

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

# 1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1 Product identifier

Product Name Ultrasonic PCB Cleaner & Flux Remover

Trade Name Not known.

Product code Not known.

CAS No. Not applicable.

EC No. Not applicable.

REACH Registration No. Not known.

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

Identified Use(s) Not known.
Uses Advised Against Not known.

### 1.3 Details of the supplier of the safety data sheet

Manufacturer

Company Identification R&D Laboratories Ltd

Address of Manufacturer Unit U, Enkalon Industrial Estate

Antrim

Postal code BT41 4LJ

Telephone: +44(0) 2894 465753

Fax Not known.

E-mail support@mistral-chemicals.zendesk.com

Office hours

Supplier

Company Identification R&D Laboratories Ltd

Address of Supplier Unit U, Enkalon Industrial Estate

**Antrim** 

Postal code BT41 4LJ

Telephone: +44(0) 2894 465753

Fax Not known.

E-mail support@mistral-chemicals.zendesk.com

Office hours

### 1.4 Emergency telephone number

Emergency Phone No. +44(0) 2894 465753

Contact Barry Kelly

**National response center** 

Address National Poisons Information Service (Birmingham Centre)

City Hospital Dudley Road, Birmingham, United Kingdom

Emergency Phone No. +00 448 706 006 266 NHS Direct - 0845 4647 or 111

### 2. SECTION 2: HAZARDS IDENTIFICATION

# 2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. Eye Irrit. 2 : Causes serious eye irritation.

1272/2008 (CLP)



### 2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name Ultrasonic PCB Cleaner & Flux Remover

Hazard Pictogram(s)



GHS07

Signal Word(s) Warning

Hazard Statement(s) H319: Causes serious eye irritation.

Precautionary Statement(s) P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face 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. P337+P313: If eye irritation persists: Get medical advice/attention.

2,3 Other hazards

Not known.

#### 2.4 Additional Information

For full text of H/P Statements see section 16.

# 3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

# 3.1 Substances

Not applicable.

### 3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
(2-methoxymethylethoxy)propanol	34590-94-8	252-104-2	20-30	Not classified	
2-butoxyethanol ethylene glycol monobutyl ether butyl cellosolve	111-76-2	203-905-0	5-10	Acute Tox. 4 H302 Acute Tox. 4 H312 Skin Irrit. 2 H315 Eye Irrit. 2 H319 Acute Tox. 4 H332	GHS07
Alcohols, C12-13, ethoxylates, 1-2.5 EO	66455-14-9	500-165-3	1-5	Acute Tox. 4 H302 Eye Dam. 1 H318 Aquatic Chronic 3 H412	GHS05 GHS07
Cocamidopropyl Betaine	61789-40-0	263-058-8	0-1	Skin Irrit. 2 H315 Eye Irrit. 2 H319	GHS07

# **4. SECTION 4: FIRST AID MEASURES**



# 4.1 Description of first aid measures

Inhalation If breathing is difficult, remove victim to fresh air and keep at rest in a position

comfortable for breathing.

Skin Contact Wash skin with water.

Eye Contact IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get

medical advice/attention.

Ingestion Wash out mouth with water.

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

May cause irritation.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

# **5. SECTION 5: FIREFIGHTING MEASURES**

# 5.1 Extinguishing media

Suitable Extinguishing media As appropriate for surrounding fire.

Unsuitable extinguishing media None.

# 5.2 Special hazards arising from the substance or mixture

May decompose in a fire, giving off toxic and irritant vapours.

### 5.3 Advice for fire-fighters

### **6. SECTION 6: ACCIDENTAL RELEASE MEASURES**

#### 6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Wear suitable protective clothing, gloves and eye/face protection.

6.2 Environmental precautions

Do not release large quantities into the surface water or into drains.

#### 6.3 Methods and material for containment and cleaning up

Sweep up spilled substance and remove to safe place. Use vacuum equipment for collecting spilt materials, where practicable.

### 6.4 Reference to other sections

See Also Section 8, 13.

## 7. SECTION 7: HANDLING AND STORAGE

#### 7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection.

# 7.2 Conditions for safe storage, including any incompatibilities

Storage temperature Ambient.

Storage life Stable under normal conditions.

Incompatible materials None known.

7.3 Specific end use(s)

Not known.



# 8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits									
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note			
2-Butoxyethanol	111-76-2	25	123	50	246	Sk, BMGV			
2-Butoxyethanol	111-76-2	20	98	50	246	IOELV, Skin			
(2-methoxymethylethoxy) propanol	34590-94-8	50	308			Sk			
(2-Methoxymethylethoxy)-propanol	34590-94-8	50	308			IOELV, Skin			
Remark	Footnote								
Sk	Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity.								
BMGV	Biological monitoring guidance values are listed.								
IOELV	IOELV: Indicative Occupational Exposure Limit Value								
Skin	The possibility of significant uptake through the skin.								

**Biological Exposure** Indices

Biological **CAS** Control Substances

Sampling Tissues monitoring guidance Comments Number

parameters value

240 mmol/mol 111-76-2 2-Butoxyethanol Post shift urine butoxyacetic acid creatinine

8.2 Exposure controls

8.2.1. Appropriate engineering Ensure adequate ventilation. A washing facility/water for eye and skin cleaning controls purposes should be present.

8.2.2. Personal protection equipment

**Eye Protection** 

Skin protection

Wear eye protection with side protection (EN166).

Wear protective clothing and gloves: Impervious gloves (EN 374).

Normally no personal respiratory protection is necessary.

Respiratory protection

Thermal hazards None known.

8.2.3. Environmental Exposure Avoid release to the environment. Controls

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# 9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Liquid. **Appearance** 

Colour: Clear Colourless

Odour Faint. Odour threshold Not known. рН Not known. Melting point/freezing point Not known. Initial boiling point and boiling Not known.

range

Not applicable. Flash Point Not known. **Evaporation rate** Flammability (solid, gas) Not known. Upper/lower flammability or Not known.

explosive limits

Vapour pressure Not known. Vapour density Not known.

Density (g/ml) Density similar to water.

Relative density Not known.

Solubility (Water): Soluble in water. Solubility(ies)

Solubility (Other): Not known.

Partition coefficient: n-

octanol/water

Not known.

Auto-ignition temperature Not known. **Decomposition Temperature** 

(°C)

Not known.

Viscosity Not known. Explosive properties Not known. Oxidising properties Not known.

#### 9.2 Other information

Not known.

### 10. SECTION 10: STABILITY AND REACTIVITY

None anticipated. 10.1 Reactivity

10.2 Chemical Stability Stable under normal conditions.

10.3 Possibility of hazardous

reactions

No hazardous reactions known if used for its intended purpose.

10.4 Conditions to avoid None anticipated. 10.5 Incompatible materials Not known. 10.6 Hazardous decomposition None known.

product(s)

# 11, SECTION 11: TOXICOLOGICAL INFORMATION

#### 11.1 Information on toxicological effects

Acute toxicity - Ingestion Not classified.

Calculated acute toxicity estimate (ATE) Calc ATE - 6849.32000

Acute toxicity - Skin Contact Not classified.

Calculated acute toxicity estimate (ATE) Calc ATE - 22000,00000



Not classified. Acute toxicity - Inhalation

Calculated acute toxicity estimate (ATE) Calc ATE - 220.00000

Skin corrosion/irritation Not classified.

Serious eye damage/irritation Calculation method: Causes serious eye irritation.

Skin sensitization data Not classified. Not classified. Respiratory sensitization data Not classified. Germ cell mutagenicity Carcinogenicity Not classified. Not classified. Reproductive toxicity Lactation Not classified. STOT - single exposure Not classified. Not classified. STOT - repeated exposure Aspiration hazard Not classified.

11.2 Other information

Not known.

### 12. SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Toxicity - Aquatic invertebrates Low toxicity to invertebrates.

Toxicity - Fish Low toxicity to fish. Toxicity - Algae Low toxicity to algae.

Toxicity - Sediment

Compartment

Not classified.

Toxicity - Terrestrial

Compartment

Not classified.

12.2. Persistence and

**Degradation** 

Not known.

12.3. Bioaccumulative

potential

Not known.

12.4. Mobility in soil Not known. 12.5. Results of PBT and

vPvB assessment

Not known.

12.6 Other adverse effects

Not known.

# 13. SECTION 13: DISPOSAL CONSIDERATIONS

#### 13.1 Waste treatment methods

Send to a licensed recycler, reclaimer or incinerator.

#### 13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

### 14. SECTION 14: TRANSPORT INFORMATION

### NOT CLASSED AS DANGEROUS FOR TRANSPORT.

# 15. SECTION 15: REGULATORY INFORMATION



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

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of All chemicals are not listed

Very High Concern for

Authorisation

REACH: ANNEX XIV list of

substances subject to

authorisation

All chemicals are not listed

REACH: Annex XVII Restrictions All chemicals are not listed

on the manufacture, placing on the market and use of certain dangerous substances, mixtures

and articles

Community Rolling Action Plan Not known.

(CoRAP)

Regulation (EC) N° 850/2004 of Not listed

the European Parliament and of the Council on persistent organic pollutants

Regulation (EC) N° 2037/2000 Not listed

on substances that deplete the

ozone layer

Regulation (EU) N° 649/2012 of Not listed

the European Parliament and of the Council concerning the export and import of hazardous chemicals

# **National regulations**

Other Not known.

# 15.2 Chemical Safety Assessment

A REACH chemical safety assessment has not been carried out.

# 16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements:

### **LEGEND**

Hazard Pictogram(s)



Hazard Statement(s) H319: Causes serious eye irritation.

Precautionary Statement(s) P264: Wash hands and exposed skin thoroughly after handling.

P280: Wear protective gloves/protective clothing/eye protection/face protection. P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes.

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