

# Safety data sheet

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BASF Safety data sheet  
Date / Revised: 30.04.2025  
Product: **Agnique® ABS 70 C**

Version: 1.1

(30534054/SDS\_GEN\_NZ/EN)

Date of print: 27.04.2026

## 1. Substance/preparation and manufacturer/supplier identification

**Product name:**  
**Agnique® ABS 70 C**

Use: Additives for agrochemicals

Manufacturer/supplier:  
BASF New Zealand Ltd.  
5E City Works Depot  
77 Cook Street  
Auckland Central, Auckland 1010  
NEW ZEALAND  
Telephone: +64 9 255-4300  
Telefax number: +64 9 255-4307

Emergency information:  
National Poisons Centre: 0800 764 766  
BASF Emergency Advice Number: 0800 944 955 (24 hour advice in an emergency only)  
European BASF Emergency Advice Number: +49 180 2273112

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## 2. Hazard identification

Classification of the substance and mixture:  
Flammable liquids: Cat.3  
Acute toxicity: Cat.5 (oral)  
Acute toxicity: Cat.5 (dermal)  
Skin corrosion/irritation: Cat.2  
Serious eye damage/eye irritation: Cat.1  
Specific target organ toxicity — single exposure: Cat.3 (May cause drowsiness and dizziness.)  
Specific target organ toxicity — single exposure: Cat.3 (irritating to respiratory system)  
Hazardous to the aquatic environment - acute: Cat.2  
Hazardous to the aquatic environment - chronic: Cat.3

Label elements and precautionary statement:

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Pictogram:



Signal Word:

Danger

Hazard Statement:

H226	Flammable liquid and vapour.
H318	Causes serious eye damage.
H315	Causes skin irritation.
H313	May be harmful in contact with skin.
H303	May be harmful if swallowed.
H336	May cause drowsiness or dizziness.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.
H401	Toxic to aquatic life.

Precautionary Statements (Prevention):

P280	Wear protective gloves and eye protection or face protection.
P271	Use only outdoors or in a well-ventilated area.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P243	Take action to prevent static discharges.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P264	Wash contaminated body parts thoroughly after handling.
P240	Ground and bond container and receiving equipment.
P242	Use non-sparking tools.

Precautionary Statements (Response):

P310	Immediately call a POISON CENTER or physician.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P304 + P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P303 + P361 + P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P370 + P378	In case of fire: Use foam or dry powder for extinction.

Precautionary Statements (Storage):

P233	Keep container tightly closed.
P403 + P235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.

Precautionary Statements (Disposal):

P501	Dispose of contents and container to hazardous or special waste collection point.
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Other hazards which do not result in classification:

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

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### 3. Composition/information on ingredients

#### Chemical nature

Substance nature: mixture

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

dissolved in:  
isobutyl alcohol

#### Hazardous ingredients

isobutyl alcohol

Content (W/W): $\geq 25\%$ - $< 50\%$	Asp. Tox.: Cat. 2
CAS Number: 78-83-1	Flam. Liq.: Cat. 3
	Acute Tox.: Cat. 5 (oral)
	Acute Tox.: Cat. 5 (dermal)
	Skin Irrit.: Cat. 2
	Eye Dam.: Cat. 1
	STOT SE: Cat. 3 (drowsiness and dizziness)
	STOT SE: Cat. 3 (irr. to respiratory syst.)

Benzene, C10-13-alkyl derivs.

Content (W/W): $\geq 0\%$ - $< 10\%$	Asp. Tox.: Cat. 1
CAS Number: 67774-74-7	

Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

Content (W/W): $\geq 50\%$ - $< 75\%$	Acute Tox.: Cat. 5 (oral)
CAS Number: 84989-14-0	Acute Tox.: Cat. 5 (dermal)
	Skin Irrit.: Cat. 2
	Eye Dam.: Cat. 1
	Aquatic Acute: Cat. 2
	Aquatic Chronic: Cat. 3

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### 4. First-Aid Measures

General advice:

First aid personnel should pay attention to their own safety. If the patient is likely to become unconscious, place and transport in stable sideways position (recovery position). Immediately remove contaminated clothing.

If inhaled:

Keep patient calm, remove to fresh air, seek medical attention. Immediately administer a corticosteroid from a controlled/metered dose inhaler.

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On skin contact:

Immediately wash thoroughly with plenty of water, apply sterile dressings, consult a skin specialist.

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.

Note to physician:

Symptoms: Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11., (Further) symptoms and / or effects are not known so far

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

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## 5. Fire-Fighting Measures

Suitable extinguishing media:

dry powder, alcohol-resistant foam

Specific hazards:

harmful vapours, carbon oxides, sulfur oxides

Generation 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:

The degree of risk is governed by the burning substance and the fire conditions. Contaminated extinguishing water must be disposed of in accordance with official regulations.

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## 6. Accidental Release Measures

Personal precautions:

Avoid all sources of ignition: heat, sparks, open flame. Use personal protective clothing. Avoid contact with the skin, eyes and clothing. Information regarding personal protective measures, see section 8. Ensure adequate ventilation. Do not breathe vapour/spray.

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. Cover with blanket of foam (alcohol-resistant foam). Pump off product.

For residues: Pick up with suitable absorbent material.

Dispose of absorbed material in accordance with regulations.

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## 7. Handling and Storage

### Handling

Keep away from sources of ignition - No smoking. Avoid contact with the skin, eyes and clothing. Wear chemically resistant gloves in combination with 'basic' employee training. Ensure thorough ventilation of stores and work areas. Use with local exhaust ventilation.

### Protection against fire and explosion:

The product is combustible. Vapours may form explosive mixture with air. Take precautionary measures against static discharges. Avoid all sources of ignition: heat, sparks, open flame. If exposed to fire, keep containers cool by spraying with water. If delivered in plastic packing, highest permissible emptying temperature is 5 Kelvin below the flash point.

### Storage

Suitable materials for containers: High density polyethylene (HDPE), Stainless steel 1.4401, Stainless steel 1.4541, Stainless steel 1.4571, Carbon steel (Iron)

Unsuitable materials for containers: zinc, aluminum

Further information on storage conditions: Keep container tightly closed and in a cool place. Avoid all sources of ignition: heat, sparks, open flame.

### Storage stability:

Storage temperature: 10 - 40 °C

Protect from temperatures below: 5 °C

Characteristics of the product are reversibly changed when falling below the limit temperature.

Protect from temperatures above: 40 °C

Properties of the product change irreversibly on exceeding the limit temperature.

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## 8. Exposure controls and personal protection

### Components with occupational exposure limits

isobutyl alcohol, 78-83-1;

TWA value 50 ppm (ACGIHTLV)

TWA value 152 mg/m<sup>3</sup> ; 50 ppm (OEL (NZ))

### Personal protective equipment

Respiratory protection:

Suitable respiratory protection for higher concentrations or long-term effect: Gas filter for gases/vapours of organic compounds (boiling point >65 °C, e. g. EN 14387 Type A)

**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 ISO 374-1):

fluoroelastomer (FKM) - 0.7 mm coating thickness

Polyethylene-Laminate (PE laminate) - ca. 0.1 mm coating thickness

Suitable materials for short-term contact (recommended: At least protective index 2, corresponding > 30 minutes of permeation time according to EN ISO 374-1)

nitrile rubber (NBR) - 0.4 mm coating thickness

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 required additionally to the stated personal protection equipment.

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 brown	
Odour:	product specific	
pH value:	6 - 7 (5 %(m), 20 °C)	(DIN EN 1262)
Freezing point:	not determined	
Boiling range:	80 - 160 °C	(internal test)
Flash point:	approx. 29 °C	(ISO 2719)
Evaporation rate:	not determined	
Flammability (solid/gas):	Flammable liquid and vapour.	
Lower explosion limit:	For liquids not relevant for classification and labelling., The lower explosion point may be 5 - 15 °C below the flash point.	

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Upper explosion limit:	For liquids not relevant for classification and labelling.	
Ignition temperature:	not determined	
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated.	
Self ignition:	not self-igniting	
Self heating ability:	It is not a substance capable of spontaneous heating according to UN transport regulations class 4.2.	
Explosion hazard:	not explosive	
Fire promoting properties:	not fire-propagating	
Vapour pressure:	not determined	
Density:	approx. 1.03 g/cm <sup>3</sup> (20 °C)	(DIN 51757)
	approx. 1.015 g/cm <sup>3</sup> (40 °C)	(DIN 51757)
Relative density:	No data available.	
Relative vapour density (air):	not determined	
Solubility in water:	insoluble	
Partitioning coefficient n-octanol/water (log Pow):	not applicable for mixtures	
Surface tension:	No data available.	
Viscosity, dynamic:	not determined	

#### Particle characteristics

Particle size distribution: The substance / product is marketed or used in a non solid or granular form. -

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## 10. Stability and Reactivity

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

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

Substances to avoid:  
acids, Alkalines, caustics, reactive chemicals

Hazardous reactions:  
Generation of flammable gases/vapours.

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

Chemical stability:  
The product is stable if stored and handled as prescribed/indicated.

Reactivity:  
No hazardous reactions if stored and handled as prescribed/indicated.

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## 11. Toxicological Information

### Routes of exposure

#### Acute oral toxicity

Experimental/calculated data:  
ATE<sub>rat</sub> (oral): > 2,000 - < 5,000 mg/kg (calculated)

#### Acute inhalation toxicity

LC<sub>50</sub> rat (by inhalation):  
No data available.

#### Acute dermal toxicity

ATE<sub>rat</sub> (dermal): > 2,000 - < 5,000 mg/kg (calculated)

#### Assessment of acute toxicity

Of low toxicity after single ingestion. Of low toxicity after short-term skin contact.

Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

#### Acute oral toxicity

Experimental/calculated data:  
LD<sub>50</sub> rat (oral): 4,445 mg/kg (other)

Information on: isobutyl alcohol

#### Acute oral toxicity

Experimental/calculated data:  
LD<sub>50</sub> rat (oral): > 2,830 - 3,350 mg/kg (OECD Guideline 401)

Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

#### Acute dermal toxicity

Experimental/calculated data:  
LD<sub>50</sub> rat (dermal): 2,000 mg/kg (OECD Guideline 402)  
The statement for acute dermal toxicity was derived from products of similar composition.

Information on: isobutyl alcohol

### Acute dermal toxicity

Experimental/calculated data:

LD50 rabbit (dermal): > 2,000 - 2,460 mg/kg (OECD Guideline 402)

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### Symptoms

Information, i.e. additional information on symptoms and effects may be included in the GHS labeling phrases available in Section 2 and in the Toxicological assessments available in Section 11.

(Further) symptoms and / or effects are not known so far

### Irritation

Assessment of irritating effects:

May cause severe damage to the eyes.

Skin contact causes irritation.

Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

Information on: isobutyl alcohol

Experimental/calculated data:

Skin corrosion/irritation rabbit: Irritant. (OECD Guideline 404)

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Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

Experimental/calculated data:

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

Information on: isobutyl alcohol

Experimental/calculated data:

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

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### Respiratory/Skin sensitization

Assessment of sensitization:

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

### Germ cell mutagenicity

Assessment of mutagenicity:

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

### Carcinogenicity

Assessment of carcinogenicity:

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

### Reproductive toxicity

Assessment of reproduction toxicity:

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

### **Developmental toxicity**

Assessment of teratogenicity:

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

### **Specific target organ toxicity (single exposure)**

Causes temporary irritation of the respiratory tract. Possible narcotic effects (drowsiness or dizziness).

### **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.

### **Other relevant toxicity information**

The product has not been tested. The statements on toxicology have been derived from the properties of the individual components.

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## **12. Ecological Information**

### **Ecotoxicity**

Assessment of aquatic toxicity:

Acutely toxic for aquatic organisms. Harmful to aquatic life with long lasting effects.

Toxicity to fish:

LC50 (96 h) > 1 - < 10 mg/l, Fish

Aquatic invertebrates:

EC50 (48 h) > 1 - < 10 mg/l, Daphnia magna

Aquatic plants:

EC50 (72 h) > 10 - < 100 mg/l (growth rate), algae

Chronic toxicity to fish:

No observed effect concentration (72 d) > 0.1 - < 1 mg/l, Oncorhynchus mykiss

Chronic toxicity to aquatic invertebrates:

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

Assessment of terrestrial toxicity:

No data available concerning terrestrial toxicity.

## Mobility

Assessment transport between environmental compartments:

The substance will slowly evaporate into the atmosphere from the water surface.

Adsorption to solid soil phase is possible.

## Persistence and degradability

Assessment biodegradation and elimination (H<sub>2</sub>O):

Readily biodegradable (according to OECD criteria).

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

Information on: Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs., calcium salts

Information on: isobutyl alcohol  
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## Bioaccumulation potential

Assessment bioaccumulation potential:

Significant accumulation in organisms is not to be expected.

## 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:

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

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## 13. Disposal Considerations

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

No disposal via sewage or waste water systems.

Contaminated packaging:

Untamminated packaging can be re-used.

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

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## 14. Transport Information

### Domestic transport:

UN number or ID number: UN 1212

UN proper shipping name: ISOBUTANOL (ISOBUTYL ALCOHOL) SOLUTION

Transport hazard class(es): 3

Packing group: III

Environmental hazards: no

Special precautions for: None known

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user:

**Further information**

Hazchem Code:3Y  
IERG Number:17

**Sea transport**

IMDG

UN number or ID number: UN 1212  
UN proper shipping name: ISOBUTANOL (ISOBUTYL ALCOHOL) SOLUTION  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: no  
Marine pollutant: NO  
Special precautions for user: EmS: F-E; S-D

**Air transport**

IATA/ICAO

UN number or ID number: UN 1212  
UN proper shipping name: ISOBUTANOL SOLUTION  
Transport hazard class(es): 3  
Packing group: III  
Environmental hazards: No Mark as dangerous for the environment is needed  
Special precautions for user: None known

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

Maritime transport in bulk is not intended.

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**15. Regulatory Information****Other regulations**

A certified handler is not required for the handling of this substance.  
Tracking requirements do not apply to this substance.

HSNO Approval Number HSR002495  
Additives, Process Chemicals and Raw Materials (Flammable) Group Standard 2020

## 16. Other Information

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.

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

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