

according to UK REACH Regulation

# 187 System agent for winter use MP18700K05AB

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Product code: 1102363

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

## 1.1. Product identifier

187 System agent for winter use MP18700K05AB

UFI:

68X4-M0TN-W00T-KG1Y

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

Use of the substance/mixture

Additiv

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

#### Manufacturer

	manalaotaloi		
	Company name:	TUNAP GmbH & Co. KG	
	Street:	Bürgermeister-Seidl-Str. 2	
	Place:	D-82515 Wolfratshausen	
	Telephone:	+ 49 (0) 8171/1600 - 0	Telefax: + 49 (0) 8171/1600 - 40
	E-mail:	sdb@tunap.com	
	Internet:	www.tunap.com	
	Supplier		
	Company name:	TUNAP (UK) Limited	
	Street:	Unit 12 Tonbridge Trade Park, Ingot Way	
	Place:	GB Tonbridge, Kent. TN9 1GN	
	Telephone:	+44 (0)1732 365163	
	E-mail:	sdb@tunap.com	
	Internet:	www.tunap.co.uk	
1.	4. Emergency telephone	111 NHS (National Health Service)	

#### number:

# **SECTION 2: Hazards identification**

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

#### **GB CLP Regulation**

Acute Tox. 4; H302 Acute Tox. 4; H332 Asp. Tox. 1; H304 Aquatic Chronic 2; H411

Full text of hazard statements: see SECTION 16.

### 2.2. Label elements

### GB CLP Regulation

### Hazard components for labelling

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics 2-Ethylhexyl nitrate

Hydrocarbons, C10, aromatics, >1% naphthalene nal word: Danger

Signal word: Pictograms:



Hazard statements H302+H332

Harmful if swallowed or if inhaled.



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H304	May be fatal if swallowed and enters airways.	
H411	Toxic to aquatic life with long lasting effects.	
Precautionary statemer	nts	
P260	Do not breathe vapours.	
P280	Wear protective gloves.	
P273	Avoid release to the environment.	
P302+P352	IF ON SKIN: Wash with plenty of water.	
P301+P310	IF SWALLOWED: Immediately call a POISON CENTER/doctor.	
P331	Do NOT induce vomiting.	
P304+P312	IF INHALED: Call a POISON CENTER or doctor/physician if you feel unwell.	

Special labelling of certain mixtures

EUH066 Repeated exposure may cause skin dryness or cracking.

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

# 3.2. Mixtures

## **Relevant ingredients**

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (GB CLP Regulation)				
64742-48-9	Hydrocarbons, C10-C13, n-alkanes	s, isoalkanes, cyclics, <2% aromatics		50 - < 100 %	
	918-481-9		01-2119457273-39		
	Asp. Tox. 1; H304 EUH066		•		
27247-96-7	2-Ethylhexyl nitrate		25 - < 50 %		
	248-363-6		01-2119539586-27		
	Acute Tox. 4, Acute Tox. 4, Acute T EUH066	2 H302 H411 EUH044			
	Hydrocarbons, C10, aromatics, >10		1 - < 3 %		
	919-284-0		01-2119463588-24		
	STOT SE 3, Asp. Tox. 1, Aquatic C	hronic 2; H336 H304 H411 EUH066	•		
91-20-3	naphthalene		0.1 - < 1 %		
	202-049-5	601-052-00-2			
	Carc. 2, Acute Tox. 4, Aquatic Acut	1400 H410			

Full text of H and EUH statements: see section 16.

### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity	
	Specific Conc. I	Limits, M-factors and ATE		
64742-48-9	918-481-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics	50 - < 100 %	
	inhalation: LC5 mg/kg	0 = 4951 mg/l (vapours); dermal: LD50 = >3160 mg/kg; oral: LD50 = >8000		
27247-96-7	248-363-6	2-Ethylhexyl nitrate	25 - < 50 %	
		0 = 11 mg/l (vapours); inhalation: ATE = 1,5 mg/l (dusts or mists); dermal: LD50 oral: LD50 = >9640 mg/kg		
	919-284-0	Hydrocarbons, C10, aromatics, >1% naphthalene	1 - < 3 %	
	inhalation: LC50 = >4778 mg/l (vapours); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 10650 mg/kg			
91-20-3	202-049-5	naphthalene	0.1 - < 1 %	
	dermal: LD50 =	= 16000 mg/kg; oral: LD50 = 490 mg/kg		



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### **SECTION 4: First aid measures**

## 4.1. Description of first aid measures

### **General information**

First aider: Pay attention to self-protection! Remove persons to safety. Never give anything by mouth to an unconscious person or a person with cramps.

#### After inhalation

Remove person to fresh air and keep comfortable for breathing. In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with skin

Wash with plenty of water and soap. Take off immediately all contaminated clothing and wash it before reuse. In all cases of doubt, or when symptoms persist, seek medical advice.

#### After contact with eyes

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. In case of troubles or persistent symptoms, consult an ophthalmologist.

### After ingestion

Do NOT induce vomiting. Observe risk of aspiration if vomiting occurs. Call a physician in any case!

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

Headache, nausea, dizziness, fatigue, skin irritation

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

Treat symptomatically. Call a POISON CENTER. Symptoms can occur only after several hours.

# **SECTION 5: Firefighting measures**

#### 5.1. Extinguishing media

#### Suitable extinguishing media

Water fog. Foam. Carbon dioxide (CO2). Extinguishing powder.

#### Unsuitable extinguishing media

High power water jet.

## 5.2. Special hazards arising from the substance or mixture

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO2, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

#### 5.3. Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Move undamaged containers from immediate hazard area if it can be done safely. In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

#### **SECTION 6: Accidental release measures**

#### 6.1. Personal precautions, protective equipment and emergency procedures

#### General advice

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Remove all sources of ignition. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protection equipment.

#### For non-emergency personnel

First aider: Pay attention to self-protection!

#### For emergency responders

Fight fire with normal precautions from a reasonable distance.



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## 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). Ensure all waste water is collected and treated via a waste water treatment plant.

## 6.3. Methods and material for containment and cleaning up

## For containment

Prevent spread over a wide area (e.g. by containment or oil barriers).

### For cleaning up

Clean contaminated articles and floor according to the environmental legislation.

#### Other information

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Clean contaminated articles and floor according to the environmental legislation.

#### 6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

### **SECTION 7: Handling and storage**

### 7.1. Precautions for safe handling

#### Advice on safe handling

Observe instructions for use.

Dust must be exhausted directly at the point of origin. Vapours/aerosols must be exhausted directly at the point of origin. If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means.

When using do not eat, drink, smoke, sniff.

Wear personal protection equipment (refer to section 8).

## Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

## Advice on general occupational hygiene

Avoid exposure. Wear suitable protective clothing. Draw up and observe skin protection programme.

#### Further information on handling

Avoid contact with skin and eyes.

#### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep container tightly closed. Observe legal regulations and provisions.

#### Hints on joint storage

Do not store together with: Oxidizing agents. Pyrophoric or self-heating substances. Food and feedingstuffs.

#### Further information on storage conditions

Store in a cool dry place. Observe legal regulations and provisions.

## 7.3. Specific end use(s)

No information available.

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

#### 8.1. Control parameters

#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
91-20-3	Naphthalene	10	50		TWA (8 h)	EU



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## **DNEL/DMEL** values

CAS No	Substance			
DNEL type		Exposure route	Effect	Value
27247-96-7	2-Ethylhexyl nitrate			
Worker DNEL,	long-term	inhalation	systemic	0,35 mg/m³
Worker DNEL,	long-term	dermal	systemic	1 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	0,52 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	0,025 mg/kg bw/day
	Hydrocarbons, C10, aromatics, >1% naphthalene			
Worker DNEL,	long-term	inhalation	systemic	151 mg/m³
Worker DNEL,	long-term	dermal	systemic	12,5 mg/kg bw/day
Consumer DN	EL, long-term	inhalation	systemic	32 mg/m <sup>3</sup>
Consumer DN	EL, long-term	dermal	systemic	7,5 mg/kg bw/day
Consumer DN	EL, long-term	oral	systemic	7,5 mg/kg bw/day

# **PNEC** values

CAS No	Substance	
Environmenta	Environmental compartment	
27247-96-7		
Freshwater		0,0008 mg/l
Marine water		0,00008 mg/l
Freshwater sediment		0,00074 mg/kg
Marine sediment		0,00074 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil	Soil	

# Additional advice on limit values

a no restriction

b End of exposure or end of shift

c at long-term exposure:

d before next shift

blood (B)

Urine (U)

# 8.2. Exposure controls

#### Appropriate engineering controls

If handled uncovered, arrangements with local exhaust ventilation have to be used.

# Individual protection measures, such as personal protective equipment

# Eye/face protection

Suitable eye protection: Tightly sealed safety glasses.

# EN 166 Hand protection

Protect skin by using skin protective cream. When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.



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Suitable material: NBR (Nitrile rubber) Breakthrough time: 480min Thickness of the glove material 0,45 mm EN ISO 374

### Skin protection

Wear suitable protective clothing. Take off immediately all contaminated clothing and wash it before reuse.

# **Respiratory protection**

Wear breathing apparatus if exposed to vapours/dusts/aerosols. When exceeding the relevant workplace exposure limits, note the following: Suitable respiratory protective equipment: Combination filter device (DIN EN 141).. Filtering device with filter or ventilator filtering device of type: A Observe the wear time limits as specified by the manufacturer. Observe legal regulations and provisions.

### **Environmental exposure controls**

Observe legal regulations and provisions.

# **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

Physical state:	Liquid	
Colour:	slightly yellow	
Odour:	solvent like	
		Test method
Melting point/freezing point:	not determined	
Boiling point or initial boiling point and	100 °C	
boiling range:		
Flammability:	not applicable	
	not applicable	
Lower explosion limits:	0,5 vol. %	
Upper explosion limits:	7 vol. %	
Flash point:	62 °C	ISO 3679
Decomposition temperature:	not determined	
pH-Value (at 20 °C):		DIN 19268
Viscosity / kinematic:	< 20,5 mm²/s	DIN EN ISO 3104
(at 40 °C)		
Water solubility:	The study does not need to be conducted	
	because the substance is known to be	
	insoluble in water.	
Solubility in other solvents		
not determined		
Partition coefficient n-octanol/water:	not determined	
Vapour pressure:	not determined	
Density (at 20 °C):	0,845 g/cm <sup>3</sup>	DIN 51757
Relative vapour density:	not determined	
9.2. Other information		
Information with regard to physical haz	zard classes	
Self-ignition temperature		
Solid:	not applicable	
Gas:	not applicable	
Oxidizing properties		
Not oxidising.		
Other safety characteristics		
Evaporation rate:	not determined	



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 Solid content:
 not determined

Solid content:	not determined
Viscosity / dynamic:	DIN 53019-1
Flow time:	DIN EN ISO 2431
(at 20 °C)	

#### **SECTION 10: Stability and reactivity**

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under normal conditions.

# 10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

### 10.4. Conditions to avoid

Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Take precautionary measures against static discharges.

## 10.5. Incompatible materials

Oxidizing agents. Pyrophoric or self-heating substances.

### 10.6. Hazardous decomposition products

Incomplete combustion and thermolysis gases of different toxicity can occur. In the case of hydrocarbonaceous products such as CO, CO2, aldehydes and soot. These can be very dangerous if they are inhaled in high concentrations or in enclosed spaces.

#### **Further information**

Do not mix with other chemicals.

## **SECTION 11: Toxicological information**

#### 11.1. Information on hazard classes as defined in GB CLP Regulation

# Toxicocinetics, metabolism and distribution

There are no data available on the mixture itself.

### Acute toxicity

Harmful if swallowed. Harmful if inhaled.



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CAS No	Chemical name								
	Exposure route	Dose		Species	Source	Method			
64742-48-9	Hydrocarbons, C10-C13	, n-alkanes, is	oalkanes, c	yclics, <2% aromatics					
	oral	LD50 mg/kg	>8000	Rat					
	dermal	LD50 mg/kg	>3160	Rabbit					
	inhalation (4 h) vapour	LC50	4951 mg/l	Rat					
27247-96-7	2-Ethylhexyl nitrate								
	oral	LD50 mg/kg	>9640	Rat					
	dermal	LD50 mg/kg	>4820	Rabbit					
	inhalation (4 h) vapour	LC50	11 mg/l	Rat					
	inhalation dust/mist	ATE	1,5 mg/l						
	Hydrocarbons, C10, aromatics, >1% naphthalene								
	oral	LD50 mg/kg	10650	Rat	Study report (1991)	OECD Guideline 420			
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1995)	OECD Guideline 402			
	inhalation (4 h) vapour	LC50 mg/l	>4778	Rat					
91-20-3	naphthalene								
	oral	LD50 mg/kg	490	Rat					
	dermal	LD50 mg/kg	16000	Rat					

## Irritation and corrosivity

Skin corrosion/irritation: Based on available data, the classification criteria are not met. Serious eye damage/eye irritation: Based on available data, the classification criteria are not met. Repeated exposure may cause skin dryness or cracking.

#### Sensitising effects

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

#### Carcinogenic/mutagenic/toxic effects 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.

No indications of human carcinogenicity exist.

No indications of human germ cell mutagenicity exist.

No indications of human reproductive toxicity exist.

## 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

May be fatal if swallowed and enters airways.

# Information on likely routes of exposure

Ingestion, Inhalation, Skin contact, Eye contact.

Reference to other sections: 2.1, 4.2.



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## Specific effects in experiment on an animal

No information available.

# 11.2. Information on other hazards

# Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

## Other information

No information available.

## **SECTION 12: Ecological information**

### 12.1. Toxicity

The product is not: Ecotoxic.

CAS No	Chemical name									
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method			
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% aromatics									
	Acute fish toxicity	LC50 mg/l	>1000	96 h	Oncorhynchus mykiss (Rainbow trout)					
	Acute algae toxicity	ErC50 mg/l	>1000	96 h	Scenedesmus subspicatus					
	Acute crustacea toxicity	EC50 mg/l	>1000	48 h	Daphnia magna					
27247-96-7	2-Ethylhexyl nitrate									
	Acute fish toxicity	LC50	2 mg/l	96 h	Danio rerio	Study report (2010)	OECD Guideline 203			
	Acute algae toxicity	ErC50 mg/l	> 12,6	72 h	Pseudokirchneriella subcapitata	Study report (1998)	OECD Guideline 201			
	Acute crustacea toxicity	EC50 mg/l	> 12,6	48 h	Daphnia magna	Study report (1998)	OECD Guideline 202			
	Acute bacteria toxicity	EC50 mg/l()	> 1000	3 h	activated sludge of a predominantly domestic sewag	Study report (2010)	OECD Guideline 209			
	Hydrocarbons, C10, aromatics, >1% naphthalene									
	Acute fish toxicity	LC50	>1 mg/l	96 h	Pimephales promelas (fathead minnow)					
	Acute algae toxicity	ErC50 mg/l	> 1 - < 3	72 h	Pseudokirchneriella subcapitata	Study report (1993)	OECD Guideline 201			
	Acute crustacea toxicity	EC50	1,4 mg/l	48 h	Daphnia magna					
	Fish toxicity	NOEC mg/l	0,487	28 d	Oncorhynchus mykiss	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a			
	Crustacea toxicity	NOEC mg/l	0,851	21 d	Daphnia magna	CONCAWE, Brussels, Belgium (2010)	The aquatic toxicity was estimated by a			
91-20-3	naphthalene									
	Acute fish toxicity	LC50 mg/l	0,213	96 h	Oncorhynchus mykiss (Rainbow trout)					
	Acute crustacea toxicity	EC50	1,6 mg/l	48 h	Daphnia magna					

## 12.2. Persistence and degradability

The product has not been tested.



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CAS No	Chemical name							
	Method Value d Source							
	Evaluation							
64742-48-9	Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, <2% a	romatics						
	OECD Guideline 301 F 89,8 28 ECHA							
	Readily biodegradable (according to OECD criteria).	Readily biodegradable (according to OECD criteria).						

#### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
27247-96-7	2-Ethylhexyl nitrate	5,24
91-20-3	naphthalene	3,35

## 12.4. Mobility in soil

The product has not been tested.

#### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

# The product has not been tested.

#### 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

# 12.7. Other adverse effects

No information available.

#### Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## **SECTION 13: Disposal considerations**

## 13.1. Waste treatment methods

### **Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

# List of Wastes Code - residues/unused products

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

### List of Wastes Code - used product

070704 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fine chemicals and chemical products not otherwise specified; other organic solvents, washing liquids and mother liquors; hazardous waste

#### List of Wastes Code - contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by hazardous substances; hazardous waste

#### Contaminated packaging

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

#### **SECTION 14: Transport information**



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		r ago rr or ro	
Land transport (ADR/RID)			
14.1. UN number or ID number:	UN 3082		
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
	(2-ethylhexyl nitrate)		
14.3. Transport hazard class(es):	9		
14.4. Packing group:	III		
Hazard label:	9		
Classification code:	M6		
Special Provisions:	274 335 375 601		
Excepted quantity:	E1		
Transport category:	3		
Hazard No:	90		
Tunnel restriction code:	- 		
Other applicable information (land trans Limited quantity (LQ): 5 L	роп)		
Inland waterways transport (ADN)			
14.1. UN number or ID number:	UN 3082		
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
	(2-ethylhexyl nitrate)		
14.3. Transport hazard class(es):	9		
14.4. Packing group:	III		
Hazard label:	9		
Classification code:	M6		
Special Provisions:	274 335 375 601		
Excepted quantity:	E1		
Other applicable information (inland wat Limited quantity (LQ): 5 L	erways transport)		
Marine transport (IMDG)			
14.1. UN number or ID number:	UN 3082		
14.2. UN proper shipping name:	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.		
	(2-ethylhexyl nitrate)		
<u>14.3. Transport hazard class(es):</u>	9		
14.4. Packing group:	III		
Hazard label:	9		
Marine pollutant:	yes		
Special Provisions:	274, 335, 969		
Excepted quantity:	E1		
EmS:	F-A, S-F		
Other applicable information (marine tra Limited quantity (LQ): 5 L	insport)		
Air transport (ICAO-TI/IATA-DGR)			
14.1. UN number or ID number:	UN 3082		
<u>14.2. UN proper shipping name:</u>	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (2-ethylhexyl nitrate)		
<u>14.3. Transport hazard class(es):</u>	9		
14.4. Packing group:	III		
Hazard label:	9		
Special Provisions:	A97 A158 A197		
Limited quantity Passenger:	30 kg G		
Passenger LQ:	Y964		
Excepted quantity:	E1		
IATA-packing instructions - Passenger:	964		
IATA-max. quantity - Passenger:	450 L		
IATA pocking instructions Corgo:	064		

IATA-packing instructions - Cargo:

964



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IATA-max. quantity - Cargo:	450 L			
14.5. Environmental hazards				
ENVIRONMENTALLY HAZARDOUS:	Yes			
Danger releasing substance:	2-ethylhexyl nitrate			
14.6. Special precautions for user No information available.				
14.7. Maritime transport in bulk according to	IMO instruments			
not applicable				
SECTION 15: Regulatory information				
15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture				
EU regulatory information				
Restrictions on use (REACH, annex XVII):				
Entry 3, Entry 28, Entry 75				
Directive 2010/75/EU on industrial emissions:	No information available.			
Directive 2004/42/EC on VOC in paints and varnishes:	No information available.			
Additional information				
Safety Data Sheet according to Regula	tion (EC) No. 1907/2006 (REACH)			
National regulatory information				
Water hazard class (D):	2 - obviously hazardous to water			
SECTION 16: Other information				
Changes				
This data sheet contains changes from the previous version in section(s): 1,2,6,9,11,14,15. Abbreviations and acronyms				

#### bbreviations and acronyms

Acute Tox: Acute toxicity Asp. Tox: Aspiration hazard Carc: Carcinogenicity STOT SE: Specific target organ toxicity - single exposure Aquatic Acute: Acute aquatic hazard Aquatic Chronic: Chronic aquatic hazard 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 Harmonized 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 LC50: Lethal concentration, 50% LD50: Lethal dose, 50%



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# 187 System agent for winter use MP18700K05AB

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Product code: 1102363

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## Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Acute Tox. 4; H302	Calculation method
Acute Tox. 4; H332	Calculation method
Asp. Tox. 1; H304	Calculation method
Aquatic Chronic 2; H411	Calculation method

#### Relevant H and EUH statements (number and full text)

H302	Harmful if swallowed.	
H302+H332	Harmful if swallowed or if inhaled.	
H304	May be fatal if swallowed and enters airways.	
H312	Harmful in contact with skin.	
H332	Harmful if inhaled.	
H336	May cause drowsiness or dizziness.	
H351	Suspected of causing cancer.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
EUH044	Risk of explosion if heated under confinement.	
EUH066	Repeated exposure may cause skin dryness or cracking.	

#### Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

(The data for the relevant ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)