

PROMOCLEAN DISPER 7

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Date of issue:

Revision date: 6/14/2016

Supersedes: 10/4/2013

Version: 3.0

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

1.1. Product identifier

Product form : Mixture
Product name : PROMOCLEAN DISPER 7
Product code : 050320200

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

1.2.1. Relevant identified uses

Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Cleaning product for use in aspersion machine

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

INVENTEC PERFORMANCE CHEMICALS SA
20 rue de Bourgogne
69802 SAINT-PRIEST Cedex - France
T +33 (0) 4 72 28 13 00 - F +33 (0) 4 72 28 13 41
ContactFDS@inventec.dehon.com

1.4. Emergency telephone number

Emergency number : +33 (0) 1 72 11 00 03

Country	Organisation/Company	Address	Emergency number	Comment
United Kingdom	National Poisons Information Service (Birmingham Centre) City Hospital, Guy's & St Thomas' Hospital Trust	Dudley Road B18 7QH Birmingham	0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Corr. 1B H314
STOT SE 3 H335

Full text of hazard classes and H-statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



Signal word (CLP) : Danger

Hazardous ingredients : 2-aminoethanol, ethanolamine

Hazard statements (CLP) : H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

Precautionary statements (CLP) : P260 - Do not breathe spray, mist, fume, gas, dust, vapours
P280 - Wear protective gloves, protective clothing, eye protection, face protection
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER, a doctor

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
2-aminoethanol, ethanolamine	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	10 - 25	Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314 Eye Dam. 1, H318 STOT SE 3, H335 Aquatic Chronic 3, H412

Specific concentration limits:

Name	Product identifier	Specific concentration limits
2-aminoethanol, ethanolamine	(CAS No) 141-43-5 (EC no) 205-483-3 (EC index no) 603-030-00-8 (REACH-no) 01-2119486455-28	(C >= 5) STOT SE 3, H335

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Call a POISON CENTER or doctor/physician if you feel unwell.
First-aid measures after skin contact	: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER or doctor/physician.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Causes severe skin burns and eye damage.
Symptoms/injuries after inhalation	: May cause respiratory irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

Fire hazard	: Do not breathe fumes. Toxic and corrosive gases are released.
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5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire fighting water from entering the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures	: Avoid contact with skin and eyes. Do not breathe smoke. Evacuate the danger area.
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6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

Protective equipment : Equip cleanup crew with proper protection.

Emergency procedures : Ventilate area. Stop leak if safe to do so.

6.2. Environmental precautions

Dike and contain spill. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection. For disposal of solid materials or residues refer to section 13 : "Disposal considerations".

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Provide good ventilation in process area to prevent formation of vapour. Avoid any direct contact with the product. Do not breathe vapours.

Hygiene measures : Wash hands thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep only in the original container in a cool, well ventilated place away from : Incompatible materials. Keep container tightly closed. Protect from freezing.

Incompatible products : Strong acids. Strong oxidizing agents.

Incompatible materials : Sources of ignition. Direct sunlight.

Packaging materials : Recommended materials: Original packaging, Plastic materials. Unsuitable materials: Copper and its alloys.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

2-aminoethanol, ethanolamine (141-43-5)		
Belgium	Limit value (mg/m³)	2.5 mg/m³
Belgium	Limit value (ppm)	1 ppm
Belgium	Short time value (mg/m³)	7.6 mg/m³
Belgium	Short time value (ppm)	3 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	2.5 mg/m³
Czech Republic	Expoziční limity (PEL) (ppm)	1.003 ppm
Czech Republic	Expoziční limity (NPK-P) (mg/m³)	7.5 mg/m³
Czech Republic	Expoziční limity (NPK-P) (ppm)	3.008 ppm
France	VME (mg/m³)	2.5 mg/m³
France	VME (ppm)	1 ppm
France	VLE (mg/m³)	7.6 mg/m³
France	VLE (ppm)	3 ppm
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	5.1 mg/m³
Germany	TRGS 900 Occupational exposure limit value (ppm)	2 ppm
Hungary	AK-érték	2.5 mg/m³
Hungary	CK-érték	7.6 mg/m³
Hungary	Megjegyzések (HU)	b; EU2
Italy	OEL TWA (mg/m³)	2.5 mg/m³
Italy	OEL TWA (ppm)	1 ppm
Italy	OEL STEL (mg/m³)	7.6 mg/m³
Italy	OEL STEL (ppm)	3 ppm
Netherlands	Grenswaarde TGG 8H (mg/m³)	2.5 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	7.6 mg/m³

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2-aminoethanol, ethanolamine (141-43-5)		
Netherlands	Remark (MAC)	H
Poland	NDS (mg/m³)	2.5 mg/m³
Poland	NDSch (mg/m³)	7.5 mg/m³
Slovenia	OEL TWA (mg/m³)	2.5 mg/m³
Slovenia	OEL TWA (ppm)	1 ppm
Slovenia	OEL STEL (mg/m³)	7.5 mg/m³
Slovenia	OEL STEL (ppm)	3 ppm
Spain	VLA-ED (mg/m³)	2.5 mg/m³
Spain	VLA-ED (ppm)	1 ppm
Spain	VLA-EC (mg/m³)	7.5 mg/m³
Spain	VLA-EC (ppm)	3 ppm
Sweden	nivågränsvärde (NVG) (mg/m³)	8 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	3 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	15 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	6 ppm
United Kingdom	WEL TWA (mg/m³)	2.5 mg/m³
United Kingdom	WEL TWA (ppm)	1 ppm
United Kingdom	WEL STEL (mg/m³)	7.6 mg/m³
United Kingdom	WEL STEL (ppm)	3 ppm
Norway	Grenseverdier (AN) (mg/m³)	2.5 mg/m³
Norway	Grenseverdier (AN) (ppm)	1 ppm
Norway	Merknader (NO)	H
Switzerland	VME (mg/m³)	5 mg/m³
Switzerland	VME (ppm)	2 ppm
Switzerland	VLE (mg/m³)	10 mg/m³
Switzerland	VLE (ppm)	4 ppm
USA - ACGIH	ACGIH TWA (ppm)	3 ppm
USA - ACGIH	ACGIH STEL (ppm)	6 ppm
USA - OSHA	OSHA PEL (TWA) (mg/m³)	6 mg/m³
USA - OSHA	OSHA PEL (TWA) (ppm)	3 ppm

2-aminoethanol, ethanolamine (141-43-5)		
DNEL/DMEL (Workers)		
Long-term - systemic effects, dermal	1 mg/kg bodyweight/day	
Long-term - systemic effects, inhalation	3.3 mg/m³	
Long-term - local effects, inhalation	3.3 mg/m³	
DNEL/DMEL (General population)		
Long-term - systemic effects,oral	3.75 mg/kg bodyweight/day	
Long-term - systemic effects, dermal	0.24 mg/kg bodyweight/day	
Long-term - local effects, inhalation	2 mg/m³	
PNEC (Water)		
PNEC aqua (freshwater)	0.085 mg/l	
PNEC aqua (marine water)	0.0085 mg/l	
PNEC aqua (intermittent, freshwater)	0.025 mg/l	
PNEC (Sediment)		
PNEC sediment (freshwater)	0.425 mg/kg dwt	
PNEC sediment (marine water)	0.0425 mg/kg dwt	
PNEC (Soil)		
PNEC soil	0.035 mg/kg dwt	
PNEC (STP)		
PNEC sewage treatment plant	100 mq/l	

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8.2. Exposure controls

Hand protection	: Wear protective gloves. Butyl or Nitrile-rubber protective gloves
Eye protection	: Chemical goggles or face shield
Skin and body protection	: Wear suitable protective clothing
Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment. If the ventilation is suitable, it is not essential to wear respiratory equipment
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Yellow.
Odour	: odourless.
Odour threshold	: No data available
pH	: 13.4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: > 100 °C
Flash point	: Not applicable
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Non flammable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.04 g/cm ³ (20°C)
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Not explosive.
Oxidising properties	: Non oxidizing.
Explosive limits	: No data available

9.2. Other information

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

No dangerous reactions known under normal conditions of use.

10.2. Chemical stability

Stable at ambient temperature and under normal conditions of use.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Copper and its alloys. Strong oxidizing agents.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO₂), Nitrogen oxides, Corrosive vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity	: Not classified
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2-aminoethanol, ethanolamine (141-43-5)	
LD50 oral rat	1089 mg/kg
LD50 dermal rabbit	2504 mg/kg
Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13.4
Serious eye damage/irritation	: Serious eye damage, category 1, implicit pH: 13.4
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: May cause respiratory irritation.
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

2-aminoethanol, ethanolamine (141-43-5)	
LC50 fish 1	349 mg/l (cyprinus carpio)
LC50 fish 2	170 mg/l (carassius auratus)
EC50 Daphnia 1	65 mg/l (daphnia magna)
EC50 72h algae (1)	2.5 mg/l (selenastrum capricornutum)
EC50 72h algae (2)	22 mg/l (scenedesmus subspicatus)
NOEC chronic crustacea	0.85 mg/l (Daphnia magna)
NOEC (additional information)	21 days

12.2. Persistence and degradability

2-aminoethanol, ethanolamine (141-43-5)	
Persistence and degradability	Readily biodegradable.

12.3. Bioaccumulative potential

2-aminoethanol, ethanolamine (141-43-5)	
Log Pow	-1.91
Bioaccumulative potential	Not potentially bioaccumulable.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Component	
2-aminoethanol, ethanolamine (141-43-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Regional legislation (waste)	: The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal.
Waste treatment methods	: Do not allow product to spread into the environment. Conform to current legislation, regulations and orders. Neutralize prior to disposal (pH between 5.5 and 8.5). Empty the packaging completely prior to disposal. Dispose of at a licensed waste collection centre.
Waste disposal recommendations	: Comply with applicable regulations for solid waste disposal. Do not discharge into drains or rivers.




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SECTION 14: Transport information

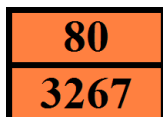
In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA
14.1. UN number		
3267	3267	3267
14.2. UN proper shipping name		
CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol, ethanolamine)	CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol, ethanolamine)	Corrosive liquid, basic, organic, n.o.s. (2-aminoethanol, ethanolamine)
Transport document description		
UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol, ethanolamine), 8, III, (E)	UN 3267 CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (2-aminoethanol, ethanolamine), 8, III	UN 3267 Corrosive liquid, basic, organic, n.o.s. (2-aminoethanol, ethanolamine), 8, III
14.3. Transport hazard class(es)		
8	8	8
		
14.4. Packing group		
III	III	III
14.5. Environmental hazards		
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No
No supplementary information available		

14.6. Special precautions for user

- Overland transport

Classification code (ADR) : C7
Special provisions (ADR) : 274
Limited quantities (ADR) : 5I
Tank code (ADR) : L4BN
Transport category (ADR) : 3
Hazard identification number (Kemler No.) : 80
Orange plates :



Tunnel restriction code (ADR) : E
EAC code : 2X
APP code : B

- Transport by sea

Special provisions (IMDG) : 223, 274
Limited quantities (IMDG) : 5 L
EmS-No. (Fire) : F-A
EmS-No. (Spillage) : S-B
Segregation (IMDG) : SG35

- Air transport

PCA Limited quantities (IATA) : Y841
PCA limited quantity max net quantity (IATA) : 1L
PCA packing instructions (IATA) : 852
PCA max net quantity (IATA) : 5L
CAO packing instructions (IATA) : 856
CAO max net quantity (IATA) : 60L
Special provisions (IATA) : A3

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

15.1.2. National regulations

France

Occupational diseases : RG 49 - Affections cutanées provoquées par les amines aliphatiques, alicycliques ou les éthanolamines
RG 49 BIS - Affections respiratoires provoquées par les amines aliphatiques, les éthanolamines ou l'isophoronediamine

Germany

VwVwS Annex reference : Water hazard class (WGK) 1, low hazard to waters (Classification according to VwVwS, Annex 4)

12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed

SZW-lijst van mutagene stoffen : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed

NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Indication of changes:

All chapters have been modified since the previous version.

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H302	Harmful if swallowed
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H318	Causes serious eye damage
H332	Harmful if inhaled
H335	May cause respiratory irritation
H412	Harmful to aquatic life with long lasting effects

SDS EU (REACH Annex II)

6/14/2016

EN (English)

SDS Ref.: 050320200

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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product