

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

## ADDINOL Penta-Cool WM 910

Revision date: 02.08.2024

Product code: 770101

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

#### 1.1. Product identifier

ADDINOL Penta-Cool WM 910

UFI: 6MSS-76TY-C20D-MEHU

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

##### Use of the substance/mixture

Metal working fluids.

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

##### Manufacturer

Company name: ADDINOL Lube Oil GmbH  
Gebäude 4609  
Street: Am Haupttor  
Place: D-06237 Leuna  
Telephone: +49 (0) 3461 845-0  
Telefax: +49 (0) 3461 845-555  
E-mail: info@addinol.de  
Contact person: Application Technology  
Internet: www.addinol.de  
Responsible Department: ADDINOL Application Technology

##### Supplier

Company name: GEM OILS LIMITED  
Place: IRL-H12K298 Regaskin Co. Cavan  
Telephone: +353 49 4378116  
Telefax: +353 49 4368329  
E-mail: sales@gemoils.ie  
Contact person: GEM OILS LIMITED  
Telephone: +353 49 4378116  
E-mail: sales@gemoils.ie  
Internet: https://gemoils.ie/

#### 1.4. Emergency telephone number:

Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

### SECTION 2: Hazards identification

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

##### Regulation (EC) No 1272/2008

Skin Irrit. 2; H315  
Eye Irrit. 2; H319  
Aquatic Chronic 3; H412

Full text of hazard statements: see SECTION 16.

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

#### 2.2. Label elements

##### Regulation (EC) No 1272/2008

Signal word: Warning

Pictograms:



##### Hazard statements

H315 Causes skin irritation.

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H319 Causes serious eye irritation.  
H412 Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P264 Wash hands thoroughly after handling.  
P273 Avoid release to the environment.  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P332+P313 If skin irritation occurs: Get medical advice/attention.  
P337+P313 If eye irritation persists: Get medical advice/attention.  
P501 Dispose of contents/container to industrial incineration plant.

#### Special labelling of certain mixtures

EUH208 Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

#### Additional advice on labelling

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

#### 2.3. Other hazards

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
Spilled product must not leak into the ground.  
Do not allow uncontrolled leakage of product into the environment.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Relevant ingredients

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification (Regulation (EC) No 1272/2008)			
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether			2.5 - < 5 %
	203-961-6	603-096-00-8		
	Eye Irrit. 2; H319			
101-83-7	dicyclohexylamine			1 - < 2.5 %
	202-980-7	612-066-00-3		
	Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1, Aquatic Chronic 1; H302 H314 H400 H410			
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate			0.1 - < 0.3 %
	259-627-5	616-212-00-7		
	Acute Tox. 3, Acute Tox. 4, Eye Dam. 1, Skin Sens. 1, STOT RE 1, Aquatic Acute 1, Aquatic Chronic 1; H331 H302 H318 H317 H372 H400 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. Limits, M-factors and ATE		
112-34-5	203-961-6	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	2.5 - < 5 %
	dermal: LD50 = 4120 mg/kg; oral: LD50 = 5660 mg/kg		
101-83-7	202-980-7	dicyclohexylamine	1 - < 2.5 %
	dermal: LD50 = 200 - 316 mg/kg; oral: LD50 = 200 mg/kg		
55406-53-6	259-627-5	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	0.1 - < 0.3 %
	inhalation: ATE = 3 mg/l (vapours); inhalation: LC50 = > 6,89 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = 1795 mg/kg Aquatic Acute 1; H400: M=10 Aquatic Chronic 1; H410: M=1		

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### Further Information

DMSO-Extract < 3 %; IP 346. Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### General information

Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

#### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. Protect skin by using skin protective cream. In case of skin irritation, seek medical treatment.

#### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

#### After ingestion

Do NOT induce vomiting.  
Rinse mouth thoroughly with water. Call a physician immediately.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

Foam. Extinguishing powder. Atomized water. Carbon dioxide (CO<sub>2</sub>).

#### Unsuitable extinguishing media

High power water jet.

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

In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Nitrogen oxides (NO<sub>x</sub>). Phosphorus oxides. carbon black.

### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

#### Additional information

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray jet to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

## SECTION 6: Accidental release measures

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

#### General advice

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities. Prevent spread over a wide area (e.g. by containment or oil barriers).

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**6.3. Methods and material for containment and cleaning up****Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. 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

Section 12: Ecological Information (non-mandatory)

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eyes and clothes.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

**Advice on general occupational hygiene**

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place. Keep/Store only in original container.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agent.

**Further information on storage conditions**

Protect against: UV-radiation/sunlight, frost, heat.

Recommended storage temperature: 5 - 40°C

**7.3. Specific end use(s)**

Further information: see technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
112-34-5	2-(2-Butoxyethoxy)ethanol	10	67.5		TWA (8 h)	
		15	101.2		STEL (15 min)	
102-71-6	Triethanolamine	-	5		TWA (8 h)	

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#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
101-83-7	dicyclohexylamine			
Worker DNEL, long-term		inhalation	systemic	0,353 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	0,1 mg/kg bw/day
102-71-6	2,2',2''-Nitrilotriethanol			
Worker DNEL, long-term		inhalation	local	1 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	7,5 mg/kg bw/day
Consumer DNEL, long-term		inhalation	local	0,4 mg/m <sup>3</sup>
Consumer DNEL, long-term		dermal	systemic	2,66 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	3,3 mg/kg bw/day

#### PNEC values

CAS No	Substance	Environmental compartment	Value
101-83-7	dicyclohexylamine		
Freshwater			0,002 mg/l
Freshwater (intermittent releases)			0,01 mg/l
Marine water			0 mg/l
Freshwater sediment			0,075 mg/kg
Marine sediment			0,007 mg/kg
Micro-organisms in sewage treatment plants (STP)			21 mg/l
Soil			0,014 mg/kg
102-71-6	2,2',2''-Nitrilotriethanol		
Freshwater			0,32 mg/l
Freshwater (intermittent releases)			5,12 mg/l
Marine water			0,032 mg/l
Freshwater sediment			1,7 mg/kg
Marine sediment			0,17 mg/kg
Micro-organisms in sewage treatment plants (STP)			10 mg/l
Soil			0,151 mg/kg

#### Additional advice on limit values

source:

Recommended limit value for cooling lubricants (steam and aerosol)

MAK: 10 mg/m<sup>3</sup>

#### 8.2. Exposure controls



#### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

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**Individual protection measures, such as personal protective equipment****Eye/face protection**

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): EN 166

**Hand protection**

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): EN ISO 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

**Skin protection**

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

**Respiratory protection**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. full mask (DIN EN 136). Cosaint riospráide le scagaire i gcoinne gás orgánach agus gaile cineál A - fiuchphointe > 65 ° C: A1: <1000 ppm; A2: <5000 ppm; A3: <10,000 ppm.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	liquid
Colour:	yellow - light brown
Odour:	like: mineral oil.
Odour threshold:	not determined

	Test method
Melting point/freezing point:	No data available
Boiling point or initial boiling point and boiling range:	> 100 °C
Flammability:	No data available
Lower explosion limits:	not determined
Upper explosion limits:	not determined
Flash point:	100 °C DIN EN ISO 2592
Auto-ignition temperature:	No data available DIN 51794
Decomposition temperature:	No data available
pH-Value (at 20 °C):	9,9 5% - DIN 51369
Viscosity / kinematic: (at 20 °C)	220 mm <sup>2</sup> /s DIN EN ISO 3104
Water solubility:	highly soluble.
Solubility in other solvents	
No data available	
Partition coefficient n-octanol/water:	No data available
Vapour pressure:	No data available
Density (at 15 °C):	0,952 g/cm <sup>3</sup> DIN EN ISO 12185
Relative vapour density:	No data available
Particle characteristics:	No data available

**9.2. Other information**

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**Information with regard to physical hazard classes**

Explosive properties

No data available

Self-ignition temperature

Solid:

No data available

Gas:

No data available

Oxidizing properties

No data available

**Other safety characteristics**

Evaporation rate:

No data available

Pour point:

-5 °C ISO 3016

**SECTION 10: Stability and reactivity****10.1. Reactivity**

The product is stable under storage at normal ambient temperatures.

**10.2. Chemical stability**

The mixture is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

**10.5. Incompatible materials**

Reacts with : Oxidising agent, strong.

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>). Carbon monoxide Nitrogen oxides (NO<sub>x</sub>). Phosphorus oxides. carbon black.

No known hazardous decomposition products.

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity**

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

**ATEmix calculated**

ATE (oral) 27778 mg/kg; ATE (dermal) &gt; 2000 mg/kg; ATE (inhalation vapour) 1250 mg/l; ATE (inhalation dust/mist) 208,3 mg/l

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CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether				
	oral	LD50 mg/kg	5660	Rat	
	dermal	LD50 mg/kg	4120	Rabbit	
101-83-7	dicyclohexylamine				
	oral	LD50 mg/kg	200	Rat	Other company data (1978)
	dermal	LD50 mg/kg	200 - 316	Rabbit	Other company data (1977)
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate				
	oral	LD50 mg/kg	1795	Rat	Study report (1984)
	dermal	LD50 mg/kg	> 2000	Rabbit	Study report (1991)
	inhalation vapour	ATE	3 mg/l		
	inhalation (4 h) dust/mist	LC50 mg/l	> 6,89	Rat	Study report (1985)

#### Irritation and corrosivity

Skin corrosion/irritation: Causes skin irritation.

Serious eye damage/eye irritation: Causes serious eye irritation.

#### Sensitising effects

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

Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

#### 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.

#### 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.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

#### Aspiration hazard

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

### 11.2. Information on other hazards

#### Endocrine disrupting properties

not applicable

## SECTION 12: Ecological information

### 12.1. Toxicity

Harmful to aquatic life with long lasting effects.



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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether					
	Acute algae toxicity	ErC50 mg/l	> 100		Scenedesmus sp.	
	Acute crustacea toxicity	EC50 mg/l	> 100	48 h	Daphnia magna	
101-83-7	dicyclohexylamine					
	Acute fish toxicity	LC50	62 mg/l	96 h	Danio rerio	Study report (1992) EU Method C.1
	Acute algae toxicity	ErC50	> 1 mg/l	72 h	Desmodesmus subspicatus	Other company data (1992) EU Method C.3
	Acute crustacea toxicity	EC50	8 mg/l	48 h	Daphnia magna	Study report (1999) OECD Guideline 202
	Crustacea toxicity	NOEC mg/l	0,016	21 d	Daphnia magna	Study report (1999) other: OECD Guideline 202, part 2 "Daphn
	Acute bacteria toxicity	EC50 ( )	712 mg/l	3 h	Activated sludge	Study report (1990) ISO 8192
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate					
	Acute algae toxicity	ErC50 mg/l	0,022	72 h	Desmodesmus subspicatus	REACH Registration Dossier OECD Guideline 201
	Fish toxicity	NOEC mg/l	0,0084	35 d	Pimephales promelas	REACH Registration Dossier EPA OPP 72-4
	Crustacea toxicity	NOEC mg/l	0,0499	21 d	Daphnia magna	REACH Registration Dossier EPA OPP 72-4
	Acute bacteria toxicity	EC50 ( )	44 mg/l ( )	3 h	activated sludge, domestic	REACH Registration Dossier EU Method C.11

**12.2. Persistence and degradability**

Part of the components is biodegradable.

**12.3. Bioaccumulative potential**

No data available

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
112-34-5	2-(2-butoxyethoxy)ethanol; diethylene glycol monobutyl ether	0,56 (25°C)
101-83-7	dicyclohexylamine	2,724
55406-53-6	3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate	2,81

**BCF**

CAS No	Chemical name	BCF	Species	Source
101-83-7	dicyclohexylamine	459		BCFWIN v. 2.1 (2005)

**12.4. Mobility in soil**

Is eliminable from water only with difficulty.

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

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

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#### 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 data available

#### **Further information**

Do not allow uncontrolled leakage of product into the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### **Disposal recommendations**

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

##### **List of Wastes Code - residues/unused products**

120107 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; mineral-based machining oils free of halogens (except emulsions and solutions); hazardous waste

##### **List of Wastes Code - used product**

120109 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; machining emulsions and solutions free of halogens; hazardous waste

##### **Contaminated packaging**

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be thrown away.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

14.1. UN number or ID number: -  
14.2. UN proper shipping name: -  
14.3. Transport hazard class(es): -  
14.4. Packing group: -

#### Inland waterways transport (ADN)

14.1. UN number or ID number: -  
14.2. UN proper shipping name: -  
14.3. Transport hazard class(es): -  
14.4. Packing group: -

#### Marine transport (IMDG)

14.1. UN number or ID number: -  
14.2. UN proper shipping name: -  
14.3. Transport hazard class(es): -  
14.4. Packing group: -

#### Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: -  
14.2. UN proper shipping name: -  
14.3. Transport hazard class(es): -  
14.4. Packing group: -

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

#### 14.6. Special precautions for user

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Unless specified otherwise, general measures for safe transport must be followed.

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**Other applicable information**

No dangerous good in sense of these transport regulations.

**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 55

**National regulatory information**

Water hazard class (D): 2 - obviously hazardous to water

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 2,3,9,11.

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**Abbreviations and acronyms**

Acute Tox: Acute toxicity

Skin Corr: Skin corrosion

Skin Irrit: Skin irritation

Eye Dam: Eye damage

Eye Irrit: Eye irritation

Skin Sens: Skin sensitisation

STOT RE: Specific target organ toxicity - repeated exposure

Aquatic Acute: Acute aquatic hazard

Aquatic Chronic: Chronic aquatic hazard

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ASTM - American Society for the Testing of Materials; ATE - Acute Toxicity Estimates; bw - Body weight; CAO - Cargo Aircraft Only; CAS - Chemical Abstracts Service; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DNEL - Derived No-Effect Level; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); EG - European Union; EN - European standards; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISO - International Organisation for Standardization; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; MSHA - Mine Safety and Health Administration; n.o.s. - Not Otherwise Specified; NFPA - National Fire Protection Association; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; OECD - Organization for Economic Co-operation and Development; PBT - Persistent, Bioaccumulative and Toxic substance; (Q)SAR - (Quantitative) Structure Activity Relationship; RCRA - Resource Conservation and Recovery Act; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulation concerning the International Carriage of Dangerous Goods by Rail; RQ - Reportable Quantity; SADT - Self-Accelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.
EUH208	Contains 3-iodo-2-propynyl butylcarbamate; 3-iodoprop-2-yn-1-yl butylcarbamate. May produce an allergic reaction.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Penta-Cool WM 910**

Revision date: 02.08.2024

Product code: 770101

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**Further Information**

The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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