

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

1.1. Product identifier

Product form : Mixture
 Trade name : BGA Gel Fluxes IF 8300 series, IF 8300, IF 8300-4, IF 8300-6
 Product code : RP8300*, RP8300-4, RP8300-6
 (* All packaging included)



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

1.2.1. Relevant identified uses

Main use category : Reserved for industrial and professional use.
 Industrial/Professional use spec : Industrial
 Use of the substance/mixture : Rework gel flux

Title	Use descriptors
Industrial uses: Uses of substances as such or in preparations* at industrial sites	SU0, PC38

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier and importer of the safety data sheet

Interflux® Electronics nv Eddastraat 51 9042 Gent - BELGIUM T +32 9 2514959 reach@interflux.com - www.interflux.com	Oritech Group Pty Ltd 33 Production Drive, Alfredton Victoria 3355 Australia T +03 5338 3444 - F +03 5334 2322 sales@oritech.com.au - www.oritech.com.au
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1.4. Emergency telephone number

Emergency number : ++1-703-527-3887 (CHEMTREC)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) no 1272/2008 (CLP)

Skin corrosion/irritation, Category 2 H315
 Serious eye damage/eye irritation, Category 2 H319
 Skin sensitisation, Category 1 H317

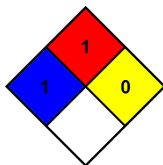
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available


Other information

NFPA-code : 1-1-0
 :



2.2. Label elements

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

Hazard pictograms (CLP) : 
 GHS07

Signal word (CLP) : Warning
 Hazard statements (CLP) : H315 - Causes skin irritation.
 H317 - May cause an allergic skin reaction.
 H319 - Causes serious eye irritation.
 Precautionary statements (CLP) : P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P272 - Contaminated work clothing should not be allowed out of the workplace.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P302+P352 - IF ON SKIN: Wash with plenty of water.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

UFI : In progress

2.3. Other hazards

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Other hazards not contributing to the classification : This product may become hazardous in use and the information in this data sheet reflects the hazards associated with solder operations. During soldering operations: Work under local exhaust/ventilation.

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) no 1272/2008 (CLP)
Thermoplastic resins	(CAS N°) 8050-09-7 (EC N°) 232-475-7 (EC Index-No.) 650-015-00-7 (REACH-no) 01-2119480418-32	15 - 20	Skin Sens. 1, H317
Terpineol, mixture of isomers	(CAS N°) 8000-41-7 (EC N°) 232-268-1 (REACH-no) 01-2119553062-49	15 - 20	Skin Irrit. 2, H315 Eye Irrit. 2, H319
dicarboxylic acid	(CAS N°) 124-04-9 (EC N°) 204-673-3 (EC Index-No.) 607-144-00-9 (REACH-no) 01-2119457561-38	5 - 10	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 after inhalation : Respiratory problems: consult a doctor/medical service.
 First aid measures after skin contact : After contact with skin, wash immediately with plenty of warm water and soap.
 First aid measures after eye contact : Rinse immediately with plenty of water. Take victim to an ophthalmologist if irritation persists.
 First aid measures after ingestion : Do NOT induce vomiting. Ingestion is not considered a potential route of exposure. Consult a doctor/medical service if you feel unwell.

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

Symptoms/injuries after inhalation : Provide local exhaust or general room ventilation to minimize mist and/or vapour concentrations.
 Symptoms/effects after skin contact : Tingling/irritation of the skin.
 Symptoms/effects after eye contact : Irritation of the eye tissue. ON CONTINUOUS EXPOSURE/CONTACT: Redness of the eye tissue.
 Symptoms/injuries after ingestion : AFTER INGESTION OF HIGH QUANTITIES: Gastrointestinal complaints.
 Chronic symptoms : No effects known.

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 : Water spray. Dry chemical powder. Carbon dioxide. Foam.
 Unsuitable extinguishing media : Water (quick-acting extinguisher, reel); risk of puddle expansion. Water; risk of puddle expansion.

5.2. Special hazards arising from the substance or mixture

Fire hazard : None.
 Explosion hazard : DIRECT EXPLOSION HAZARD: No data available on direct explosion hazard. INDIRECT EXPLOSION HAZARD: No data available on indirect explosion hazard.
 Reactivity : On burning: release of (carbon monoxide - carbon dioxide).

5.3. Advice for firefighters

Precautionary measures fire : Exposure to fire/heat: keep upwind. Exposure to fire/heat: have neighbourhood close doors and windows.
 Protection during firefighting : Heat/fire exposure: compressed air apparatus (EN 136 + EN 137).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : Prevent spreading in sewers.

6.1.1. For non-emergency personnel

Protective equipment : Gloves. protective clothing. Protective goggles. Wash hands immediately after handling the product.

6.1.2. For emergency responders

Protective equipment : Refer to section 6.1.1.

6.2. Environmental precautions

Do not discharge into drains or the environment. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up : Clean contaminated surfaces with alcohol or a soap solution. Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Vapours produced during soldering operations.
 Precautions for safe handling : Avoid prolonged and repeated contact with skin. Work under local exhaust/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

Maximum storage period : 2 year
 Storage temperature : 5 – 35 °C
 Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: Heat sources. Avoid ignition sources.
 Storage area : Store in a cool area. Keep container in a well-ventilated place. Keep out of direct sunlight.

7.3. Specific end use(s)

REACH Disclaimer:

This information is based on current knowledge. Consistency of data in the SDS with CSR is considered, as far as the information is available at the time of compilation (cfr Revision date and Version number).

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

thermoplastic resins (8050-09-7)

France - Occupational Exposure Limits

VME (mg/m ³)	0.1 mg/m ³
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United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m ³)	0.05 mg/m ³
WEL STEL (mg/m ³)	0.15 mg/m ³

8.2. Exposure controls

Personal protective equipment : Gloves. Safety glasses. Protective clothing.



Materials for protective clothing : GIVE GOOD RESISTANCE: nitrile rubber.

Hand protection : nitrile rubber gloves. The selected protective gloves must meet the specifications of EU Directive 89/686/EEC and EN 374, derived therefrom. Gloves: Recommended thickness: >0.11mm.

Eye protection : Safety glasses with side shields.

Respiratory protection : By application of the gel there is no overexposure risk. During soldering operations: Local exhaust is needed at source of vapours.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: gel
Appearance	: Viscous.
Colour	: Light yellow to amber.
Odour	: Mild odour. Sweet odour.
Odour threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: 134°C-160°C (TCC)
Relative evaporation rate (butylacetate=1)	: No data available
Flammability (solid, gas)	: No data available
Explosive limits	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: 1.013g/ml - 1.032g/ml
Solubility	: Water: Insoluble
Partition coefficient n-octanol/water (Log Pow)	: No data available
Partition coefficient n-octanol/water (Log Kow)	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content : ≤ 47.9 %

SECTION 10: Stability and reactivity

10.1. Reactivity

On burning: release of (carbon monoxide - carbon dioxide).

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

All heat sources, including direct sunlight. Temperatures below 5°C.

10.5. Incompatible materials

Keep away from reducing agents/(strong) acids /(strong) bases. Keep away from sparks/open flames.

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

thermoplastic resins (8050-09-7)

LD50 oral rat	2800 mg/kg bodyweight (Other, Rat, Male / female, Experimental value, Oral)
LD50 dermal rat	> 2000 mg/kg bodyweight (OECD 402: Acute Dermal Toxicity, 24 h, Rat, Male / female, Experimental value, Dermal)
ATE CLP (oral)	2800 mg/kg bodyweight
Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: Not classified
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Mild water pollutant (surface water)
Slowly biodegradable in water

thermoplastic resins (8050-09-7)

LC50 fish 1	1 – 10 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Brachydanio rerio, Semi-static system, Fresh water, Experimental value, GLP)
EC50 Daphnia 1	911 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value, GLP)
ErC50 (algae)	> 1000 mg/l (OECD 201: Alga, Growth Inhibition Test, 72 h, Selenastrum capricornutum, Static system, Fresh water, Experimental value, GLP)

12.2. Persistence and degradability

BGA Gel Fluxes IF 8300 series, IF 8300, IF 8300-4, IF 8300-6

Persistence and degradability	Readily biodegradable in water.
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thermoplastic resins (8050-09-7)

Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.6 g O ₂ /g substance

terpineol, mixture of isomers (8000-41-7)

Persistence and degradability	Readily biodegradable in water.
ThOD	2.9 g O ₂ /g substance

12.3. Bioaccumulative potential

BGA Gel Fluxes IF 8300 series, IF 8300, IF 8300-4, IF 8300-6

Bioaccumulative potential	Not bioaccumulative.
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thermoplastic resins (8050-09-7)

BCF other aquatic organisms 1	56.2 (BCFBAF v3.00, QSAR)
Partition coefficient n-octanol/water (Log Pow)	1.9 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method)
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).

terpineol, mixture of isomers (8000-41-7)

Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
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12.4. Mobility in soil

BGA Gel Fluxes IF 8300 series, IF 8300, IF 8300-4, IF 8300-6

Ecology - soil : According to literature, degradable in the soil.

thermoplastic resins (8050-09-7)

Surface tension : 0.078 N/m (20 °C, EU Method A.5: Surface tension)

Partition coefficient n-octanol/water (Log Koc) : 0.8759 (log Koc, SRC PCKOCWIN v2.0, QSAR)

Ecology - soil : Highly mobile in soil.

terpineol, mixture of isomers (8000-41-7)

Ecology - soil : Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

BGA Gel Fluxes IF 8300 series, IF 8300, IF 8300-4, IF 8300-6

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

thermoplastic resins (8050-09-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

terpineol, mixture of isomers (8000-41-7)

This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII

This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

- Regional legislation (waste) : Disposal must be done according to official regulations.
- Product/Packaging disposal recommendations : Do not discharge into the sewer. Do not discharge into surface water. Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals. In authorized incinerator equipped with flue gas scrubber with energy recovery.
- Additional information : Hazardous waste according to Directive 2008/98/EC, as amended by Regulation (EU) No 1357/2014 and Regulation (EU) No 2017/997.
- Ecology - waste materials : Remove to an authorized incinerator. Do not discharge into the sewer. Do not discharge into surface water.
- EURAL code : 14 06 03* - other solvents and solvent mixtures
15 01 10* - packaging containing residues of or contaminated by dangerous substances

SECTION 14: Transport information

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

14.1. UN number

- UN-No. (ADR) : Not applicable
- UN-No. (IMDG) : Not applicable
- UN-No. (IATA) : Not applicable
- UN-No. (ADN) : Not applicable
- UN-No. (RID) : Not applicable

14.2. UN proper shipping name

- Proper Shipping Name (ADR) : Not applicable
- Proper Shipping Name (IMDG) : Not applicable
- Proper Shipping Name (IATA) : Not applicable
- Proper Shipping Name (ADN) : Not applicable
- Proper Shipping Name (RID) : Not applicable

14.3. Transport hazard class(es)

ADR

- Transport hazard class(es) (ADR) : Not applicable

IMDG

Transport hazard class(es) (IMDG) : Not applicable

IATA

Transport hazard class(es) (IATA) : Not applicable

ADN

Transport hazard class(es) (ADN) : Not applicable

RID

Transport hazard class(es) (RID) : Not applicable

14.4. Packing group

Packing group (ADR) : Not applicable

Packing group (IMDG) : Not applicable

Packing group (IATA) : Not applicable

Packing group (ADN) : Not applicable

Packing group (RID) : Not applicable

14.5. Environmental hazards

Dangerous for the environment : No

Marine pollutant : No

Other information : Class : not regulated

14.6. Special precautions for user

Special transport precautions : Class : not regulated

- Overland transport

Transport regulations (ADR) : Not subject

- Transport by sea

Transport regulations (IMDG) : Not subject

- Air transport

Transport regulations (IATA) : Not subject

- Inland waterway transport

No data available

- Rail transport

Transport regulations (RID) : Not subject

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Not applicable

Additional rules to be obtained at Interflux® Electronics NV

Remark:

Above mentioned regulations are in force at the moment of publication of this (SDS) safety data sheet. With reference to possible modifications in transport regulations of dangerous goods, we advise you to verify its validity at Interflux® Electronics NV.

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

VOC content : ≤ 47.9 %

15.1.2. National regulations

Germany

Regulatory reference : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

15.2. Chemical safety assessment

Chemical safety assessments for substances in this preparation were carried out

SECTION 16: Other information

Other information : Intrastat code 3810 90 90.

Full text of H- and EUH-statements:

Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

Full text of use descriptors

PC38	Welding and soldering products, flux products
SU0	Other

SDS EU (REACH Annex II)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

DISCLAIMER

The information in this Safety Data Sheet (SDS) is believed to be correct as of the date issued. Because we cannot anticipate or control the many different conditions under which this information and our products may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. Users of our products should make their own tests to determine the suitability of each such product for their particular purposes. The products discussed are sold without such warranty, either expressed or implied.

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