Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 15.06.2018 Version n° 9 Revision: 15.06.2018

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

1.1 Product identifier — **N,2,3-trimethyl-2-isopropyl butanamide**
CAS N° 51115-67-4

Trade Name : Fresh'in

INCI Name : Methyl Diisopropyl Propionamide

MINASOLVE Code: PFS0028

REACH Registration number : 01-2120760168-51-0000

1.2 Relevant identified uses of the substance or mixture and uses advised against — Relevant identifies uses : cosmetic ingredient

1.3 Details of the supplier of the safety data sheet

Minasolve S.A.S.
145, Chemin des Lilas
F-59310 Beuvry-la-Forêt
+33 3 20 64 68 30

E-Mail (Writer SDS) sds@minakem.com

1.4 Emergency telephone number:

+33 3 20 64 68 30 (MINAKEM)
+33 1 45 42 59 59 (INRS - ORFILA)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008

GHS07

Acute Tox. 4 H302 Harmful if swallowed.
Eye Irrit. 2 H319 Causes serious eye irritation.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008 — The substance is classified and labelled according to the CLP regulation.

Hazard pictograms

GHS07

Signal word Warning

Hazard statements
H302 Harmful if swallowed.
H319 Causes serious eye irritation.

Precautionary statements P262 Do not get in eyes, on skin, or on clothing.

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P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/ face protection.
P314 Get medical advice/attention if you feel unwell.
P501 Dispose of contents/container in accordance with local/ regional/national/international regulations.

2.3 Other hazards no data available

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SECTION 3: Composition/information on ingredients

3.1 Chemical characterisation: Substances

Chemical Name N,2,3-trimethyl-2-isopropyl butanamide

Identification numbers: EC N° : 256-974-4
CAS N° : 51115-67-4
INDEX N° : -

Concentration: ≥ 99.0%

SECTION 4: First aid measures

4.1 Description of first aid measures

After inhalation: Supply fresh air. If required, provide artificial respiration. Consult doctor if symptoms persist.

After skin contact: Remove contaminated clothes, wash affected area with soap and water and rinse thoroughly.
If skin irritation continues, consult a doctor.

After eye contact: Rinse opened eye for several minutes under running water. Then consult a doctor.

After swallowing: Do not induce vomiting; call for medical help immediately.

4.2 Most important symptoms and effects, both acute and delayed no data available

4.3 Indication of any immediate medical attention and special treatment needed no data available

SECTION 5: Firefighting measures

5.1 Suitable extinguishing agents: CO2, powder or foam

5.2 Special hazards arising from the substance or mixture Formation of toxic gases is possible during heating or in case of fire : CO, NOx.

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5.3 Advice for firefighters

Protective equipment: Wear self-contained respiratory protective device.
Wear fully protective suit.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Use personal protection equipment recommended in section 8

6.2 Environmental precautions: Keep contaminated washing water and dispose of appropriately.
Do not allow to penetrate the ground/soil.

6.3 Methods and material for containment and cleaning up: Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections See Section 13 for disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions: Store at room temperature and dry conditions in well sealed receptacles.

7.3 Specific end use(s) no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters no data available

8.2 Exposure controls
Personal protective equipment:

General protective and hygienic measures: Ensure good ventilation/exhaustion at the workplace.

Respiratory protection : In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
Suitable respiratory protective device recommended : P3 respiratory filter

Protection of hands:

Wear protective gloves

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Material of gloves (recommendation) : Neoprene or nitrile gloves
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.

Eye protection:

Wear safety goggles

Check that an emergency eyewash facility is available near the handling zone

Body protection:

Wear protective work clothing: safety shoes, apron

Check that a security shower is available near the handling zone

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	Crystalline powder
Colour:	White
Odour:	Fresh
Odour threshold:	no data available
pH-value:	no data available
Melting point:	60-64 °C (DSC)
Initial boiling point and boiling range:	no data available
Evaporation rate:	no data available
Flash point:	100 °C (closed cup)
Flammability (solid, gas):	no data available
Decomposition temperature:	no data available
Auto-ignition temperature:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
Oxidising properties:	no data available
Vapour pressure:	no data available
Density:	
Relative density:	no data available
Vapour density:	no data available
Solubility(ies)	
water:	Insoluble.
organic solvents:	Soluble in : Ethanol
Partition coefficient: n-octanol/water:	2.7 log KOW (estimation)
Viscosity:	no data available

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9.2 Other information no data available

SECTION 10: Stability and reactivity

10.1 Reactivity no data available

10.2 Chemical stability

Conditions to be avoided: No decomposition if used and stored according to specifications.
Prolonged exposure to air

10.3 Possibility of hazardous reactions no data available

10.4 Conditions to avoid no data available

10.5 Incompatible materials: Bases
Oxidizing agents
Acids

10.6 Hazardous decomposition products: Formation of toxic gases is possible during heating or in case of fire : CO, NOx.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity Harmful if swallowed.

LD/LC50 values relevant for classification:

Oral	LD50	500-1,000 mg/kg (rat)

Primary irritant effect:

Skin corrosion/irritation Based on available data, the classification criteria are not met.

Serious eye damage/irritation Causes serious eye irritation.

Respiratory or skin sensitisation Based on available data, the classification criteria are not met.

Irritation and corrosivity Eyes : Irritating
Skin : Study of irritant potential on the model of reconstructed epidermis EPISKIN ™ => Not irritating

Sensitisation no data available

Repeated dose toxicity NOEL = 5 mg/kg/day

CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)

Germ cell mutagenicity AMES test (Salmonella Typhimurium) : Negative
In vitro test for gene mutation (cell lymphoma L5178Y mouse) : Negative

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

Reproductive toxicity No effect on reproduction, not teratogenic

STOT-single exposure Based on available data, the classification criteria are not met.

STOT-repeated exposure Based on available data, the classification criteria are not met.

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

SECTION 12: Ecological information

12.1 Toxicity Acute toxicity to fish: LC50 (96h) = 35mg/l
Harmful (prediction).

12.2 Persistence and degradability no data available

12.3 Bioaccumulative potential Due to the distribution coefficient n-octanol/water an accumulation in organisms is not expected.
Log Kow : 2.7

12.4 Mobility in soil Koc = 348.7
Log Koc = 2.542 (prediction)
=> Quite mobile

12.5 Results of PBT and vPvB assessment no data available

12.6 Other adverse effects no data available

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Recommendation Do not allow product to reach sewage system or any water course
Must be specially treated adhering to official regulations.
Incineration according to regulation in force
Do not allow to penetrate the ground/soil

SECTION 14: Transport information

14.2 UN proper shipping name	not applicable
14.3 Transport hazard class(es)	not applicable
14.4 Packing group	not applicable
14.5 Environmental hazards:	not applicable
14.6 Special precautions for user	no data available
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	not applicable
UN "Model Regulation":	Void

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SECTION 15: Regulatory information

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15.1 Safety, health and environmental regulations/ legislation specific for the substance or mixture No further relevant information available.

Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Abbreviations and acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (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 Harmonised System of Classification and Labelling of Chemicals
CAS: Chemical Abstracts Service (division of the American Chemical Society)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 4: Acute toxicity – Category 4
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

*** Data compared to the previous version altered.**