

Safety data sheet

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BASF India Ltd Safety data sheet

Date / Revised: 22.01.2016 Version: 4.0 Product: **Agnique® BL 7055**

(30538685/SDS_GEN_IN/EN)

Date of print 23.01.2016

1. Substance/preparation and manufacturer/supplier identification

Agnique® BL 7055

Use: Additives for agrochemicals

Manufacturer/supplier:

BASF India Ltd

1st Floor, VIBGYOR Towers, Plot No. C – 62, 'G' Block,

Bandra Kurla Complex, Mumbai – 400051, INDIA

Telephone: +91 22 6661-8000

Telefax number: +91 22 6758-2753

Emergency information:

International emergency number:

Telephone: +49 180 2273-112

2. Hazard identification

Classification of the substance and mixture:

Serious eye damage/eye irritation: Cat. 1

Hazardous to the aquatic environment - acute: Cat. 2

Label elements and precautionary statement:

Pictogram:



Signal Word:

Danger

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Hazard Statement:

Causes serious eye damage. Toxic to aquatic life.

Precautionary Statements (Prevention):

Wear eye/face protection. Avoid release to the environment.

Precautionary Statements (Response):

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Precautionary Statements (Disposal):

Dispose of contents/container to hazardous or special waste collection point.

Other hazards which do not result in classification:

No specific dangers known, if the regulations/notes for storage and handling are considered.

3. Composition/information on ingredients

Chemical nature

Blend based on: amphoteric, non-ionic surfactants

Hazardous ingredients

4. First-Aid Measures

General advice:

Remove contaminated clothing.

If inhaled:

Immediately administer a corticosteroid from a controlled/metered dose inhaler. Remove the affected individual into fresh air and keep the person calm. Seek medical attention.

On skin contact:

Wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention.

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On contact with eyes:

Immediately wash affected eyes for at least 15 minutes under running water with eyelids held open, consult an eye specialist.

On ingestion:

Immediately rinse mouth and then drink 200-300 ml of water, seek medical attention. Do not induce vomiting.

Note to physician:

Symptoms: The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11., Further important symptoms and effects are so far not known.

Treatment: Treat according to symptoms (decontamination, vital functions), no known specific antidote.

5. Fire-Fighting Measures

Suitable extinguishing media:
water spray, dry powder, foam

Specific hazards:

toxic vapours, carbon oxides, nitrogen oxides

Evolution of fumes/fog. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment:

Wear a self-contained breathing apparatus.

Further information:

Contaminated extinguishing water must be disposed of in accordance with official regulations.

6. Accidental Release Measures

Personal precautions:

Use personal protective clothing. Information regarding personal protective measures see, section 8.

Environmental precautions:

Contain contaminated water/firefighting water. Do not discharge into drains/surface waters/groundwater.

Methods for cleaning up or taking up:

For large amounts: Dike spillage. Pump off product.

For residues: Pick up with suitable absorbent material.

Dispose of absorbed material in accordance with regulations.

Additional information: High risk of slipping due to leakage/spillage of product.

7. Handling and Storage

Handling

No special measures necessary provided product is used correctly.

Protection against fire and explosion:

No special precautions necessary.

Storage

Suitable materials for containers: High density polyethylene (HDPE)

Further information on storage conditions: Keep container tightly closed and in a cool place.

Storage stability:

Storage temperature: 10 - 40 °C

Protect from temperatures above: 40 °C

8. Exposure controls and personal protection

Components with occupational exposure limits

No occupational exposure limits known.

Personal protective equipment

Respiratory protection:

Respiratory protection in case of vapour/aerosol release.

Hand protection:

Chemical resistant protective gloves

Suitable materials also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374):

e.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), polyvinylchloride (0.7 mm) and other

Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Manufacturer's directions for use should be observed because of great diversity of types.

Eye protection:

Tightly fitting safety goggles (cage goggles) (e.g. EN 166) and face shield.

Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. apron, protecting boots, chemical-protection suit (according to EN 14605 in case of splashes or EN ISO 13982 in case of dust).

General safety and hygiene measures:

Wearing of closed work clothing is recommended. No eating, drinking, smoking or tobacco use at the place of work. Handle in accordance with good industrial hygiene and safety practice.

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9. Physical and Chemical Properties

Form:	liquid	
Colour:	yellow to amber	
Odour:	product specific	
Odour threshold:	not determined	
pH value:	approx. 9 (20 °C) (measured with the undiluted substance)	(ISO 4316)
Freezing point:	approx. 0 °C Information applies to the solvent.	
Boiling point:	> 100 °C contains water	
Flash point:	> 100 °C Aqueous preparation	
Evaporation rate:	not determined	
Flammability (solid/gas):	hardly combustible	
Lower explosion limit:	For liquids not relevant for classification and labelling.	
Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	not applicable	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	not self-igniting	
Explosion hazard:	not explosive	
Fire promoting properties:	Based on its structural properties the product is not classified as oxidizing.	
Vapour pressure:	approx. 23 hPa (20 °C)	
Density:	approx. 1.04 g/cm ³ (28 °C)	(DIN 51757)
Relative density:	No data available.	
Relative vapour density (air):	not determined	

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Solubility in water: soluble
Hygroscopy: Non-hygroscopic
Partitioning coefficient n-octanol/water (log Pow):
Study does not need to be
conducted.

Viscosity, dynamic: 1,000 mPa.s (DIN EN 12092)
(28 °C)

Other Information:

If necessary, information on other physical and chemical parameters is indicated in this section.

10. Stability and Reactivity

Conditions to avoid:
See MSDS section 7 - Handling and storage.

Thermal decomposition: No decomposition if stored and handled as prescribed/indicated.

Substances to avoid:
acids, Alkalines, caustics, halogens, water reactive substances

Hazardous reactions:
No hazardous reactions when stored and handled according to instructions.

Hazardous decomposition products:
No hazardous decomposition products if stored and handled as prescribed/indicated.

11. Toxicological Information

Acute toxicity

Assessment of acute toxicity:
Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg

LC50 rat (by inhalation): > 20 mg/l

LD50 rat (dermal): > 5,000 mg/kg

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Experimental/calculated data:
LD50 rat (oral): > 5,000 mg/kg (similar to OECD guideline 401)

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts
Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg (similar to OECD guideline 401)

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Information on: D-Glucopyranose, oligomers, decyl octyl glycosides
Experimental/calculated data:
LD50 rat (oral): > 2,000 mg/kg (similar to OECD guideline 401)

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Experimental/calculated data:
rat (by inhalation): 6 mg/l (IRT)

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs.,
hydroxides, inner salts
Experimental/calculated data:
(by inhalation): Study does not need to be conducted.

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides
Experimental/calculated data:
(by inhalation): Study does not need to be conducted.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Experimental/calculated data:
LD50 rabbit (dermal): > 2,000 mg/kg (OECD Guideline 402)

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs.,
hydroxides, inner salts
Experimental/calculated data:
LD50 rat (dermal): > 2,000 mg/kg (OECD Guideline 402)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides
Experimental/calculated data:
LD50 rabbit (dermal): > 2,000 mg/kg (OECD Guideline 402)

Irritation

Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant

Serious eye damage/irritation rabbit: irreversible damage

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides
Experimental/calculated data:
Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs.,
hydroxides, inner salts
Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides
Experimental/calculated data:
Skin corrosion/irritation rabbit: non-irritant (OECD Guideline 404)

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Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Experimental/calculated data:

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Experimental/calculated data:

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Experimental/calculated data:

Serious eye damage/irritation rabbit: irreversible damage (OECD Guideline 405) Data of a comparable product

Respiratory/Skin sensitization

Assessment of sensitization:

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

Germ cell mutagenicity

Assessment of mutagenicity:

Based on the ingredients, there is no suspicion of a mutagenic effect.

Carcinogenicity

Assessment of carcinogenicity:

Based on the ingredients there is no suspicion of a carcinogenic effect in humans.

Reproductive toxicity

Assessment of reproduction toxicity:

Based on the ingredients, there is no suspicion of a toxic effect on reproduction.

Developmental toxicity

Assessment of teratogenicity:

Based on the ingredients, there is no suspicion of a teratogenic effect.

Specific target organ toxicity (single exposure):

Remarks: No data available.

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

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

Aspiration hazard

No aspiration hazard expected.

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Other relevant toxicity information

The product has not been tested. The statement has been derived from the properties of the individual components.

12. Ecological Information

Ecotoxicity

Assessment of aquatic toxicity:

Toxic to aquatic life. Harmful to aquatic life with long lasting effects.

Toxicity to fish:

LC50 > 1 - < 10 mg/l

Aquatic invertebrates:

LC50 (48 h) > 1 - < 10 mg/l, Daphnia magna (Directive 92/69/EEC, C.2)

Aquatic plants:

EC50 > 10 - < 100 mg/l

Microorganisms/Effect on activated sludge:

EC50 (0.5 h), bacteria

not determined

Chronic toxicity to fish:

No observed effect concentration > 1 mg/l

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), > 1 mg/l, Daphnia magna

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Toxicity to fish:

LC50 (96 h) 2,95 mg/L a.i., Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)

Nominal concentration.

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Toxicity to fish:

LC50 (96 h) > 1 - < 10 mg/l, Pimephales promelas (OECD 203; ISO 7346; 84/449/EEC, C.1)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Toxicity to fish:

LC50 (96 h) 126 mg/L a.i., Brachydanio rerio (OECD 203; ISO 7346; 84/449/EEC, C.1, semistatic)

Nominal concentration.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Aquatic invertebrates:

EC50 (48 h) 7 mg/L a.i., Daphnia magna (Directive 92/69/EEC, C.2, static)

The statement of the toxic effect relates to the analytically determined concentration.

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LC50 (10 d) 650 mg a.i./kg dw, *Corophium volutator* (, static)
Nominal concentration.

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Aquatic invertebrates:

EC50 (48 h) > 1 - < 10 mg/l, *Daphnia magna* (OECD Guideline 202, part 1)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Aquatic invertebrates:

EC50 (48 h) > 100 mg/l, *Daphnia magna* (Directive 92/69/EEC, C.2, static)

Nominal concentration.

LC50 (10 d) 3318 mg a.i./kg dw, *Corophium volutator* (, static)
Nominal concentration.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Aquatic plants:

EC50 (72 h) 12,5 mg/L a.i. (growth rate), *Desmodium subspicatus* (OECD Guideline 201, static)

Nominal concentration.

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Aquatic plants:

EC50 (72 h) > 1 - < 10 mg/l (growth rate), *Desmodium subspicatus* (OECD Guideline 201)

No observed effect concentration > 1 mg/l (growth rate), *Desmodium subspicatus*

EC50 9,9 mg/l (growth rate)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Aquatic plants:

EC50 (72 h) 27,2 mg/L a.i. (growth rate), *Desmodium subspicatus* (OECD Guideline 201, static)

Nominal concentration.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Chronic toxicity to fish:

No observed effect concentration (28 d) 1,8 mg/l a.i., *Brachydanio rerio* (OECD Guideline 204, Flow through.)

Nominal concentration.

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Chronic toxicity to fish:

No observed effect concentration (37 d) > 0.1 - < 1 mg/l, *Oncorhynchus mykiss* (OECD Guideline 210)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Chronic toxicity to fish:

No observed effect concentration (28 d) 1,8 mg/l a.i., *Brachydanio rerio* (OECD Guideline 204, Flow through.)

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Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Chronic toxicity to aquatic invertebrates:

EC10 (21 d), 1.76 mg/l, Daphnia magna (OECD Guideline 202, part 2, semistatic)

Nominal concentration.

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 0.3 mg/l, Daphnia magna (OECD Guideline 211, semistatic)

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Chronic toxicity to aquatic invertebrates:

No observed effect concentration (21 d), 1.76 mg/l, Daphnia magna (OECD Guideline 202, part 2, semistatic)

Nominal concentration. The product has not been tested. The statement has been derived from substances/products of a similar structure or composition.

Analogous: Assessment derived from products with similar chemical character.

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

Mobility

Assessment transport between environmental compartments:

The substance will not evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

Persistence and degradability

Assessment biodegradation and elimination (H₂O):

Product is expected to be readily biodegradable.

Information on: D-Glucopyranose, oligomeric, C10-16-alkyl glycosides

Information on: 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Assessment biodegradation and elimination (H₂O):

Readily biodegradable (according to OECD criteria).

Information on: D-Glucopyranose, oligomers, decyl octyl glycosides

Additional information

Add. remarks environm. fate & pathway:

Treatment in biological waste water treatment plants has to be performed according to local and administrative regulations.

Other ecotoxicological advice:

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The product has not been tested. The statement has been derived from the properties of the individual components.

13. Disposal Considerations

Must be disposed of or incinerated in accordance with local regulations.

Contaminated packaging:

Uncontaminated packaging can be re-used.

Packs that cannot be cleaned should be disposed of in the same manner as the contents.

14. Transport Information

Domestic transport:

Not classified as a dangerous good under transport regulations

Sea transport

IMDG

Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO

Not classified as a dangerous good under transport regulations

15. Regulatory Information

Hazard determining component(s) for labelling: ALKYL POLYGLUKOSIDE, 1-Propanaminium, 3-amino-N-(carboxymethyl)-N,N-dimethyl-, N-coco acyl derivs., hydroxides, inner salts

Other regulations

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

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16. Other Information

Information on intended use: This product is of industrial quality and unless otherwise specified or agreed intended exclusively for industrial use. This includes the mentioned and recommended usage. Any other intended applications should be discussed with the manufacturer. In particular this concerns the application for products that are the object of special standards and regulations.

Vertical lines in the left hand margin indicate an amendment from the previous version.

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.