

# Indy Racing Coolant

## Safety Data Sheet

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

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

#### 1.1. Product identifier

Product form : Mixtures  
Article number : 99000  
Product code : 990

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

##### 1.2.1. Relevant identified uses

Industrial/Professional use spec : Professional use.  
Function or use category : Antifreeze/Coolant

##### 1.2.2. Uses advised against

No additional information available

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

No additional information available

#### 1.4. Emergency telephone number

Country	Official advisory body	Address	Emergency number	Comment
	Guy's & St Thomas' Poisons Unit Medical Toxicology Unit, Guy's & St Thomas' Hospital Trust	Avonley Road SE14 5ER London	0870 243 2241	
Ireland	National Poisons Information Centre Beaumont Hospital	PO Box 1297 Beaumont Road 9 Dublin	+353 1 809 2566 (Healthcare professionals-24/7) +353 1 809 2166 (public, 8am - 10pm, 7/7)	
Malta	Medicines & Poisons Info Office	Mater Dei Hospital MSD Msida	+356 2545 6504	

### SECTION 2: Hazards identification

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

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

Acute toxicity (oral), Category 4 H302  
Skin corrosion/irritation, Category 2 H315  
Serious eye damage/eye irritation, Category 2 H319  
Specific target organ toxicity — Repeated exposure, Category 2 H373

Full text of 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) :



GHS07

GHS08

Signal word (CLP) :

Warning

Hazardous ingredients :

Propylene glycol; 1,2-ethanediol; Sodium 2-ethylhexanoate

Hazard statements (CLP) :

H302 - Harmful if swallowed  
H315 - Causes skin irritation  
H319 - Causes serious eye irritation  
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary statements (CLP) :

P101 - If medical advice is needed, have product container or label at hand  
P102 - Keep out of reach of children  
P103 - Read label before use  
P260 - Do not breathe gas, mist, vapours, spray

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P270 - Do not eat, drink or smoke when using this product  
P280 - Wear eye protection, protective gloves, protective clothing, face protection  
P301+P312 - IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell  
P302+P352 - IF ON SKIN: Wash with plenty of soap and water  
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P330 - Rinse mouth  
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 in accordance with local regulations.

EUH-statements : EUH210 - Safety data sheet available on request

### 2.3. Other hazards

Other hazards. : Vapours mix easily with air. May have damaging effect on respiratory system, central nervous system and liver.

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

## SECTION 3: Composition/information on ingredients

### 3.1. Substances

Not applicable

### 3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1,2-ethanediol	(CAS No) 107-21-1 (EC no) 203-473-3 (EC index no) 603-027-00-1 (REACH-no) 01-2119456816-28	33.25 - 42.75	Acute Tox. 4 (Oral), H302 STOT SE 1, H370 STOT RE 2, H373
Sodium 2-ethylhexanoate	(CAS No) 19766-89-3 (EC no) 243-283-8 (EC index no) 01-2119979083-31	0.095 - 2.85	Acute Tox. 2 (Inhalation:dust,mist), H330 Repr. 2, H361d
morpholine	(CAS No) 110-91-8 (EC no) 203-815-1 (EC index no) 613-028-00-9	0.05 - 0.25	Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Acute Tox. 4 (Inhalation), H332 Skin Corr. 1B, H314
Propylene glycol	(CAS No) 57-55-6 (EC no) 200-338-0	0.05 - 0.25	Acute Tox. 2 (Oral), H300 Acute Tox. 1 (Dermal), H310
POTASSIUM SILICATE	(CAS No) 1312-76-1 (EC no) 215-199-1	0.005 - 0.05	Met. Corr. 1, H290 Skin Corr. 1B, H314 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 : In any case of doubt or if symptoms can be observed, get medical attention. Never give anything by mouth to an unconscious person.

First-aid measures after inhalation : Assure fresh air breathing. Allow the victim to rest. When unconsciousness transport in a recovery position. If breathing is irregular or stopped, administer artificial respiration. Seek medical advice.

First-aid measures after skin contact : Remove contaminated clothing immediately. Wash with plenty of soap and water. Seek medical attention if ill effect develops.

First-aid measures after eye contact : Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart. Remove contact lenses, if present and easy to do. Continue rinsing. Seek medical attention if irritation develops.

First-aid measures after ingestion : Do NOT induce vomiting. Rinse mouth. Drink plenty of water. Transport to hospital immediately.

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

No additional information available

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

Call a POISON CENTER or doctor/physician.

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### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Powder. Alcohol resistant foam. Carbon dioxide. Water spray.  
Unsuitable extinguishing media : Do not use a heavy water stream.

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

Hazardous decomposition products in case of fire : Carbon oxides (CO, CO<sub>2</sub>). Smoke.

#### 5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. 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 : Remove ignition sources.

##### 6.1.1. For non-emergency personnel

Emergency procedures : Evacuate unnecessary personnel. Ventilate area.

##### 6.1.2. For emergency responders

Protective equipment : Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes. Wear proper protective equipment.

#### 6.2. Environmental precautions

Clean up even minor leaks or spills, if possible, without unnecessary risk. Not in groundwater, surfacewater or sewerage. Notify authorities if liquid enters sewers or public waters.

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

For containment : Place spillage in an appropriate labeled container for disposal.  
Methods for cleaning up : Clean up any spills as soon as possible, using an absorbent material to collect it. Flush with plenty of water.

#### 6.4. Reference to other sections

See Heading 8. See Heading 13.

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Do not breathe gas, fumes, vapour or spray. Avoid contact with skin and eyes. Wear suitable protective clothing. Do not eat, drink or smoke when using this product. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure.

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

Storage conditions : Store in dry, cool, well-ventilated area. Store in original container. Keep container tightly closed.  
Incompatible products : Oxidizer. acids.  
Incompatible materials : Open flame. sparks. Direct sunlight. heat.  
Storage temperature : > -20 °C  
Heat and ignition sources : Keep away from ignition sources.  
Packaging materials : polypropylene. Polyethylene. Unsuitable packaging: Rubber, Aluminum.

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

See Section 1.2 and / or exposure scenarios.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

1,2-ethanediol (107-21-1)		
EU	Local name	Ethylene glycol
EU	IOELV TWA (mg/m <sup>3</sup> )	52 mg/m <sup>3</sup>
EU	IOELV TWA (ppm)	20 ppm
EU	IOELV STEL (mg/m <sup>3</sup> )	104 mg/m <sup>3</sup>
EU	IOELV STEL (ppm)	40 ppm
EU	Notes	Skin

#### 8.2. Exposure controls

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### Hand protection:

Wear suitable gloves tested to EN374. neoprene gloves. Recommended thickness of the material:  $\geq 0.7$  mm. Penetration time of glove material:  $\geq 480$  min. Selection of the glove material on consideration of the penetration times, permeability and degradation. Refer to manufacturer's information.

### Eye protection:

Safety glasses

### Skin and body protection:

Wear suitable protective clothing

### Respiratory protection:

High gas/vapour concentration: gas mask with filter type A

### Environmental exposure controls:

See sections 6, 7, 12 and 13.

### Other information:

Good ventilation of the workplace required.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: clear. red.
Odour	: Odourless.
Odour threshold	: No data available
pH	: ca. 8.4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: -25 °C -
Freezing point	: -35 °C
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: P4
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.045 - 1.057 kg/l
Solubility	: Soluble in water.
Log Pow	: -1.3 (Ethyleenglycol)
Viscosity, kinematic	: 2.1 - 2.7 mm <sup>2</sup> /s
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

### 9.2. Other information

VOC content : 25 - 50 %

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

With (strong) oxidizers. Acids.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known.

### 10.4. Conditions to avoid

High temperature.

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### 10.5. Incompatible materials

Oxidizer. Acids.

### 10.6. Hazardous decomposition products

Carbon oxides (CO, CO<sub>2</sub>).

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity : If swallowed: Nausea. Shortness of breath. Unconsciousness. Convulsions. Harmful if swallowed.

ATE CLP (oral)	1072.961 mg/kg bodyweight
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#### morpholine (110-91-8)

LD50 oral rat	1450 mg/kg
LD50 dermal rabbit	500 mg/kg
LC50 inhalation rat (ppm)	8000 ppm 8h

#### Propylene glycol (57-55-6)

LD50 oral rat	20 mg/kg
LD50 dermal rabbit	20.8 mg/kg

#### 1,2-ethanediol (107-21-1)

LD50 oral rat	7712 mg/kg
LD50 dermal rabbit	9530 mg/kg
LC50 inhalation rat (mg/l)	> 2.5 mg/l

#### Sodium 2-ethylhexanoate (19766-89-3)

LD50 oral rat	> 2000 mg/kg
LD50 dermal rat	> 2000 mg/kg
LC50 inhalation rat (mg/l)	0.11 mg/l

Skin corrosion/irritation : Effects of skin contact may include : redness. Pain. Eczema.  
pH: ca. 8.4

Serious eye damage/irritation : Slight eye irritant.  
pH: ca. 8.4

Respiratory or skin sensitisation : Excessive concentrations may lead to unconsciousness. Symptoms of overexposure to vapours include : Sore throat. Coughing. Nausea. Loss of co-ordination. May cause drowsiness or dizziness. No sensitisation responses were observed

Additional information : Harmful if swallowed

Germ cell mutagenicity : Not mutagenetic.

Carcinogenicity : non carcinogen.

#### 1,2-ethanediol (107-21-1)

NOAEL (chronic, oral, animal/male, 2 years)	1000 mg/kg bodyweight
NOAEL (chronic, oral, animal/female, 2 years)	1000 mg/kg bodyweight

Reproductive toxicity : Not classified

STOT-single exposure : Not classified

#### 1,2-ethanediol (107-21-1)

NOAEL (oral, rat)	200 mg/kg bodyweight
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STOT-repeated exposure : May cause damage to organs

Aspiration hazard : Not classified

#### 99000

Viscosity, kinematic	2.1 - 2.7 mm <sup>2</sup> /s
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## SECTION 12: Ecological information

### 12.1. Toxicity

#### morpholine (110-91-8)

LC50 fish 1	180 - 380 mg/l Oncorhynchus mykiss (rainbow trout)
EC50 Daphnia 1	100 mg/l
EC50 72h algae (1)	80 mg/l
EC50 72h algae (2)	> 310 mg/l (Desmodesmus subspicatus)

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<b>1,2-ethanediol (107-21-1)</b>	
LC50 fish 1	72860 mg/l
EC50 Daphnia 1	> 100 mg/l (24h)
EC50 other aquatic organisms 1	6500 - 13000 mg/l (Algen)
NOEC chronic fish	15380 mg/l
NOEC chronic algae	8590 mg/l
<b>Sodium 2-ethylhexanoate (19766-89-3)</b>	
LC50 fish 1	> 100 mg/l

### 12.2. Persistence and degradability

<b>99000</b>	
Persistence and degradability	Product is biodegradable.
<b>1,2-ethanediol (107-21-1)</b>	
Persistence and degradability	Readily biodegradable.
Biodegradation	90 % (OECD 301D method)
<b>Sodium 2-ethylhexanoate (19766-89-3)</b>	
Persistence and degradability	Readily biodegradable.

### 12.3. Bioaccumulative potential

<b>99000</b>	
Log Pow	-1.3 (Ethyleenglycol)
Bioaccumulative potential	No.
<b>1,2-ethanediol (107-21-1)</b>	
Log Kow	-1.36
Bioaccumulative potential	No.

### 12.4. Mobility in soil

<b>99000</b>	
Ecology - soil	Solubility in water.
<b>1,2-ethanediol (107-21-1)</b>	
Ecology - soil	High. Mobility in soil.
<b>Sodium 2-ethylhexanoate (19766-89-3)</b>	
Ecology - soil	Material highly soluble in water.

### 12.5. Results of PBT and vPvB assessment

<b>99000</b>	
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII	
<b>Component</b>	
1,2-ethanediol (107-21-1)	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
Sodium 2-ethylhexanoate (19766-89-3)	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

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

## SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
<b>14.1. UN number</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.2. UN proper shipping name</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.3. Transport hazard class(es)</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable

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ADR	IMDG	IATA	ADN	RID
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.4. Packing group</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
<b>14.5. Environmental hazards</b>				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
No supplementary information available				

### 14.6. Special precautions for user

#### - Overland transport

Not applicable

#### - Transport by sea

Not applicable

#### - Air transport

Not applicable

#### - Inland waterway transport

Not applicable

#### - Rail transport

Not applicable

### 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

VOC content : 25 - 50 %

#### 15.1.2. National regulations

##### Germany

VwVwS Annex reference : Water hazard class (WGK) 2, 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

##### Denmark

Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product  
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

### 15.2. Chemical safety assessment

Yes

## SECTION 16: Other information

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### Abbreviations and acronyms:

	<p>Abbreviations and acronyms:</p> <p>RID: Regulations Concerning the International Transport of Dangerous Goods by Rail          ICAO: International Civil Aviation Organization          ADR: 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 (division of the American Chemical Society)          VOC: Volatile Organic Compounds (USA, EU)          LC50: Lethal concentration, 50 percent          LD50: Lethal dose, 50 percent</p>
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### Full text of H- and EUH-statements:

Acute Tox. 1 (Dermal)	Acute toxicity (dermal), Category 1
Acute Tox. 2 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 2
Acute Tox. 2 (Oral)	Acute toxicity (oral), Category 2
Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Flam. Liq. 3	Flammable liquids, Category 3
Met. Corr. 1	Corrosive to metals, Category 1
Repr. 2	Reproductive toxicity, Category 2
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H226	Flammable liquid and vapour
H290	May be corrosive to metals
H300	Fatal if swallowed
H302	Harmful if swallowed
H310	Fatal in contact with skin
H311	Toxic in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H319	Causes serious eye irritation
H330	Fatal if inhaled
H332	Harmful if inhaled
H335	May cause respiratory irritation
H361d	Suspected of damaging the unborn child
H370	Causes damage to organs
H373	May cause damage to organs through prolonged or repeated exposure
EUH210	Safety data sheet available on request

### SDS EU (REACH Annex II)

*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*