USINOV 2295 BF

Safety Data Sheet

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

Revision date: 20/10/2015 Version: 1.0

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

1.1. Product identifier

Product form : Mixture

Trade name : **USINOV 2295 BF**

Product group : Trade product

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

1.2.1. Relevant identified uses

Main use category : Industrial use,Professional use

Use of the substance/mixture : Aqueous machining fluid

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

IGOL FRANCE
614, rue de Cagny - CS 69003
80094 AMIENS CEDEX 3 - France
T +33 (0)3 22 50 22 22
msds@igol.com - www.igol.com

1.4. Emergency telephone number

United Kingdom	**National Poisons Information Service (Cardiff Centre)** Gwenwyn Ward, Wolfson Unit Penarth CF64 2XX Cardiff **0844 892 0111 (UK only, Monday to Friday, 08.00 to 18.00 hours)**

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2 H315

Eye Dam. 1 H318

Full text of hazard classes and H-statements : see section 16

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS05

Signal word (CLP) : Danger

Hazardous ingredients : 1-aminopropan-2-ol

Hazard statements (CLP) : H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary statements (CLP) : P280 - Wear protective gloves, eye protection, face protection, protective clothing
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

2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
1-aminopropan-2-ol	(CAS No) 78-96-6 (EC no) 201-162-7 (EC index no) 603-082-00-1 (REACH-no) 01-2119475331-43	1 - 5	Acute Tox. 4 (Dermal), H312 Skin Corr. 1B, H314
methyldiethanolamine	(CAS No) 105-59-9 (EC no) 203-312-7 (EC index no) 603-079-00-5 (REACH-no) 01-2119488970-24	1 - 5	Skin Corr. 1A, H314 Eye Irrit. 2, H319

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 all cases of doubt, or when symptoms persist, seek medical attention.

First-aid measures after skin contact : Take off contaminated clothing and wash it before reuse. After contact with skin, wash immediately and thoroughly with water and soap. Seek medical attention if ill effect or irritation develops.

First-aid measures after eye contact : Remove contact lenses, if present and easy to do. Continue rinsing. Rinse immediately and thoroughly, pulling the eyelids well away from the eye (15 minutes minimum). Consult an eye specialist.

First-aid measures after ingestion : If swallowed, rinse mouth with water (only if the person is conscious). Never give anything by mouth to an unconscious person.

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

Symptoms/injuries after skin contact : Causes skin irritation.

Symptoms/injuries after eye contact : Causes serious eye damage.

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 : Dry chemical. Carbon dioxide. Water spray. Alcohol resistant foam.

Unsuitable extinguishing media : Do not use water jet.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition products in case of fire : Not applicable.

5.3. Advice for firefighters

Firefighting instructions : Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.

Protection during firefighting : Do not attempt to take action without suitable protective equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Avoid contact with skin and eyes.

6.1.1. For non-emergency personnel

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.1.2. For emergency responders

Protective equipment : Concerning personal protective equipment to use, see section 8.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Do not allow product to spread into the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Clean spills promptly.

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 : Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Provide local exhaust or general room ventilation.

Hygiene measures : Always wash hands and face immediately after handling this product, and once again before leaving the workplace.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions : Store in original container.

Storage temperature : 4 - 35 °C

Prohibitions on mixed storage : Strong oxidizing agents.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

methyldiethanolamine (105-59-9)		
EU	IOELV TWA (mg/m³)	26 mg/m³

8.2. Exposure controls

Appropriate engineering controls : Use appropriate ventilation.

Personal protective equipment : Avoid all unnecessary exposure.

Materials for protective clothing : Separate working clothes from town clothes. Launder separately

Hand protection : Wear suitable gloves resistant to chemical penetration. Chemical resistant gloves (according to European standard NF EN 374 or equivalent). Time of penetration is to be checked with the glove producer

Eye protection : Safety glasses with side shields. (EN 166)

Skin and body protection : Wear suitable protective clothing. Long sleeved protective clothing

Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Yellow.

Odour : characteristic.

Odour threshold : No data available

pH : 9,85

Relative evaporation rate (butylacetate=1) : No data available

Melting point : < 0 °C

Freezing point : No data available

Boiling point : 100 °C

Flash point : not applicable (aqueous liquid)

Auto-ignition temperature : No data available

Decomposition temperature : No data available

Flammability (solid, gas) : No data available

Vapour pressure : No data available

Relative vapour density at 20 °C : No data availabl e

Relative density : No data available

Density : 1,027 (15 °C)

Solubility : Water: Emulsifiable

Log Pow : No data available

Viscosity, kinematic : 33 mm²/s (40 °C)

Viscosity, dynamic : No data available
Explosive properties : No.
Oxidising properties : No.
Explosive limits : No data available

9.2. Other information

Pour Point : < 0 °C

SECTION 10: Stability and reactivity

10.1. Reactivity

Stable under normal conditions.

10.2. Chemical stability

The product is stable at normal handling and storage conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

Strong oxidizers.

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 toxicological effects

Acute toxicity : Not classified

Estimation de la toxicité aiguë, Oral	> mg/kg
Acute Toxicity Estimate, Dermal	> 2000 mg/kg
Acute Toxicity Estimate, Inhalation	> 2000 mg/kg

1-aminopropan-2-ol (78-96-6)	
LD50 oral rat	> 2000 mg/kg
LD50 dermal rabbit	1851 mg/kg

methyldiethanolamine (105-59-9)	
LD50 oral rat	4680 mg/kg (OECD 401 method)
LD50 dermal rabbit	5990 mg/kg

Skin corrosion/irritation : Causes skin irritation.
pH: 9,85

Serious eye damage/irritation : Causes serious eye damage.
pH: 9,85

Respiratory or skin sensitisation : Not classified
Germ cell mutagenicity : Not classified
Carcinogenicity : Not classified
Reproductive toxicity : Not classified
Specific target organ toxicity (single exposure) : Not classified
Specific target organ toxicity (repeated exposure) : Not classified
Aspiration hazard : Not classified

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Viscosity, kinematic	33 mm²/s (40 °C)

SECTION 12: Ecological information

12.1. Toxicity

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LC50 fish 1	> 100 mg/l (96h)
EC50 Daphnia 1	> 100 mg/l (48h)
EC50 72h algae (1)	> 100 mg/l (72h)

1-aminopropan-2-ol (78-96-6)	
LC50 fish 1	2520 mg/l 96h (Pimephales promelas)
EC50 Daphnia 1	109 mg/l 48h (Daphnia magna Straus)
ErC50 (algae)	32,7 mg/l 72h (Scenedesmus subspicatus)

methyldiethanolamine (105-59-9)	
LC50 fish 1	1466 mg/l (Leuciscus idus, 96h)
EC50 Daphnia 1	233 mg/l (Daphnia magna, 48h)
LC50 fish 2	1000 mg/l (Pimephales promelas, 96h)
ErC50 (algae)	> 100 mg/l (Scenedesmus subspicatus, 72h)

12.2. Persistence and degradability

No additional information available

12.3. Bioaccumulative potential

1-aminopropan-2-ol (78-96-6)	
Bioconcentration factor (BCF REACH)	0,11
Log Pow	-0,93

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Additional information : Do not discharge the product into the environment. Do not flush into surface water or sewer system

SECTION 13: Disposal considerations

13.1. Waste treatment methods

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

European List of Waste (LoW) code : 12 01 10* - synthetic machining oils

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
No dangerous good in sense of transport regulations.(ADR, RID, IMDG, IATA)				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
No supplementary information available				

14.6. Special precautions for user

- Overland transport

No data available

- Transport by sea

No data available

- Air transport

No data available

- Inland waterway transport

Carriage prohibited (ADN) : No

Not subject to ADN : No

- Rail transport

Carriage prohibited (RID) : No

14.7. Transport in bulk according to Annex II of MARPOL 73/78 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

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No additional information available

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1B	Skin corrosion/irritation, Category 1B
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H312	Harmful in contact with skin
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation