



# Crystal Clean & Protect

## Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878  
Issue date: 14/10/2022 Revision date: 18/08/2022 Version: 1.00

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

#### 1.1. Product identifier

Product name : Crystal Clean & Protect  
Product code : W21090  
Type of product : Detergent  
Product group : Trade product

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

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : Additive for AdBlue

##### 1.2.2. Uses advised against

No additional information available

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

ITW ADDITIVES INTL B.V.  
Industriepark-West 46  
9100 Sint-Niklaas  
Belgium  
T +32 3 766 60 20 - F +32 3 778 16 56  
[msds@wynns.eu](mailto:msds@wynns.eu) - [www.wynns.com](http://www.wynns.com)

#### 1.4. Emergency telephone number

Emergency number : BIG: +32(0)14 58 45 45 (NL FR EN DE)

### SECTION 2: Hazards identification

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

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

Serious eye damage/eye irritation, Category 1 H318  
Full text of H- and EUH-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) :



GHS05

Signal word (CLP) : Danger  
Contains : amines, coco alkyl, ethoxylated (12 EO), D-Glucopyranose, oligomeric, C10-16 (even numbered)-alkyl glycosides  
Hazard statements (CLP) : H318 - Causes serious eye damage.  
Precautionary statements (CLP) : P280 - Wear protective gloves, eye protection.  
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 or doctor/physician.  
P102 - Keep out of reach of children.  
EUH-statements : EUH208 - Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction.

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### 2.3. Other hazards

Contains no PBT/vPvB substances  $\geq 0.1\%$  assessed in accordance with REACH 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]                                                                                |
|----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| amines, coco alkyl, ethoxylated (12 EO)                              | CAS-No.: 61791-14-8<br>EC-No.: 500-152-2                                                            | 5 – 10       | Acute Tox. 4 (Oral), H302<br>Eye Dam. 1, H318<br>Aquatic Chronic 3, H412                                                                       |
| D-Glucopyranose, oligomeric, C10-16 (even numbered)-alkyl glycosides | CAS-No.: 110615-47-9<br>EC-No.: 600-975-8<br>REACH-no: 01-2119489418-23                             | 5 – 10       | Skin Irrit. 2, H315<br>Eye Dam. 1, H318                                                                                                        |
| 1,2-Benzisothiazol-3(2H)-one                                         | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6<br>REACH-no: 01-2120761540-60 | 0,001 – 0,01 | Acute Tox. 4 (Oral), H302<br>Skin Irrit. 2, H315<br>Eye Dam. 1, H318<br>Skin Sens. 1, H317<br>Aquatic Acute 1, H400<br>Aquatic Chronic 2, H411 |

### Specific concentration limits:

| Name                         | Product identifier                                                                                  | Specific concentration limits             |
|------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------------------|
| 1,2-Benzisothiazol-3(2H)-one | CAS-No.: 2634-33-5<br>EC-No.: 220-120-9<br>EC Index-No.: 613-088-00-6<br>REACH-no: 01-2120761540-60 | ( 0,05 $\leq$ C < 100) Skin Sens. 1, H317 |

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

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| First-aid measures general            | : Check the vital functions. Keep victim at rest in half upright position. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Cardiac arrest: perform resuscitation. Victim in shock: on his back with legs slightly raised. Vomiting: prevent asphyxia/aspiration pneumonia. Keep watching the victim. Give psychological aid. Prevent cooling by covering the victim (no warming up). Keep the victim calm, avoid physical strain. If necessary seek medical advice. |
| First-aid measures after inhalation   | : If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.                                                                                                                                                                                                                                                                                                                                                                |
| First-aid measures after skin contact | : Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. If skin irritation or rash occurs: Get medical advice/attention.                                                                                                                                                                                                                                                                                                                                               |
| First-aid measures after eye contact  | : IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Consult an eye specialist.                                                                                                                                                                                                                                                                                                                                                                    |
| First-aid measures after ingestion    | : Rinse mouth. Do NOT induce vomiting. Call a POISON CENTER/doctor if you feel unwell. Ingestion of large quantities: immediately to hospital.                                                                                                                                                                                                                                                                                                                                                                                   |

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### 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

No additional information available

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

|                                |                                                                                          |
|--------------------------------|------------------------------------------------------------------------------------------|
| Suitable extinguishing media   | : All extinguishing agents can be used.                                                  |
| Unsuitable extinguishing media | : None to our knowledge. If there is a fire close by, use suitable extinguishing agents. |

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

|                  |                                  |
|------------------|----------------------------------|
| Fire hazard      | : No fire hazard. Not flammable. |
| Explosion hazard | : Product is not explosive.      |

### 5.3. Advice for firefighters

|                                |                                                                                                 |
|--------------------------------|-------------------------------------------------------------------------------------------------|
| 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

#### 6.1.1. For non-emergency personnel

|                      |                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------|
| Protective equipment | : Wear suitable gloves and eye/face protection. protective clothing.                      |
| Emergency procedures | : Mark the danger area. Avoid contact with skin and eyes. Take off contaminated clothing. |

#### 6.1.2. For emergency responders

|                      |                                              |
|----------------------|----------------------------------------------|
| Protective equipment | : Equip cleanup crew with proper protection. |
|----------------------|----------------------------------------------|

### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment.

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

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| For containment         | : Collect spillage. Contain leaking substance, pump over in suitable containers.                                                                                                        |
| Methods for cleaning up | : Small quantities of liquid spill: take up in non-combustible absorbent material and shovel into container for disposal. Contaminated surfaces: clean (treat) with an excess of water. |

### 6.4. Reference to other sections

For further information refer to section 8: "Exposure controls/personal protection".

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

|                               |                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | : Presents no particular risk when handled in accordance with good occupational hygiene practice. Avoid contact with skin and eyes.    |
| Hygiene measures              | : Use good personal hygiene practices. Wash contaminated clothing before reuse. IF ON SKIN: Gently wash with plenty of soap and water. |

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

|                            |                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------|
| Technical measures         | : Keep out of frost. Does not require any specific or particular technical measures. |
| Storage conditions         | : Meet the legal requirements. Store in a closed container.                          |
| Storage temperature        | : 0 – 30 °C                                                                          |
| Storage area               | : Meet the legal requirements.                                                       |
| Special rules on packaging | : Meet the legal requirements. Labelling according to.                               |

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### 7.3. Specific end use(s)

Read label before use. See product bulletin for detailed information.

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### 8.1.1 National occupational exposure and biological limit values

No additional information available

#### 8.1.2. Recommended monitoring procedures

No additional information available

#### 8.1.3. Air contaminants formed

No additional information available

#### 8.1.4. DNEL and PNEC

No additional information available

#### 8.1.5. Control banding

No additional information available

### 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

##### Appropriate engineering controls:

Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Does not require any specific or particular technical measures.

#### 8.2.2. Personal protection equipment

##### Personal protective equipment:

Gloves. Safety glasses.

##### Personal protective equipment symbol(s):



##### 8.2.2.1. Eye and face protection

No additional information available

##### 8.2.2.2. Skin protection

##### Hand protection:

Neoprene. Nitrile rubber. Polyvinylchloride (PVC). Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Time of penetration is to be checked with the glove producer

##### 8.2.2.3. Respiratory protection

No additional information available

##### 8.2.2.4. Thermal hazards

No additional information available

#### 8.2.3. Environmental exposure controls

No additional information available

## SECTION 9: Physical and chemical properties

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

Physical state

: Liquid

Colour

: Yellow.

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|                                                 |                                |
|-------------------------------------------------|--------------------------------|
| Appearance                                      | : clear.                       |
| Odour                                           | : characteristic.              |
| Odour threshold                                 | : Not available                |
| Melting point                                   | : Not available                |
| Freezing point                                  | : Not available                |
| Boiling point                                   | : Not available                |
| Flammability                                    | : Not available                |
| Explosive limits                                | : Not available                |
| Lower explosion limit                           | : Not available                |
| Upper explosion limit                           | : Not available                |
| Flash point                                     | : Not available                |
| Auto-ignition temperature                       | : Not available                |
| Decomposition temperature                       | : Not available                |
| pH                                              | : 9                            |
| Viscosity, kinematic                            | : 1,6 mm <sup>2</sup> /s @40°C |
| Solubility                                      | : Soluble in water.            |
| Partition coefficient n-octanol/water (Log Kow) | : Not available                |
| Vapour pressure                                 | : Not available                |
| Vapour pressure at 50 °C                        | : Not available                |
| Density                                         | : 1010 kg/m <sup>3</sup> @20°C |
| Relative density                                | : Not available                |
| Relative vapour density at 20 °C                | : Not available                |
| Particle characteristics                        | : Not applicable               |

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No additional information available

#### 9.2.2. Other safety characteristics

Additional information : The physical and chemical data in this section are typical values for this product and are not intended as product specifications.

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No additional information available

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No additional information available

### 10.4. Conditions to avoid

No additional information available

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

## SECTION 11: Toxicological information

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

|                         |                  |
|-------------------------|------------------|
| Acute toxicity (oral)   | : Not classified |
| Acute toxicity (dermal) | : Not classified |

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Acute toxicity (inhalation) : Not classified

### 1,2-Benzisothiazol-3(2H)-one (2634-33-5)

|                 |                       |
|-----------------|-----------------------|
| LD50 oral rat   | 1193 mg/kg bodyweight |
| LD50 dermal rat | 4115 mg/kg bodyweight |

Skin corrosion/irritation : Not classified  
pH: 9

### amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

|    |      |
|----|------|
| pH | ≈ 10 |
|----|------|

Serious eye damage/irritation : Causes serious eye damage.  
pH: 9

### amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

|    |      |
|----|------|
| pH | ≈ 10 |
|----|------|

Respiratory or skin sensitisation : Not classified  
Germ cell mutagenicity : Not classified  
Carcinogenicity : Not classified  
Reproductive toxicity : Not classified  
STOT-single exposure : Not classified  
STOT-repeated exposure : Not classified  
Aspiration hazard : Not classified

### Crystal Clean & Protect

|                      |                              |
|----------------------|------------------------------|
| Viscosity, kinematic | 1,6 mm <sup>2</sup> /s @40°C |
|----------------------|------------------------------|

## 11.2. Information on other hazards

No additional information available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : This product contains hazardous components for the aquatic environment. The product is not considered harmful to aquatic organisms nor to cause long-term adverse effects in the environment.  
Hazardous to the aquatic environment, short-term (acute) : Not classified  
Hazardous to the aquatic environment, long-term (chronic) : Not classified

### amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

|                                    |                                       |
|------------------------------------|---------------------------------------|
| EC50 - Crustacea [1]               | 10 – 100 mg/l daphnia magna           |
| EC50 - Other aquatic organisms [1] | 10 – 100 mg/l desmodesmus subspicatus |
| NOEC (acute)                       | 48h 1 mg/l daphnia magna              |

### 1,2-Benzisothiazol-3(2H)-one (2634-33-5)

|                      |                                               |
|----------------------|-----------------------------------------------|
| LC50 - Fish [1]      | 96h 2,18 mg/l Oncorhynchus mykiss             |
| EC50 - Crustacea [1] | 48h 2,94 mg/l Daphnia magna                   |
| ErC50 algae          | 72h 0,11 mg/l Pseudokirchneriella subcapitata |
| NOEC (acute)         | 72h 0,027 mg/l Skeletonema costatum           |

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### 12.2. Persistence and degradability

#### Crystal Clean & Protect

##### Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

#### amines, coco alkyl, ethoxylated (12 EO) (61791-14-8)

##### Biodegradation

28d 72 % OECD 301F/ ISO 9408/ EEC 92/69/V, C.4-D

### 12.3. Bioaccumulative potential

#### 1,2-Benzisothiazol-3(2H)-one (2634-33-5)

##### Partition coefficient n-octanol/water (Log Pow)

1,3

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Endocrine disrupting properties

No additional information available

### 12.7. 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. Remove to an authorized waste treatment plant. Avoid release to the environment.

European List of Waste (LoW) code : 20 01 29\* - detergents containing dangerous substances  
15 01 10\* - packaging containing residues of or contaminated by dangerous substances

## SECTION 14: Transport information

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

| ADR                                     | IMDG           | IATA           | ADN            | RID            |
|-----------------------------------------|----------------|----------------|----------------|----------------|
| <b>14.1. UN number or ID 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 |
| <b>14.3. Transport hazard class(es)</b> |                |                |                |                |
| 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 |

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| ADR                                    | IMDG           | IATA           | ADN            | RID            |
|----------------------------------------|----------------|----------------|----------------|----------------|
| <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. 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

#### 15.1.1. EU-Regulations

##### REACH Annex XVII (Restriction List)

Contains no REACH substances with Annex XVII restrictions

##### REACH Annex XIV (Authorisation List)

Contains no REACH Annex XIV substances

##### REACH Candidate List (SVHC)

Contains no substance on the REACH candidate list

##### PIC Regulation (Prior Informed Consent)

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

##### POP Regulation (Persistent Organic Pollutants)

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

##### Ozone Regulation (1005/2009)

Contains no substance subject to REGULATION (EU) No 1005/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 September 2009 on substances that deplete the ozone layer.

##### Detergent Regulation (648/2004)

| Labelling of contents |       |
|-----------------------|-------|
| Component             | %     |
| non-ionic surfactants | 5-15% |
| BENZISOTHIAZOLINONE   |       |

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### Explosives Precursors Regulation (2019/1148)

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

### Drug Precursors Regulation (273/2004)

Contains no substance(s) listed on the Drug Precursors list (Regulation EC 273/2004 on drug precursors)

### 15.1.2. National regulations

#### France

| Occupational diseases |                                            |
|-----------------------|--------------------------------------------|
| Code                  | Description                                |
| RG 65                 | Eczematiform lesions of allergic mechanism |
| RG 66                 | Occupational rhinitis and asthma           |

#### Germany

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1).  
Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the Hazardous Incident Ordinance (12. BImSchV)

#### Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed  
SZW-lijst van mutagene stoffen : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Borstvoeding : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Vruchtbaarheid : None of the components are listed  
SZW-lijst van reprotoxische stoffen – Ontwikkeling : None of the components are listed

#### Denmark

Danish National Regulations : Young people below the age of 18 years are not allowed to use the product

#### Switzerland

Storage class (LK) : LK 10/12 - Liquids

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

### Full text of H- and EUH-statements:

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| Acute Tox. 4 (Oral) | Acute toxicity (oral), Category 4                                        |
| Aquatic Acute 1     | Hazardous to the aquatic environment – Acute Hazard, Category 1          |
| Aquatic Chronic 2   | Hazardous to the aquatic environment – Chronic Hazard, Category 2        |
| Aquatic Chronic 3   | Hazardous to the aquatic environment – Chronic Hazard, Category 3        |
| EUH208              | Contains 1,2-Benzisothiazol-3(2H)-one. May produce an allergic reaction. |
| Eye Dam. 1          | Serious eye damage/eye irritation, Category 1                            |
| H302                | Harmful if swallowed.                                                    |
| H315                | Causes skin irritation.                                                  |
| H317                | May cause an allergic skin reaction.                                     |
| H318                | Causes serious eye damage.                                               |
| H400                | Very toxic to aquatic life.                                              |
| H411                | Toxic to aquatic life with long lasting effects.                         |
| H412                | Harmful to aquatic life with long lasting effects.                       |

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### Full text of H- and EUH-statements:

|               |                                       |
|---------------|---------------------------------------|
| Skin Irrit. 2 | Skin corrosion/irritation, Category 2 |
| Skin Sens. 1  | Skin sensitisation, Category 1        |

Safety Data Sheet (SDS), EU

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.