

Product GALAXOLIDE PURE-IFF

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1. Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Company IFF (GREAT BRITAIN) LTD
 DUDDERY HILL
 CB9 8LG HAVERHILL
 United Kingdom
 Telephone +441440715000
 Telefax +441440762199 sds@iff.com
 E-mail address
 Responsible/issuing person

1.4 Emergency telephone number

: GALAXOLIDE PURE-IFF
 : 01-2119488227-29-0000
 Trade name Registration number : R00000222209
 SDS Number Substance name : 1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
 Substance No. : 214-946-9

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

Use of the Substance/Mixture : GES1 Formulation of fragrance compounds (mixing of fragrance substances into fragrance compounds)

1.3 Details of the supplier of the safety data sheet

Refer to section 16 for country specific emergency contact number.

2. Hazards identification

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Chronic aquatic toxicity, Category 1 H410: Very toxic to aquatic life with long lasting effects.
 Acute aquatic toxicity, Category 1 H400: Very toxic to aquatic life.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



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Signal word Warning

Hazard statements : H410 Very toxic to aquatic life with long lasting effects.

Precautionary statements : **Prevention:** P273 Avoid release to the environment.
Response: P391 Collect spillage.
Disposal: P501 Dispose of contents/ container to an approved waste disposal plant.

2.3 Other hazards

None reasonably foreseeable.

3. Composition/information on ingredients

3.1 Substances

Chemical name of the substance 1,3,4,6,7,8- hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran
 Chemical characterization pyran and derivatives
 Molecular formula C₁₈H₂₆O
 Molecular weight CAS-No. 258,40 g/mol
 EINECS-No. 1222-05-5
 REACH No. 214-946-9
 01-2119488227-29-0000

Hazardous components

Chemical name	CAS-No. EC-No.	GHS Classification	Concentration [%]
1.3.4.6.7.8- hexahydro-4.6.6.7.8.8-hexamethylindeno[5.6-c]pyran	1222-05-5 214-946-9	Aquatic Chronic1; H410 Aquatic Acute1; H400	90 - 100

For the full text of the R-phrases mentioned in this Section, see Section 16.

3.2 Mixtures

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Not applicable, product is a substance.

4. First aid measures

4.1 Description of first aid measures

General advice	: Take Risk/Hazard and Safety/Precautionary phrases (section 2 or 15) into account.
If inhaled	: Remove from exposure site to fresh air and keep at rest. If victim is unconscious, remove foreign bodies from the mouth. If victim has stopped breathing, give artificial respiration. Obtain medical advice.
In case of skin contact	: Remove contaminated clothes. Wash thoroughly with water (and soap). Contact physician if symptoms persist.
In case of eye contact	: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.
If swallowed	: Rinse mouth with water and obtain medical advice.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms	: No information available.
Risks	: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Treatment	: No information available.
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5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media	: Carbondioxide, dry chemical, foam.
Unsuitable extinguishing media	: Do not use a direct waterjet on burning material.

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	: Water may be ineffective.
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5.3 Advice for firefighters

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Further information : Standard procedure for chemical fires.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions : Avoid inhalation and contact with skin and eyes. A self-contained breathing apparatus is recommended in case of a major spill.

6.2 Environmental precautions

Environmental precautions : Keep away from drains, surface- and groundwater and soil.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up : Clean up spillage promptly. Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Gross spillages should be contained by use of sand or inert powder and disposed of according to the local regulations.

6.4 Reference to other sections

Prevent spreading over a wide area (e.g. by containment or oil barriers).

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling : Avoid excessive inhalation of concentrated vapors. Follow good manufacturing practices for housekeeping and personal hygiene. Wash any exposed skin immediately after any chemical contact, before breaks and meals, and at the end of each work period. Contaminated clothing and shoes should be thoroughly cleaned before re-use.

If appropriate, procedures used during the handling of this material should also be used when cleaning equipment or removing residual chemicals from tanks or other containers, especially when steam or hot water is used, as this may increase vapor concentrations in the workplace air. Where chemicals are openly handled, access should be restricted to properly trained employees. Keep all heated processes at the lowest necessary temperature in order to minimize emissions of volatile chemicals into the air.

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Advice on protection against fire and explosion : Keep away from ignition sources and naked flame.

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7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas : Store in a cool, dry, ventilated area away from heat sources. Keep and containers containers upright and tightly closed when not in use.

7.3 Specific end use(s)

Specific use(s) Industrial use, Professional use

8. Exposure controls/personal protection

8.1 Control parameters

Contains no substances with occupational exposure limit values.

DNEL

1,3,4,6,7,8-hexahydro-
4,6,6,7,8,8-

hexamethylindeno[5,6-c]pyran

: End Use: Workers

Exposure routes: Skin contact

Potential health effects: Long-term systemic effects

Exposure time: 8 h

Value: 60 mg/kg bw/day

End Use: Workers

Exposure routes: Inhalation

Potential health effects: Long-term systemic effects

Exposure time: 8 h

Value: 22 mg/m3

End Use: General population

Exposure routes: Inhalation

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Potential health effects: Long-term systemic effects

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Exposure time: 8 h
Value: 6,5 mg/m³

End Use: General population
Exposure routes: Skin contact
Potential health effects: Long-term systemic effects
Exposure time: 8 h
Value: 36 mg/kg bw/day

End Use: General population
Exposure routes: Ingestion
Potential health effects: Long-term systemic effects
Exposure time: 8 h
Value: 3,8 mg/kg bw/day

PNEC
1,3,4,6,7,8- hexahydro- : Fresh water
4,6,6,7,8,8-
hexamethylindeno[5,6-c]pyran
Value: 0,0044 mg/l

Marine water
Value: 0,00044 mg/l

Fresh water sediment
Value: 2 mg/kg dry weight (d.w.)

Marine sediment
Value: 0,394 mg/kg dry weight (d.w.)

Soil
Value: 0,31 mg/kg dry weight (d.w.)

8.2 Exposure controls

Engineering measures

Where appropriate, use closed systems to transfer and process this material.
If appropriate, isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant.

Personal protective equipment

Respiratory protection : Provide extraction ventilation at points where emissions occur.

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Hand protection	: Refer to attached exposure scenario in the Annex.
Eye protection	: Refer to attached exposure scenario in the Annex.
Hygiene measures	: Handle in accordance with good industrial hygiene and safety practice.

General advice : Keep away from drains, surface- and groundwater and soil.

9.1 Information on basic physical and chemical properties

Appearance	: liquid at 20 °C (1.013 hPa)
Colour	: colorless
Odour	: conforms to standard
Odour Threshold	: not determined
Flash point	: 144 °C
Lower explosion limit	: not determined
Upper explosion limit	: not determined
Flammability (solid, gas)	: not determined
Oxidizing properties	: not determined
Auto-ignition temperature	: > 200 °C
pH	: not determined
Melting point	: < 20,00 °C
Boiling point	: 330,00 °C at 1.013 hPa
Vapour pressure	: 0,000727 hPa at 25 °C Method: OECD Test Guideline 104
Density	: 1,0025 g/cm3 at 20 °C
Water solubility	: 0,00165 g/l at 25 °C Method: OECD Test Guideline 105
Partition coefficient: n-octanol/water	: log Pow: 5,300
Solubility in other solvents	: not determined
Viscosity, dynamic	: not determined
Viscosity, kinematic	: not determined

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Relative vapour density : not determined
Evaporation rate : not determined

9.2 Other information

Refractive index : not determined
Relative density : 1,0025

10. Stability and reactivity

10.1 Reactivity

No hazards to be specially mentioned.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions : Note: Presents no significant reactivity hazard, by itself or in contact with water. Avoid contact with strong acids, alkali or oxidizing agents.

10.4 Conditions to avoid

Conditions to avoid : Direct sources of heat.

10.5 Incompatible materials

Materials to avoid : Avoid contact with strong acids, alkali or oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products : Carbon monoxide and unidentified organic compounds may be formed during combustion.

11. Toxicological information

11.1 Information on toxicological effects**Acute toxicity**

Acute oral toxicity : LD50: > 4.640 mg/kg
Species: Rat
Method: OECD Test Guideline 401
Test substance: (undiluted)

Acute dermal toxicity : LD50: > 6.500 mg/kg

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Species: Rat
Method: OECD Test Guideline 402
Test substance: (undiluted)

Skin corrosion/irritation

Skin irritation : No information available.
Skin irritation : Species: Rabbit
Result: No skin irritation
Method: OECD Test Guideline 404
Exposure time: 168 h

Serious eye damage/eye irritation

No information available.
Eye irritation : Species: Rabbit
Result: No eye irritation
Method: OECD Test Guideline 405

Respiratory or skin sensitisation

No information available.
Sensitisation : maximisation study
Species: Guinea pig
Result: Did not cause sensitisation on laboratory animals.
Method: Magnusson-Kligman
Test substance: 100%

Germ cell mutagenicity

No information available.
Genotoxicity in vitro : Ames test
Result: negative
Method: Mutagenicity (Escherichia coli - reverse mutation assay)
: Chromosome aberration test in vitro
Result: negative
Method: OECD 473

Carcinogenicity

No information available.

Reproductive toxicity

No information available.

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Teratogenicity

: Species: Rat Application Route: Oral Method: OECD 414

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Target Organ Systemic Toxicant - Single exposure

No information available.

Target Organ Systemic Toxicant - Repeated exposure

No information available.

: Species: Rat, male and female Application Route: Oral Exposure time:
90-day () Number of exposures: 1x /day NOEL: ≥ 150 mg/kg
Method: OECD 408

Aspiration hazard No information available.

12.1 Toxicity

Toxicity to fish

: LC50: 0,452 mg/l
Exposure time: 21 d

Species: Lepomis macrochirus (Bluegill sunfish) flow-through test
Method: OECD Test Guideline 204

Toxicity to daphnia and other aquatic invertebrates

: EC50: 0,9 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea) semi-static test Method: OECD
Test Guideline 202

Toxicity to algae

: ErC50: $> 0,854$ mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae) static test
Method: OECD Test Guideline 201

: EbC50: 0,723 mg/l
Exposure time: 72 h
Species: Pseudokirchneriella subcapitata (green algae) static test
Method: OECD Test Guideline 201

12. Ecological information



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Toxicity to fish (Chronic toxicity)

: NOEC: 0,068 mg/l
Exposure time: 36 d
Species: Pimephales promelas (fathead minnow) flow-through test
Method: OECD 210

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity)

: NOEC: 0,111 mg/l
Exposure time: 21 d
Species: Daphnia magna (Water flea) semi-static test
Method: OECD 211

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12.2 Persistence and degradability No information available.

Biodegradability

: Result: Not readily biodegradable.
2 %
Method: Modified Sturm Test

12.3 Bioaccumulative potential No information available.

Bioaccumulation

: Species: Lepomis macrochirus (Bluegill sunfish) Exposure time: 28 d
Bioconcentration factor (BCF): 1.584
Method: OECD 305

12.4 Mobility in soil

12.5 Results of PBT and vPvB 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 Other adverse effects

No information available.

13. Disposal considerations

13.1 Waste treatment methods

Product

: Dispose of according to local regulations. Avoid disposing into

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drainage systems and into the environment.

14. Transport information

ADR

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(HEXAMETHYLINDANOPYRAN)
Labels : 9
Packing group : III
Environmentally hazardous : yes

IATA

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(HEXAMETHYLINDANOPYRAN)
Labels : 9
Packing group : III
Environmentally hazardous : yes

IMDG

UN number : 3082
Description of the goods : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(HEXAMETHYLINDANOPYRAN)
Labels : 9
Packing group : III
Marine pollutant : yes (HEXAMETHYLINDANOPYRAN)

No special precautions required.

Special precautions for : user

15. Regulatory information

WGK 2 water endangering
Classification according to appendix 3

Contaminated packaging : Empty containers should be taken to
an approved waste handling site for recycling or disposal.

15.2 Chemical safety assessment

A Chemical Safety Assessment has been carried out for this substance.

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

Water contaminating class
(Germany)

Telephone: +441440715000
Telefax: +441440762199



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16. Other information

Full text of H-Statements referred to under sections 2 and 3.

H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.

Further information

In December 2003, the National Institute for Occupational Safety and Health ("NIOSH") published an Alert on preventing lung disease in workers who use or make flavorings [NIOSH Publication Number 2004-110]. In August 2004, the United States Flavor and Extract Manufacturers Association (FEMA) issued a report entitled "Respiratory Safety in the Flavor Manufacturing Workplace".

Both of these reports provide recommendations for reducing employee exposure and for medical surveillance in the workplace. The recommendations in these reports are generally applicable to the use of any chemical in the workplace and you are strongly urged to review both of these reports.

The report published by FEMA also contains a list of "high priority" chemicals. If any of these chemicals are present in this product at a concentration $\geq 1.0\%$ due to an intentional addition by IFF, the chemical(s) will be identified in this safety data sheet.

According to Regulation (EC) No. 1907/2006 the information in this safety data sheet is based on the properties of the material known to IFF at the time the data sheet was issued. The safety data sheet is intended to provide information for a health and safety assessment of the material and the circumstances, under which it is packaged, stored or applied in the workplace. For such a safety assessment International Flavors & Fragrances holds no responsibility. This document is not intended for quality assurance purposes.

Emergency telephone number

Austria	+43 1 406 43 43
Belgium	+32 70 245 245
Bulgaria	+359 2 9154 233
Croatia	(+385 1) 2348342
Czech Republic	+420 224 919 293 / +420 224 915 402
Denmark	+45 82 12 12 12
Estonia	16662 (National), International (+372) 626 93 90
Finland	+3589471977
France	+ 33 (0)1 45 42 59 59
Germany	+31 13 4642 211
Greece	+31 13 4642 211

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Hungary	(+36-80) 201-199
Iceland	+354 543 2222
Ireland	+353 1 8092566 / +353 1 8379964
Italy	+39 06 68593726
Latvia	+37167042473
Lithuania	+370 5 236 20 52 or +370 687 53378
Luxembourg	+352 8002 5500
Malta	+356 21224071
Netherlands	+31 30 2748888 (Only for the purpose of informing medical personnel in cases of acute intoxications).
Norway	+47 22 59 13 00
Poland	+31 13 4642 211
Portugal	808 250 143
Poland	+31 13 4642 211
Portugal	808 250 143
Romania	+31 13 4642 211
Slovakia	+31 13 4642 211
Slovenia	+31 13 4642 211
Spain	+34 91 562 04 20 (only for the purpose of informing medical personnel in cases of acute intoxications).
Sweden	+46 112
United Kingdom	For medical professionals only +44 845 46 47 (England and Wales) + 44 8454 24 24 24 (Scotland)

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1. **Compounding of fragrance mixtures**

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1. Short title of Exposure Scenario: Compounding of fragrance mixtures

Main User Groups : **SU 3:** Industrial uses: Uses of substances as such or in preparations at industrial sites

Sector of use : **SU 3, SU 10:** Industrial uses: Uses of substances as such or in preparations at industrial sites, Formulation

Process category : **PROC1:** Use in closed process, no likelihood of exposure
PROC2: Use in closed, continuous process with occasional controlled exposure
PROC3: Use in closed batch process (synthesis or formulation)
PROC5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/ or significant contact)
PROC8a: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at non-dedicated facilities
PROC8b: Transfer of substance or preparation (charging/ discharging) from/ to vessels/ large containers at dedicated facilities **PROC15:** Use as laboratory reagent

Environmental release category : **ERC2:** Formulation of preparations

2.1 Contributing scenario controlling environmental exposure for: ERC2

Product characteristics

Concentration of the Substance in Mixture/Article : Covers the percentage of the substance in the product up to 100 % (unless stated differently).

Amount used

: 99 kg (Large/medium site)
Daily amount per site Annual : 25290 kg (Large/medium site)
amount per site Daily amount per : 30 kg (Small site)
site Annual amount per site : 7425 kg (Small site)

Environment factors not influenced by risk management

Flow rate : 18.000 m3/d

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Other given operational conditions affecting environmental exposure

Continuous exposure

Number of emission days per year : 250

Technical conditions and measures / Organizational measures

Water

: The residue present in mixing vessels before washing is minimized in order to reduce the loss of fragrance compound to waste water during cleaning of the vessels. (Effectiveness:) Release of substance from empty containers / packaging material and from contaminated material to water and soil is controlled, e. g. by:

- recycling
- dedicated use without cleaning
- specialized cleaning by contractors
- discharge of empty containers and containers containing residues as hazardous waste
- discharge of materials used to clean up spills as hazardous waste.

(Effectiveness:)

Measures are taken to prevent emission to surface water in case of spills / incidents, e. g.:

- Closed sinks/ basins to prevent discharge to waste- and/or surface water (E11.01)
- Hard impervious surfaced areas (E11.02)
- Isolated drainage to prevent discharge to soil (E11.03)

(Effectiveness:)

Release to water is 0.2%, when physical-chemical treatment is included and additional effectiveness of 70% can be assumed. (Effectiveness:)

Conditions and measures related to municipal sewage treatment plant

Type of Sewage Treatment Plant : Municipal sewage treatment plant : 2.000 m3/d

Flow rate of sewage treatment plant

effluent : 72,3 %

Effectiveness (of a measure) Sludge : Disposal

Treatment

2.2 Contributing scenario controlling worker exposure for: PROC1, PROC2, PROC3, PROC5, PROC8a, PROC8b, PROC15

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Product characteristics

Concentration of the Substance in Mixture/Article Covers the percentage of the substance in the product up to 100 % (unless stated differently).
Physical Form (at time of use) : Liquid substance

Frequency and duration of use

Frequency of use : Up to 8 hours/day

Human factors not influenced by risk management

Exposed skin area : One hand face only (240 cm²)(PROC1, PROC3, PROC15)
Exposed skin area : Two hands face (480 cm²)(PROC2, PROC5, PROC8b)
Exposed skin area : Two hands (960 cm²)(PROC8a)

Other operational conditions affecting workers exposure

Outdoor / Indoor : Indoor

Technical conditions and measures

Provide extraction ventilation at points where emissions occur.

Conditions and measures related to personal protection, hygiene and health evaluation

Wear chemically resistant gloves (tested to EN374) in combination with 'basic' employee training.

3. Exposure estimation and reference to its source

Environment

Contributing Scenario	Exposure Assessment Method	Specific conditions	Compartment	Value type	Level of Exposure	Risk characterisation ratio (PEC/PNEC):
ERC2	EUSES		Fresh water		0.059kg/day	0,185
ERC2	EUSES		Fresh water sediment		0.059kg/day	1
ERC2	EUSES		Marine water		0.059kg/day	0,188
ERC2	EUSES		Marine sediment		0.059kg/day	0,515

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ERC2	EUSES	Large/medium site	Air		0.059kg/day	
ERC2	EUSES	Large/medium site	Soil		0.010kg/day	0.318
ERC2	EUSES	Small site	Air		0.018kg/day	
ERC2	EUSES	Small site	Soil		0.003kg/day	0.318

Workers

Contributing Scenario	Exposure Assessment Method	Specific conditions	Value type	Level of Exposure	Risk characterisation ratio (PEC/PNEC):
PROC1	Advanced REACH tool		Inhalation, systemic, long-term	0.0015 mg/m3	0.0002
PROC1	ECETOC TRA		Dermal, systemic, long-term	0.343 mg/kg bw/day	0.008
PROC2	Advanced REACH tool		Inhalation, systemic, long-term	0.0015 mg/m3	0.0002
PROC2	ECETOC TRA		Dermal, systemic, long-term	1.371 mg/kg bw/day	0.031
PROC3	Advanced REACH tool		Inhalation, systemic, long-term	0.006 mg/m3	0.0007
PROC3	ECETOC TRA		Dermal, systemic, long-term	0.343 mg/kg bw/day	0.008
PROC5	Advanced REACH tool	Mixing, Transfer and manual filling	Inhalation, systemic, long-term	0.042 mg/m3	0.005
PROC5	Advanced REACH tool	Weighing and mixing	Inhalation, systemic, long-term	0.185 mg/m3	0.023
PROC5	ECETOC TRA	Mixing, Transfer and manual filling	Dermal, systemic, long-term	9.6 mg/kg bw/day	0.216
PROC5	ECETOC TRA	Weighing and mixing	Dermal, systemic, long-term	1.371 mg/kg bw/day	0.031
PROC8a	Advanced REACH tool	Discharging of vessels, pumping	Inhalation, systemic, long-term	0.037 mg/m3	0.005
PROC8a	ECETOC TRA	Discharging of vessels, pumping	Dermal, systemic, long-term	9.6 mg/kg bw/day	0.022
PROC8a	Advanced REACH tool	Washing equipment	Inhalation, systemic, long-term	0.2 mg/m3	0.009
PROC8a	ECETOC TRA	Washing equipment	Dermal, systemic, long-term	0.422 mg/kg bw/day	0.008
PROC8b	Advanced REACH tool		Inhalation, systemic, long-term	0.2 mg/m3	0.025
PROC8b	ECETOC TRA		Dermal, systemic, long-term	0.263 mg/kg bw/day	0.006
PROC9	Advanced REACH tool		Inhalation, systemic, long-term	0.2 mg/m3	0.025

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PROC9	ECETOC TRA		Dermal, systemic, long-term	0,263 mg/kg bw/day	0,006
PROC15	Advanced REACH tool		Inhalation, systemic, long-term	0,057 mg/m ³	0,007
PROC15	ECETOC TRA		Dermal, systemic, long-term	0,034 mg/kg bw/day	0,0007

4. Guidance to Downstream User to evaluate whether he works inside the boundaries set by the Exposure Scenario

As a downstream user your main obligations under REACH are to:

1. Check if your use is covered by the exposure scenario(s). If this is not the case, you can communicate with your supplier with the aim of having your use covered by an exposure scenario or you may develop your own chemical safety report;
2. a. (Workers) Follow the instructions in this safety data sheet and the conditions of use indicated in the exposure scenario(s) in section 2.2. However, if you have another combination of operational conditions (OCs) and/or risk management measures (RMMs) which allow you to achieve the same level of safety (RCRs <1) you can use scaling to demonstrate that you are in compliance. If scaling is not possible or still results in RCRs >1 then you should implement the OCs and RMMs recommended in this exposure scenario or contact your Supplier in case you need further support;
- 2.b. (Environment) Follow the instructions in this safety data sheet and check if your daily and annual amounts used are below the default maximum values indicated in section 2.1. In case you are above the indicated values you can use scaling to demonstrate that you are in compliance, e.g. by replacing the default figure for the river and/or sewage treatment plant flow rates with the actual rates. Background information on PEC Regional freshwater is 5.368E-5 mg/L. If scaling is not possible or still results in RCRs >1, then you should contact your Supplier for further support;
3. Contact your Supplier if you have new information on the hazard of the substance or mixture or if you believe that the risk management measures are not appropriate;
4. Provide your own downstream users with information on hazards, safe conditions of use and appropriate risk management advice for your mixtures if you are a formulator.

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