

SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006

Givaudan

PARADISAMIDE

Version 9.0

Revision Date 02 AUG 2024

Print Date 02 OCT 2024

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

1.1 Product identifier

Sales No. : 0025633
PARADISAMIDE

Substance name : 2-ETHYL-N-METHYL-N-(3-METHYLPHENYL)BUTANAMIDE
Identifier

CAS-No. : 406488-30-0
EC-No. : 446-190-2
REACH Registration Number : 01-0000018840-70

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

Intended Use Fragrances : Perfumery ingredient

1.3 Details of the supplier of the safety data sheet

Company :
Givaudan Suisse SA
Chemin de la Parfumerie 5
CH-1214 VERNIER

Telephone : +41227809111
Telefax : +41227809150
E-mail address : global.sds_info@givaudan.com
Responsible/issuing person

Legal Entity : Givaudan France SAS
55 Voie des Bans
F-95102 ARGENTEUIL

1.4 Emergency telephone number

Givaudan 24/7 call : +33172110003

Please refer to section 16 for a full list of emergency phone numbers, from Givaudan's 24/7 provider.

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Acute toxicity, Category 4	H302: Harmful if swallowed.
Acute toxicity, Category 4	H332: Harmful if inhaled.
Skin irritation, Category 2	H315: Causes skin irritation.
Eye irritation, Category 2	H319: Causes serious eye irritation.

Administrative information:

Report Information: SDS_FR/EN/GHS_SDS_EU_CNTRY/44

Sales & Distribution Information: VE01/FR/CH11/01

Shipping Order Information: 31 828 540/27 401 830

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Skin sensitisation, Sub-category 1B	H317: May cause an allergic skin reaction.
Specific target organ toxicity - single exposure, Category 2, Central nervous system	H371: May cause damage to organs if swallowed.
Specific target organ toxicity - single exposure, Category 2, Central nervous system	H371: May cause damage to organs if inhaled.
Specific target organ toxicity - repeated exposure, Category 2, Central nervous system	H373: May cause damage to organs through prolonged or repeated exposure if swallowed.
Long-term (chronic) aquatic hazard, Category 2	H411: Toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms	:	
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Signal word	:	Warning																
Hazard statements	:	<table><tr><td>H302 + H332</td><td>Harmful if swallowed or if inhaled.</td></tr><tr><td>H315</td><td>Causes skin irritation.</td></tr><tr><td>H317</td><td>May cause an allergic skin reaction.</td></tr><tr><td>H319</td><td>Causes serious eye irritation.</td></tr><tr><td>H371</td><td>May cause damage to organs (Central nervous system) if swallowed.</td></tr><tr><td>H371</td><td>May cause damage to organs (Central nervous system) if inhaled.</td></tr><tr><td>H373</td><td>May cause damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.</td></tr><tr><td>H411</td><td>Toxic to aquatic life with long lasting effects.</td></tr></table>	H302 + H332	Harmful if swallowed or if inhaled.	H315	Causes skin irritation.	H317	May cause an allergic skin reaction.	H319	Causes serious eye irritation.	H371	May cause damage to organs (Central nervous system) if swallowed.	H371	May cause damage to organs (Central nervous system) if inhaled.	H373	May cause damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.	H411	Toxic to aquatic life with long lasting effects.
H302 + H332	Harmful if swallowed or if inhaled.																	
H315	Causes skin irritation.																	
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H371	May cause damage to organs (Central nervous system) if inhaled.																	
H373	May cause damage to organs (Central nervous system) through prolonged or repeated exposure if swallowed.																	
H411	Toxic to aquatic life with long lasting effects.																	
Precautionary statements	:	<table><tr><td>Prevention:</td><td></td></tr><tr><td>P260</td><td>Do not breathe mist or vapours.</td></tr><tr><td>P264</td><td>Wash skin thoroughly after handling.</td></tr><tr><td>P273</td><td>Avoid release to the environment.</td></tr><tr><td>P280</td><td>Wear protective gloves/ eye protection/ face protection.</td></tr><tr><td>Response:</td><td></td></tr><tr><td>P304 + P340 + P312</td><td>IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.</td></tr><tr><td>P391</td><td>Collect spillage.</td></tr></table>	Prevention:		P260	Do not breathe mist or vapours.	P264	Wash skin thoroughly after handling.	P273	Avoid release to the environment.	P280	Wear protective gloves/ eye protection/ face protection.	Response:		P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.	P391	Collect spillage.
Prevention:																		
P260	Do not breathe mist or vapours.																	
P264	Wash skin thoroughly after handling.																	
P273	Avoid release to the environment.																	
P280	Wear protective gloves/ eye protection/ face protection.																	
Response:																		
P304 + P340 + P312	IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/ doctor if you feel unwell.																	
P391	Collect spillage.																	

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Hazardous components which must be listed on the label:

- 2-ethyl-N-methyl-N-(3-methylphenyl)butanamide 406488-30-0

2.3 Other hazards

Hazards not Otherwise Classified.

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name	CAS-No. EC-No. REACH Registration Number	Concentration [Percent by weight]	M-Factor, SCL, ATE
2-ethyl-N-methyl-N-(3-methylphenyl)butanamide	406488-30-0 446-190-2 01-0000018840-70	>= 90 - <= 100	Acute toxicity estimate Acute oral toxicity:500 mg/kg Acute inhalation toxicity(dust/mist):> 1 - < 5 mg/l

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice : Do not leave the victim unattended.
Move out of dangerous area.
Show this safety data sheet to the doctor in attendance.

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- | | | |
|-------------------------|---|---|
| If inhaled | : | If unconscious, place in recovery position and seek medical advice.
If symptoms persist, call a physician. |
| In case of skin contact | : | If on skin, rinse well with water.
If on clothes, remove clothes.
Immediately seek medical attention if chemical entered ear canal.
If skin irritation persists, call a physician. |
| In case of eye contact | : | Protect unharmed eye.
Remove contact lenses.
Immediately flush eye(s) with plenty of water.
Keep eye wide open while rinsing.
If eye irritation persists, consult a specialist. |
| If swallowed | : | Immediately consult Poison Control Center or physician.
Keep respiratory tract clear.
Do NOT induce vomiting.
Do not give milk or alcoholic beverages.
Never give anything by mouth to an unconscious person.
If symptoms persist, call a physician. |

4.2 Most important symptoms and effects, both acute and delayed

- | | | |
|----------|---|---|
| Symptoms | : | no data available |
| Risks | : | Harmful if swallowed or if inhaled.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
May cause damage to organs if swallowed.
May cause damage to organs if inhaled.
May cause damage to organs through prolonged or repeated exposure if swallowed. |

4.3 Indication of any immediate medical attention and special treatment needed

- | | | |
|-----------|---|------------------------|
| Treatment | : | Treat symptomatically. |
|-----------|---|------------------------|

SECTION 5: Firefighting measures

5.1 Extinguishing media

- | | | |
|--------------------------------|---|--|
| Suitable extinguishing media | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | : | High volume water jet |

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5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.
Cool closed containers exposed to fire with water spray.
Do not allow run-off from fire fighting to enter drains or water courses.

5.3 Advice for firefighters

Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.

Further information : In the event of fire and/or explosion do not breathe fumes.
Collect contaminated fire extinguishing water separately. This must not be discharged into drains.
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Keep people away from and upwind of spill/leak.
In the case of vapour formation use a respirator with an approved filter.
For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.
Material can create slippery conditions.
Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean contaminated floors and objects thoroughly while observing environmental regulations.
Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

Not applicable

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SECTION 7: Handling and storage

7.1 Precautions for safe handling

- Advice on safe handling : Persons susceptible to skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.
Do not breathe vapours/dust.
Avoid exposure - obtain special instructions before use.
Avoid contact with skin and eyes.
For personal protection see section 8.
Smoking, eating and drinking should be prohibited in the application area.
Dispose of rinse water in accordance with local and national regulations.
- Advice on protection against fire and explosion : Normal measures for preventive fire protection.
- Temperature class : no data available
- Fire-fighting class : no data available
- Dust explosion class : no data available

7.2 Conditions for safe storage, including any incompatibilities

- Requirements for storage areas and containers : Keep container tightly closed in a dry and well-ventilated place.
Containers which are opened must be carefully resealed and kept upright to prevent leakage.
Electrical installations / working materials must comply with the technological safety standards.
- Further information on storage conditions : Store Ambient 10-30°C (50-85°F)
Dry, well ventilated, preferably full, hermetically sealed
- Advice on common storage : Protect against light.Warm (40°C/ 105°F max) if required and mix well before use
- Storage class (TRGS 510) : 10 Combustible liquids
- Other data : No decomposition if stored and applied as directed.

7.3 Specific end use(s)

- Specific use(s) : no data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

8.2 Exposure controls

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Exposure assessment: Exposures are dependent on the product being handled, the potential for chemical release, and any resulting airborne concentrations or dermal contact. Since product handling and release scenarios vary, and no two workplaces are exactly alike, it is recommended that the potential for exposure be assessed prior to the product's use or introduction. Exposure assessments should be performed by an occupational hygienist, industrial hygienist, or other qualified occupational or environmental health professional. An exposure assessment should be conducted to determine the efficacy of any ventilation and the need for additional PPE. The PPE indicated below are recommendations for worst-case scenario exposures. An exposure assessment will identify more applicable measures to be implemented. EN and ANSI standards are mentioned in the following recommendations, consult equivalent local standards when required.

PPE is always the last resort to avoid exposure. In any case technical and organisational measures have to be explored and used prior to the selection of PPE. The PPE selection is for operators trained to work with chemicals according to good industrial hygiene and safety practice. Operators have to be trained on the use of PPE.

8.2.1 Engineering measures

Use engineering controls to maintain airborne levels below exposure limit requirements or guidelines. If there are no applicable exposure limit requirements or guidelines, use the product only with adequate ventilation.

8.2.2 Personal protective equipment

- | | |
|------------------------|--|
| Eye/face protection | : Use safety goggles and faceshield tested according to EN 166/ ANSI Z87.1 or equivalent local standard. |
| Hand protection | : Use gloves when handling substance in open systems. Inspect gloves prior to use. Train operators for proper use. If only incidental exposure is expected: (work without direct contact to substance) use gloves tested according EN 16523-1/ASTM F739 or equivalent local standard breakthrough times at least 10 minutes, tested for chemicals indicated in chapter 3 of this SDS. Change gloves frequently. If direct skin contact is expected: use gloves tested according to EN 16523-1/ASTM F739 or equivalent local standard, tested for chemicals indicated in chapter 3 of this SDS. Permeation time must exceed contact time. |
| Other skin protection | : Wear working clothes covering arms and legs. The type of protective equipment must be selected according to the concentration and amount of the hazardous substance at the specific workplace. Use apron and sleeve covers or complete chemical suit if exposure is expected. |
| Respiratory protection | : Respiratory protection should be worn when workplace exposures exceed exposure limit requirements or guidelines. If there are no applicable exposure limits or guidelines, use an approved respirator where there is a potential for adverse |

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effects, including but not limited to respiratory irritation or odor, or where indicated by the exposure assessment. Selection of air-purifying or positive-pressure supplied-air will depend on the results of the exposure assessment which includes an evaluation of the specific operations and the potential airborne concentrations. For emergency conditions, use an approved positive-pressure self-contained breathing apparatus.

In case a risk analysis proved the cartridge respirator as acceptable, use type:
ABEK-P3 (EN 14387) OR Combination Multi-gas/P100 (42CFR84.193; ANSI Z88.7 or equivalent local standard) as a backup to engineering controls.

In absence of engineering controls, use self-contained breathing apparatus or full face supplied air respirators. Use respirators and components tested and approved under appropriate government standards such as CEN (EU) or NIOSH 42 CFR 84(US).

Thermal hazards : Wear appropriate thermal protective clothing, when necessary.

Hygiene measures : Remove contaminated clothing and protective equipment before entering eating areas.
Do not eat, drink or smoke during work.
Wash hands any time after handling the product.

8.2.3 Environmental exposure controls

General advice : Prevent product from entering drains.
If the product contaminates rivers and lakes or drains inform respective authorities.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: liquid
Form	: Liquid, may crystallize
Colour	: colorless to Very slightly yellow
Taste	: not determined
Odour	: fruity, Fresh, Grapefruit
Odour Threshold	: 1,2301 ng/l
Flash point	: 135 °C Method: closed cup Regulation (EC) No. 440/2 008, Annex, A.9
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability	: Not flammable
Particle size	: no data available
Oxidizing properties	: The substance or mixture is not classified as oxidizing.

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Information taken from reference works and the literature.

Auto-ignition temperature	: > 400 °C Method: A15
Decomposition temperature	: no data available
Molecular weight	: 219,00 g/mol
pH	: no data available
Melting point	: < -50 °C
	Method: OECD Test Guideline 102
Boiling point	: 286 °C
	Method: OECD Test Guideline 103
Vapour pressure	: 0,0038 hPa at 25 °C
	Method: Regulation (EC) No. 440/2008, Annex, A.4
Density	: 968,25 kg/m ³ at 20 °C
	Method: OECD Test Guideline 109
Bulk density	: Not applicable
Water solubility	: 909 mg/l at 20 °C
	Method: OECD Test Guideline 105
Solubility/qualitative	: Very slightly soluble
Partition coefficient: n-octanol/water	: log Pow: 3,2
	Method: OECD Test Guideline 117
Viscosity, kinematic	: no data available
Relative vapour density	: no data available
Surface tension	: 41,1 mN/m Method: OECD Test Guideline 115
Evaporation rate	: no data available
Explosive properties	: no data available

9.2 Other information

Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity

No decomposition if stored and applied as directed.

10.2 Chemical stability

No decomposition if stored and applied as directed.

10.3 Possibility of hazardous reactions

Hazardous reactions : No decomposition if stored and applied as directed.

10.4 Conditions to avoid

Conditions to avoid : no data available

10.5 Incompatible materials

Materials to avoid : Not applicable

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10.6 Hazardous decomposition products

Hazardous decomposition products : no data available
Thermal decomposition : no data available

SECTION 11: Toxicological information

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

Acute toxicity

Acute oral toxicity : LD50 Rat
Dose: 500 mg/kg
Method: OECD Test Guideline 423

Acute inhalation toxicity : LC50 Rat
Exposure time: 4 h
Dose: 1,00 - 5,00 mg/l
Method: OECD Test Guideline 436

Acute inhalation toxicity :

Acute dermal toxicity : LD50 Rat
Dose: > 2 000 mg/kg
Method: OECD Test Guideline 402

Acute toxicity (other routes of administration) : No data is available on the product itself.

Skin corrosion/irritation

Skin irritation : Species: Rabbit
Skin irritation
Method: OECD Test Guideline 404
May cause skin irritation and/or dermatitis.

Serious eye damage/eye irritation

Eye irritation : Species: Rabbit
Eye irritation
Method: OECD Test Guideline 405
Vapours may cause irritation to the eyes, respiratory system and the skin.

Respiratory or skin sensitisation

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Sensitisation : LLNA Mouse
Classification: The product is a skin sensitiser, sub-category 1B.
Result: Causes sensitisation.
Method: OECD Test Guideline 429

HRIPT Human
Result: Not sensitizing
at 6,5 % in Ethanol / Diethyl phthalate

Germ cell mutagenicity

Genotoxicity in vitro : Ames test
In vitro
negative
Method: Mutagenicity (Salmonella typhimurium - reverse mutation assay)

Chromosome aberration test in vitro
In vitro
negative
Method: Mutagenicity (in vitro mammalian cytogenetic test)

Ames test
In vitro
negative
Method: Mutagenicity (Escherichia coli - reverse mutation assay)

Carcinogenicity

Carcinogenicity : No data is available on the product itself.

Reproductive toxicity

Not classified due to lack of data.

Target Organ Systemic Toxicant - Single exposure

Target Organ Systemic Toxicant - Single exposure : No data is available on the product itself.

Target Organ Systemic Toxicant - Repeated exposure

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Target Organ Systemic : Species: Rat, females
Toxicant - Repeated Application Route: Oral
exposure NOAEL: 15 mg/kg
Method: OECD Test Guideline 407
Repeated dose (28 days) toxicity (oral)

Target Organ Systemic Toxicant - Repeated exposure Aspiration hazard

Aspiration toxicity : No data is available on the product itself.

Phototoxicity

Phototoxicity : No data is available on the product itself.

Further information : no data available

11.2 Information on other hazards

Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Further information

Product:

Remarks : no data available

SECTION 12: Ecological information

12.1 Toxicity

Product:

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): 6,8 mg/l
Exposure time: 96 h
Method: OECD Test Guideline 203
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): 22 mg/l
aquatic invertebrates Exposure time: 48 h
Method: OECD Test Guideline 202
GLP: yes

Administrative information:

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Toxicity to algae/aquatic plants : NOEC (Desmodesmus subspicatus (green algae)): 12,5 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

ErC50 (Desmodesmus subspicatus (green algae)): 30 mg/l
Exposure time: 72 h
Method: OECD Test Guideline 201
GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity) : NOEC: 3,2 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea)
Method: OECD Test Guideline 211
GLP: yes

Toxicity to microorganisms : EC50 : 360 mg/l
Exposure time: 3 h
Method: OECD Test Guideline 209
GLP: yes

Ecotoxicology Assessment

Acute aquatic toxicity : Toxic to aquatic life.

Chronic aquatic toxicity : Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability

Product:

Biodegradability : Result: Not inherently biodegradable.
Biodegradation: 6 %
Exposure time: 31 d
Method: OECD Test Guideline 302 C
GLP: yes

Result: Not readily biodegradable.
Biodegradation: 0 %
Exposure time: 28 d
Method: OECD Test Guideline 301 B
GLP: yes

12.3 Bioaccumulative potential

no data available

12.4 Mobility in soil

Product:

Distribution among environmental compartments : OECD Test Guideline 121
log Koc: 2,83

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Method: OECD Test Guideline 121

12.5 Results of PBT and vPvB assessment

Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

12.7 Other adverse effects

Product:

Additional ecological information : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.
Toxic to aquatic life with long lasting effects.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Product : Send to a licensed waste management company.
Dispose of in accordance with local, state and federal regulations.
The product should not be allowed to enter drains, water courses or the soil.
Do not contaminate ponds, waterways or ditches with chemical or used container.

Contaminated packaging : Do not expose containers to high temperatures such as in hot work processes.
Empty remaining contents.
Dispose of as unused product.
Do not re-use empty containers.

Dispose of in accordance with local regulations.

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SECTION 14: Transport information

14.1 UN number

ADR : UN 3082
RID : UN 3082
IMDG : UN 3082
IATA : UN 3082

14.2 UN proper shipping name

ADR : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(2-Ethyl-N-methyl-N-(3-methylphenyl)butanamide)
RID : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(2-Ethyl-N-methyl-N-(3-methylphenyl)butanamide)
IMDG : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID,
N.O.S.
(2-Ethyl-N-methyl-N-(3-methylphenyl)butanamide)
IATA : Environmentally hazardous substance, liquid, n.o.s.
(2-Ethyl-N-methyl-N-(3-methylphenyl)butanamide)

14.3 Transport hazard class(es)

ADR : 9
RID : 9
IMDG : 9
IATA : 9

14.4 Packing group

ADR : III
RID : III
IMDG : III
IATA : III

14.5 Environmental hazards

ADR
Environmentally hazardous : yes
RID
Environmentally hazardous : yes
IMDG
Marine pollutant : yes
IATA (Passenger)

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Environmentally hazardous : yes

IATA (Cargo)

Environmentally hazardous : yes

14.6 Special precautions for user

ADR

Tunnel restriction code : (-)

IMDG

IMDG Code Segregation : None
Group

14.7 Maritime transport in bulk according to IMO instruments

Not applicable for product as supplied.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59) : Neither banned nor restricted

Major Accident Hazard : ENVIRONMENTAL HAZARDS

Legislation E2
Quantity 1: 200 t
Quantity 2: 500 t

Water hazard class : WGK 2 obviously hazardous to water
(Germany) Code Number: 8 689

15.2 Chemical safety assessment

A Chemical Safety Assessment is not required for this substance.

SECTION 16: Other information

Full list of Emergency response numbers worldwide.

	Country	Phone nr		Country	Phone nr
Europe	All Europe	+44 1235 239670	APAC	All East/South East Asia	+65 3158 1074
	France	+33 1 72 11 00 03		Sri Lanka	+65 3158 1195
	Germany	+49 89 220 61012		Taiwan	+886 2 8793 3212
	Spain	+34 91 114 2520		Japan	0120 015 230

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	Italy	800 699 792		Indonesia	007 803 011 0293
	Netherlands	+31 10 713 8195		Malaysia	+60 3 6207 4347
	Turkey	0800 621 2139 +44 1235 239670		Thailand	001 800 120 666 751
	Norway	+47 2103 4452		India	+65 3158 1198 000 800 100 7479
	Greece	+30 21 1198 3182		Pakistan	+65 3158 1329
	Portugal	+351 30880 4750		Bangladesh	+65 3158 1200
	Denmark	+45 8988 2286		Philippines	+63 2 8231 2149
	Sweden	+46 8 566 42573		Vietnam	+84 28 4458 2388
	Poland	+48 22 307 3690		Korea	+65 3158 1285
	Czech republic	+420 228 882 830		South Korea	+82 2 3479 8401
	Finland	+358 9 7479 0199		Australia	+61 2 8014 4558
				New Zealand	+64 9 929 1483
Middle East/Africa	All Middle East/Africa	+44 1235 239671	LATAM	China	+86 532 8388 9090
	Bahrain and Middle East	+44 1235 239671		Mexico	+52 55 5004 8763
	Africa/South Africa	+27 21 300 2732		Brazil	+55 11 3197 5891
NOAM	USA and Canada	+1 866 928 0789		Chile	+56 2 2582 9336
	USA and Canada	+1 215 207 0061		Colombia	+57 1 508 7337
	USA and Canada	+1 202 464 2554		Argentina	+54 11 5984 3690
Global	Global	+44 1865 407333			

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Key or legend to abbreviations and acronyms used in the safety data sheet

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - Agreement concerning the International Carriage of Dangerous Goods by Road; AIIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TECI - Thailand Existing Chemicals Inventory; TRGS - Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Information displayed in section 3 (Composition/information on ingredients) is additional information to understand the hazards of the product and ensure safe handling, storage and transportation. This information, including CAS numbers, is not meant to be used for registration, notification or any other purposes. Any additional information and documentation needed may be provided by Givaudan.

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