

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

1.1. Product identifier

Product form : Mixture
 Trade name : IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)
 Product code : FLA2005series*, RPPEN2005series*
 (* 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 : Soldering 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)

Flammable liquids, Category 2 H225
 Serious eye damage/eye irritation, Category 2 H319
 Specific target organ toxicity — Single exposure, Category 2 H371
 Specific target organ toxicity — Single exposure, Category 3, Narcosis H336

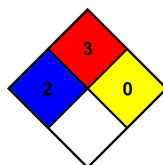
Full text of H statements : see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

Other information

NFPA-code : 2-3-0



2.2. Label elements

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

Hazard pictograms (CLP) :

		
GHS02	GHS07	GHS08

Signal word (CLP) : Danger
 Hazardous ingredients : carbinol
 Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.

H319 - Causes serious eye irritation.
 H336 - May cause drowsiness or dizziness.
 H371 - May cause damage to organs.

Precautionary statements (CLP) : P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 - Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
 P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

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

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)
ethanol	(CAS N°) 64-17-5 (EC N°) 200-578-6 (EC Index-No.) 603-002-00-5 (REACH-no) 01-2119457610-43	62-72	Flam. Liq. 2, H225
2-propanol	(CAS N°) 67-63-0 (EC N°) 200-661-7 (EC Index-No.) 603-117-00-0 (REACH-no) 01-2119457558-25	20-30	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
n-butyl acetate	(CAS N°) 123-86-4 (EC N°) 204-658-1 (EC Index-No.) 607-025-00-1 (REACH-no) 01-2119485493-29	5-8	Flam. Liq. 3, H226 STOT SE 3, H336
dicarboxylic acid	(CAS N°) 124-04-9 (EC N°) 204-673-3 (EC Index-No.) 607-144-00-9 (REACH-no) 01-2119457561-38	1-4	Eye Irrit. 2, H319
carbinol	(CAS N°) 67-56-1 (EC N°) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	<3	Flam. Liq. 2, H225 Acute Tox. 3 (Oral), H301 Acute Tox. 3 (Dermal), H311 Acute Tox. 3 (Inhalation), H331 STOT SE 1, H370

Specific concentration limits:

Name	Product identifier	Specific concentration limits
carbinol	(CAS N°) 67-56-1 (EC N°) 200-659-6 (EC Index-No.) 603-001-00-X (REACH-no) 01-2119433307-44	(3 ≤C < 10) STOT SE 2, H371 (10 ≤C < 100) STOT SE 1, H370

Full text of H-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First aid measures general : Check the vital functions. Unconscious: maintain adequate airway and respiration. Respiratory arrest: artificial respiration or oxygen. Vomiting: prevent asphyxia/aspiration pneumonia. Prevent cooling by covering the victim (no warming up). Depending on the victim's condition: doctor/hospital.

First aid measures after inhalation : Remove the victim into fresh air. Respiratory problems: consult a doctor/medical service.

First aid measures after skin contact : Rinse with water. Soap may be used. Take victim to a doctor if irritation persists.

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 : Rinse mouth thoroughly with water. Immediately after ingestion: give lots of water to drink. Do NOT induce vomiting. Give activated charcoal. Consult a doctor/medical service if you feel unwell. Ingestion of large quantities: immediately to hospital. Doctor: gastric lavage.

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

Symptoms/injuries after inhalation	: EXPOSURE TO HIGH CONCENTRATIONS: Headache. Dizziness. Coughing. Dry/sore throat. Central nervous system depression. Narcosis. Drowsiness.
Symptoms/effects after skin contact	: Slight irritation.
Symptoms/effects after eye contact	: Irritation of the eye tissue.
Symptoms/injuries after ingestion	: AFTER INGESTION OF HIGH QUANTITIES: Central nervous system depression. Headache. Dilation of the blood vessels. Low arterial pressure. Nausea. Vomiting. Abdominal pain. Risk of aspiration pneumonia.
Chronic symptoms	: Skin rash/inflammation. Dry skin. Red skin. Cracking of the skin. Itching. Impaired memory.

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	: Quick-acting ABC powder extinguisher. Quick-acting BC powder extinguisher. Quick-acting class B foam extinguisher. Quick-acting CO2 extinguisher. Class B foam (alcohol-resistant). Water spray if puddle cannot expand.
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	: DIRECT FIRE HAZARD: Highly flammable. Gas/vapour flammable with air within explosion limits. INDIRECT FIRE HAZARD: May be ignited by sparks. Gas/vapour spreads at floor level: ignition hazard.
Explosion hazard	: DIRECT EXPLOSION HAZARD: Gas/vapour explosive with air within explosion limits. INDIRECT EXPLOSION HAZARD: may be ignited by sparks. Reactions with explosion hazards: see "Reactivity Hazard".
Reactivity	: Violent to explosive reaction with (strong) oxidizers. Upon combustion CO and CO2 are formed.

5.3. Advice for firefighters

Precautionary measures fire	: Exposure to fire/heat: consider evacuation.
Firefighting instructions	: Cool tanks/drums with water spray/remove them into safety. Do not move the load if exposed to heat.
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	: Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Prevent spreading in sewers. Keep containers closed. Wash contaminated clothes.
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6.1.1. For non-emergency personnel

Protective equipment	: Gloves (EN 374). Protective goggles (EN 166). Protective clothing (EN 14605 or EN 13034). Large spills/in enclosed spaces: compressed air apparatus (EN 136 + EN 137).
Emergency procedures	: Keep upwind. Mark the danger area. Consider evacuation. Stop engines and no smoking. No naked flames or sparks. Spark- and explosionproof appliances and lighting equipment. Keep containers closed. Wash contaminated clothes.

6.1.2. For emergency responders

No additional information available

6.2. Environmental precautions

Prevent spreading in sewers.

6.3. Methods and material for containment and cleaning up

For containment	: Contain released product, pump into suitable containers. Consult "Material-handling" to select material of containers. Plug the leak, cut off the supply. Dam up the liquid spill. Try to reduce evaporation. Measure the concentration of the explosive gas-air mixture. Dilute/disperse combustible gas/vapour with water curtain. Provide equipment/receptacles with earthing. Do not use compressed air for pumping over spills.
Methods for cleaning up	: Take up liquid spill into absorbent material, e.g.: dry sand/earth/vermiculite or powdered limestone. Scoop absorbed substance into closing containers. See "Material-handling" for suitable container materials. Damaged/cooled tanks must be emptied. Do not use compressed air for pumping over spills. Carefully collect the spill/leftovers. Take collected spill to manufacturer/competent authority. Clean contaminated surfaces with an excess of water. Wash clothing and equipment after handling.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling : Use spark-/explosionproof appliances and lighting system. Take precautions against electrostatic charges. Keep away from naked flames/heat. Keep away from ignition sources/sparks. Measure the concentration in the air regularly. Work under local exhaust/ventilation. Comply with the legal requirements. Remove contaminated clothing immediately. Clean contaminated clothing. Handle uncleaned empty containers as full ones. Thoroughly clean/dry the installation before use. Do not discharge the waste into the drain. Do not use compressed air for pumping over. Keep container tightly closed.

7.2. Conditions for safe storage, including any incompatibilities

Maximum storage period : 1 year
 Storage temperature : 5 – 35 °C
 Heat and ignition sources : KEEP SUBSTANCE AWAY FROM: Heat sources. Avoid ignition sources.
 Information on mixed storage : KEEP SUBSTANCE AWAY FROM: Heat sources. ignition sources. Keep away from oxidizing agents. Strong acids, strong bases and strong oxidants. (strong) bases.
 Storage area : Meet the legal requirements. Store in a cool area. Store in a dry area. Fireproof storeroom.
 Special rules on packaging : SPECIAL REQUIREMENTS: closing. dry. clean. correctly labelled. meet the legal requirements.
 Packaging materials : SUITABLE MATERIAL: stainless steel. HDPE drums.

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

n-butyl acetate (123-86-4)

EU - Occupational Exposure Limits

IOELV TWA (mg/m ³)	241 mg/m ³
IOELV TWA (ppm)	50 ppm
IOELV STEL (mg/m ³)	723 mg/m ³
IOELV STEL (ppm)	150 ppm

Belgium - Occupational Exposure Limits

Limit value (mg/m ³)	723 mg/m ³ (Acétate de n-butyle; Belgium; Time-weighted average exposure limit 8 h)
Limit value (ppm)	150 ppm (Acétate de n-butyle; Belgium; Time-weighted average exposure limit 8 h)
Short time value (mg/m ³)	964 mg/m ³ (Acétate de n-butyle; Belgium; Short time value)
Short time value (ppm)	200 ppm (Acétate de n-butyle; Belgium; Short time value)

France - Occupational Exposure Limits

VME (mg/m ³)	710 mg/m ³ (Acétate de n-butyle; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
VME (ppm)	150 ppm (Acétate de n-butyle; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative)
VLE (mg/m ³)	940 mg/m ³ (Acétate de n-butyle; France; Short time value; VL: Valeur non réglementaire indicative)
VLE (ppm)	200 ppm (Acétate de n-butyle; France; Short time value; VL: Valeur non réglementaire indicative)

United Kingdom - Occupational Exposure Limits

WEL TWA (mg/m ³)	724 mg/m ³ Butyl acetate; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)
WEL TWA (ppm)	150 ppm Butyl acetate; United Kingdom; Time-weighted average exposure limit 8 h; Workplace exposure limit (EH40/2005)

n-butyl acetate (123-86-4)	
WEL STEL (mg/m ³)	966 mg/m ³ Butyl acetate; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
WEL STEL (ppm)	200 ppm Butyl acetate; United Kingdom; Short time value; Workplace exposure limit (EH40/2005)
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	150 ppm (n-Butyl acetate; USA; Time-weighted average exposure limit 8 h; TLV - Adopted Value)
ACGIH STEL (ppm)	200 ppm (n-Butyl acetate; USA; Short time value; TLV - Adopted Value)
2-propanol (67-63-0)	
Belgium - Occupational Exposure Limits	
Limit value (mg/m ³)	500 mg/m ³
Limit value (ppm)	200 ppm
Short time value (mg/m ³)	1000 mg/m ³
Short time value (ppm)	400 ppm
France - Occupational Exposure Limits	
VLE (mg/m ³)	980 mg/m ³
VLE (ppm)	400 ppm
United Kingdom - Occupational Exposure Limits	
WEL TWA (mg/m ³)	999 mg/m ³
WEL TWA (ppm)	400 ppm
WEL STEL (mg/m ³)	1250 mg/m ³
WEL STEL (ppm)	500 ppm
USA - ACGIH - Occupational Exposure Limits	
ACGIH TWA (ppm)	200 ppm
ACGIH STEL (ppm)	400 ppm
ethanol (64-17-5)	
Belgium - Occupational Exposure Limits	
Local name	Alcool éthylique # Ethanol
Limit value (mg/m ³)	1907 mg/m ³
Limit value (ppm)	1000 ppm
Regulatory reference	Koninklijk besluit/Arrêté royal 11/03/2002
France - Occupational Exposure Limits	
Local name	Alcool éthylique
VME (mg/m ³)	1900 mg/m ³
VME (ppm)	1000 ppm
VLE (mg/m ³)	9500 mg/m ³
VLE (ppm)	5000 ppm
Note (FR)	Valeurs recommandées/admises
Regulatory reference	Circulaire du Ministère du travail (réf.: INRS ED 984, 2016)
Germany - Occupational Exposure Limits (TRGS 900)	
TRGS 900 Local name	Ethanol
Occupational exposure limit value (mg/m ³)	960 mg/m ³
Occupational exposure limit value (ppm)	500 ppm
Limitation of exposure peaks	2(II)

ethanol (64-17-5)	
TRGS 900 Remark	DFG;Y
TRGS 900 Regulatory reference	TRGS900
Netherlands - Occupational Exposure Limits	
Grenswaarde TGG 8H (mg/m ³)	260 mg/m ³
Grenswaarde TGG 8H (ppm)	136 ppm
Grenswaarde TGG 15MIN (mg/m ³)	1900 mg/m ³
Grenswaarde TGG 15MIN (ppm)	992 ppm
United Kingdom - Occupational Exposure Limits	
Local name	Ethanol
WEL TWA (mg/m ³)	1920 mg/m ³
WEL TWA (ppm)	1000 ppm
Regulatory reference	EH40. HSE
USA - ACGIH - Occupational Exposure Limits	
Local name	Ethanol
ACGIH STEL (ppm)	1000 ppm
Remark (ACGIH)	URT irr
Regulatory reference	ACGIH 2017

8.2. Exposure controls

Personal protective equipment : Gloves. (Nitrile rubber): Recommended thickness: >0.35mm. Protective goggles. Protective clothing.



Materials for protective clothing : GIVE EXCELLENT RESISTANCE: butyl rubber. GIVE LESS RESISTANCE: viton. neoprene. nitrile rubber. neoprene/natural rubber.

Hand protection : The selected protective gloves must meet the specifications of EU Directive 89/686/EEC and EN 374, derived therefrom.

Eye protection : Eye protection designed to protect against liquid splashes should be worn. Safety glasses.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : Where exposure through inhalation may occur from use, respiratory protection equipment is recommended.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Liquid.
Colour	: Colourless.
Odour	: Mild odour of aliphatic alcohol.
Odour threshold	: No data available
pH	: 4.4
Melting point	: -115 °C
Freezing point	: No data available
Boiling point	: 78 – 137 °C
Flash point	: 15 °C
Relative evaporation rate (butylacetate=1)	: No data available
Relative evaporation rate (ether=1)	: 8 - 13
Flammability (solid, gas)	: No data available
Explosive limits	: 1,7/21
Vapour pressure	: 44 hPa

Relative vapour density at 20 °C	: 1.6
Relative density	: 0,807-0,809 g/ml IF2005M/0.810-0.812 g/ml IF 2005-2.5%(K)/ 0.813-0.815g/ml IF 2005C
Solubility	: Water: 96 – 98 % Ethanol: Soluble
Partition coefficient n-octanol/water (Log Pow)	: -0.31
Partition coefficient n-octanol/water (Log Kow)	: < 4
Auto-ignition temperature	: 370 °C
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: > 0.001 Pa·s
Explosive properties	: No data available
Oxidising properties	: No data available

9.2. Other information

VOC content	: 93 – 95 %
Other properties	: Gas/vapour heavier than air at 20°C. Clear. Volatile.

SECTION 10: Stability and reactivity

10.1. Reactivity

Violent to explosive reaction with (strong) oxidizers. Upon combustion CO and CO₂ are formed.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No additional information available

10.4. Conditions to avoid

No additional information available

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

No additional information available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	> 16000 mg/kg
LC50 inhalation rat (mg/l)	73 mg/l/4h

Skin corrosion/irritation	: Not classified pH: 4.4
Serious eye damage/irritation	: Causes serious eye irritation. pH: 4.4
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause damage to organs. May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological information

12.1. Toxicity

Ecology - air : Not dangerous for the ozone layer (Council Regulation (EC)).

Ecology - water : Mild water pollutant (surface water). Groundwater pollutant. Slightly or not bioaccumulative.

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

LC50 fish 1	15300 mg/l (US EPA, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value, Lethal)
EC50 Daphnia 1	> 10000 mg/l (48 h, daphnia magna)
LC50 fish 2	9640 mg/l (96 h, pimephales promelas, flow-through system)
EC50 Daphnia 2	10800 mg/l (24 h, daphnia magna)

12.2. Persistence and degradability

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions.
Biochemical oxygen demand (BOD)	0.15 – 0.9 g O ₂ /g substance
Chemical oxygen demand (COD)	2.32 g O ₂ /g substance
ThOD	2.21 g O ₂ /g substance
BOD (% of ThOD)	0.49 % ThOD

12.3. Bioaccumulative potential

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

Partition coefficient n-octanol/water (Log Pow)	-0.31
Partition coefficient n-octanol/water (Log Kow)	< 4

12.4. Mobility in soil

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

Surface tension	0.021 N/m (25 °C)
Ecology - soil	Highly mobile in soil.

12.5. Results of PBT and vPvB assessment

IF 2005 series No-Clean, Halide Free Soldering Flux (IF2005M - IF2005-2.5% - IF2005K - IF2005C)

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.
Ecology - waste materials	: LWCA (the Netherlands): KGA category 03. Hazardous waste (91/689/EEC). Do not discharge into surface water. Packaging containing residues of or contaminated by dangerous substances.
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)	: 1993
UN-No. (IMDG)	: 1993
UN-No. (IATA)	: 1993
UN-No. (ADN)	: 1993
UN-No. (RID)	: 1993

14.2. UN proper shipping name

Proper Shipping Name (ADR)	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IMDG)	: FLAMMABLE LIQUID, N.O.S.
Proper Shipping Name (IATA)	: Flammable liquid, n.o.s.

Proper Shipping Name (ADN) : FLAMMABLE LIQUID, N.O.S.
 Proper Shipping Name (RID) : FLAMMABLE LIQUID, N.O.S.
 Transport document description (ADR) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol), 3, II, (D/E)
 Transport document description (IMDG) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol), 3, II
 Transport document description (IATA) : UN 1993 Flammable liquid, n.o.s., 3, II
 Transport document description (ADN) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol), 3, II
 Transport document description (RID) : UN 1993 FLAMMABLE LIQUID, N.O.S. (Ethanol, Isopropanol), 3, II

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 3
 Danger labels (ADR) : 3



IMDG

Transport hazard class(es) (IMDG) : 3
 Danger labels (IMDG) : 3



IATA

Transport hazard class(es) (IATA) : 3
 Danger labels (IATA) : 3



ADN

Transport hazard class(es) (ADN) : 3
 Danger labels (ADN) : 3



RID

Transport hazard class(es) (RID) : 3
 Danger labels (RID) : 3



14.4. Packing group



Packing group (ADR)	: II
Packing group (IMDG)	: II
Packing group (IATA)	: II
Packing group (ADN)	: II
Packing group (RID)	: II

14.5. Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 274, 601, 640D
Limited quantities (ADR)	: 1I
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001, IBC02, R001
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T7
Portable tank and bulk container special provisions (ADR)	: TP1, TP8, TP28
Tank code (ADR)	: LGBF
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	:  

Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE

- Transport by sea

Transport regulations (IMDG)	: Subject to the provisions
Special provisions (IMDG)	: 274
Limited quantities (IMDG)	: 1 L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T7
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: B
Flash point (IMDG)	: 15°C

- Air transport

PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L

CAO packing instructions (IATA) : 364
 CAO max net quantity (IATA) : 60L
 Special provisions (IATA) : A3
 ERG code (IATA) : 3H

- Inland waterway transport

Classification code (ADN) : F1
 Special provisions (ADN) : 274, 601, 640D
 Limited quantities (ADN) : 1 L
 Excepted quantities (ADN) : E2
 Carriage permitted (ADN) : T
 Equipment required (ADN) : PP, EX, A
 Ventilation (ADN) : VE01
 Number of blue cones/lights (ADN) : 1

- Rail transport

Transport regulations (RID) : Subject to the provisions
 Classification code (RID) : F1
 Special provisions (RID) : 274, 601, 640D
 Limited quantities (RID) : 1L
 Excepted quantities (RID) : E2
 Packing instructions (RID) : P001, IBC02, R001
 Mixed packing provisions (RID) : MP19
 Portable tank and bulk container instructions (RID) : T7
 Portable tank and bulk container special provisions (RID) : TP1, TP8, TP28
 Tank codes for RID tanks (RID) : LGBF
 Transport category (RID) : 2
 Colis express (express parcels) (RID) : CE7
 Hazard identification number (RID) : 33

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

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	n-butyl acetate ; 2-propanol ; ethanol ; carbinol
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	n-butyl acetate ; 2-propanol ; carbinol
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	n-butyl acetate ; 2-propanol ; ethanol ; carbinol
69. Methanol	carbinol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

VOC content : 93 – 95 %

15.1.2. National regulations

Germany

Regulatory reference	: WGK 1, Slightly hazardous to water (Classification according to AwSV, Annex 1)
WGK remark	: Classification in compliance with Verwaltungsvorschrift wassergefährdender Stoffe (VwVwS) of 27 July 2005
VbF class	: B - Liquids with a flashpoint below 21°C, but soluble in water at 15°C or flammable ingredients that are soluble in water at 15°C
Employment restrictions	: Observe restrictions according Act on the Protection of Working Mothers (MuSchG) Observe restrictions according Act on the Protection of Young People in Employment (JArbSchG)
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.

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

Flam. Liq. 2	H225
Eye Irrit. 2	H319
STOT SE 2	H371
STOT SE 3	H336

Full text of H- and EUH-statements:

Acute Tox. 3 (Dermal)	Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation)	Acute toxicity (inhal.), Category 3
Acute Tox. 3 (Oral)	Acute toxicity (oral), Category 3
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
STOT SE 1	Specific target organ toxicity — single exposure, Category 1
STOT SE 2	Specific target organ toxicity — Single exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H370	Causes damage to organs.
H371	May cause damage to organs.

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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