

### List of abbreviations

Not available.

### References

Not available.

### Information on evaluation method leading to the classification of mixture

Not available.

### Full text of any statements or R-phrases and H-phrases under Sections 2 to 15

R36 Irritating to eyes.

H319 - Causes serious eye irritation.

### Revision information

Not available.

### Training information

Not available.

**Disclaimer**

The submission of the MSDS may be required by law, but this is not an assertion that the substance is hazardous when used in accordance with proper safety practices and normal handling procedures. Data supplied are for use only in connection with occupational safety and health.

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