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ECOREL EASY 802S		050429300

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

1.1. Product identifier	
Trade name	: ECOREL EASY 802S
1.2. Relevant identified uses of the substance or mixture and uses advised against	
1.2.1 Relevant identified uses	: Solderpaste for the soldering of electronic components
1.3. Details of the supplier of the safety data sheet	
	: INVENTEC PERFORMANCE CHEMICALS SA 20 rue de Bourgogne BP 211 69802 SAINT-PRIEST Cedex France Tel : +33 (0) 4 72 28 13 00 Fax : +33 (0) 4 72 28 13 41
DISTRIBUTOR :	: SPAIN: Perez Pujol, 4 - 2º 46002 Valencia - Tel : (34) 96 353 51 93. ITALIA: Via Pusterla, 8 - I - 20013 Magenta - Milano - Tel : (39) 02 48 40 12 06. GERMANY: Robert-Bosch-Str.14 D 40668 Meerbusch - Tel : +49 (0)21 50 70 73 00. SUISSE: Z.I. Petits Champs 15 CH-1400 Yverdon-les-Bains - Tel : +41(0) 24 424 80 90 HUNGARY: Climalife Kft. 1118 Budapest, Villányi út 47 - Tel: (36) 23 431 660. NEDERLAND: Van Konijnenburgweg 84 NL-4612PL Bergen op zoom- Tel : (31) 164 212 840
e-mail	: ContactFDS@inventec.dehon.com
* 1.4 Emergency telephone number	: EMERGENCY TELEPHONE NUMBER (24h/24) : + 33 (0) 1 72 11 00 03 Anti-poison Center : INRS/ORFILA (France) : +33 (0) 1 45 42 59 59 Anti-poison Centre (Belgium) : +32 70 245 245 Anti-poison Centre (Spain) : +34 91 562 04 20 Anti-poison Centre (Netherlands) : +31 30 274 8888 Anti-poison Centre (United Kingdom) : +44 870 600 6266 Poisons Information Centre (Hungary) : +36 80 201 199 Anti-poison Centre (Switzerland) : 145 (from Switzerland) or +41 44 251 51 51 Poisons Information Centre (Czech Republic) : +420 224 919 293

SECTION 2 Hazards identification

2.1. Classification of the substance or mixture	
2.1.1. Regulation (EC) No 1272/2008 (CLP)	
Health hazards	: Skin sensitisation - Category 1 (Skin Sens. 1) - H317 Eye irritation - Category 2 (Eye Irrit. 2) - H319 Reproductive toxicity - Category 1A (Repr. 1A) - H360Df Specific Target Organ Toxicity - Single exposure - Category 1 (STOT SE 1) - H370
Environmental hazards	: Hazardous to the aquatic environment - Acute hazard - Category 1 (Aquatic Acute 1) - H400 Hazardous to the aquatic environment - Chronic hazard - Category 1 (Aquatic Chronic 1) - H410
2.1.2 Directive EEC/67/548 or 1999/45/CE	: Repr. Cat. 1; R61 T; R48/23/25 R43 N; R50/53
2.2. Label elements	
2.2.1 Labelling EC 1272/2008 (CLP)	
Contains	: Lead Modified rosin

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SECTION 2 Hazards identification (continued)

Hazard pictograms



Signal words

: Danger

Hazard statements

: H317 : May cause an allergic skin reaction
H319 : Causes serious eye irritation
H360Df : May damage the unborn child. Suspected of damaging fertility.
H370 : Causes damage to organs.
H410 : Very toxic to aquatic life with long lasting effects

Precautionary statements :

• Prevention

: P201 : Obtain special instructions before use
P280 : Wear protective gloves/protective clothing/eye protection/face protection.
P273 : Avoid release to the environment

• Response

: P308 + P313 : IF exposed or concerned: Get medical advice/attention
P363 : Wash contaminated clothing before reuse

• Disposal considerations

: P501 : Dispose of contents / container to an authorized center in accordance with national regulation

2.3. Other hazards

: None under normal conditions

SECTION 3 Composition/information on ingredients

3.1./3.2. Substance / Preparation

: Preparation

Chemical nature

: Mixture of an organic part and metallic powder

Substance name	Contents	CAS No	EC No	Index No	Ref REACH	Classification
Modified rosin	< 5 %	----	----	----	----	Xi; R43 Skin Sens. 1;H317
Diethylene glycol monoheptyl ether	< 5 %	112-59-4	203-988-3	603-175-00-7	----	Xn; R21 Xi; R41 Eye Dam. 1;H318 Acute Tox. 4 (Dermal);H312
2-ethylhexane-1,3-diol	< 2 %	94-96-2	202-377-9	603-087-00-9	----	Xi; R41 Eye Dam. 1;H318
Reaction product of decanoic acid, 12-hydroxystearic acid and 1,2-ethanediamine	< 1 %	----	907-495-0	----	01-2119545465-35	Not classified. (DSD/DPD) Not classified. (GHS)
Alloy SnPbAg	89 90 %	----	----	----	----	Repr. Cat. 1; R61 Repr. Cat. 3; R62 T; R48/23/25 N; R50-53 Repr. 1A;H360Df STOT RE 1;H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Tin	62 %	7440-31-5	231-141-8	----	----	Not classified. (DSD/DPD) Not classified. (GHS)
Lead	36 %	7439-92-1	231-100-4	082-001-00-6	----	T; R60 T; R61 T; R48/23/25 N; R50-53 Repr. 1A;H360Df STOT RE 1;H372 Aquatic Acute 1;H400 Aquatic Chronic 1;H410
Silver	2 %	7440-22-4	231-131-3	----	----	Not classified. (DSD/DPD) Not classified. (GHS)

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SECTION 3 Composition/information on ingredients (continued)

SECTION 4 First aid measures

4.1. Description of first aid measures

- Inhalation** : Move the affected person to the fresh air
Give oxygen (to be given by an authorised person)
Call a doctor
- Skin contact** : Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention
- 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.
- Ingestion** : Never attempt to induce vomiting
Rinse mouth out with water
Call a doctor immediately
If possible show him this sheet. Failing this, show him the packaging or label

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

: No information available

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

: No information available

SECTION 5 Fire-fighting measures

5.1. Extinguishing media

- Suitable extinguishing media** : All extinguishing agents can be used
- Unsuitable extinguishing media** : None to our knowledge. If there is a fire close by, use suitable extinguishing agents

5.2. Special hazards arising from the substance or mixture

- Specific hazards** : Toxic vapours are released

5.3. Advice for firefighters

- Specific fire fighting methods** : Do not dispose of fire-fighting water in the environment
Do not breathe fumes

Protection of fire-fighters

- : Protective clothing
Self-contained breathing apparatus

SECTION 6 Accidental release measures

- 6.1. Personal precautions, protective equipment and emergency procedures** : Do not handle until all safety precautions have been read and understood
Do not breathe dust/fume/gas/mist/vapours/spray.
Contaminated work clothing should not be allowed out of the workplace
Wash hands thoroughly after handling.

- 6.2. Environmental precautions** : Do not allow product to spread into the environment

Clean up methods :

6.3. Methods and material for containment and cleaning up

- **Recovery** : Recover as much product as possible
Recover the product by scraping with a spatula or with a similar instrument
- **Cleaning/decontamination** : To clean the floor or objects contaminated by this product, use :
Isopropyl alcohol
Ethanol

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SECTION 6 Accidental release measures (continued)

- Disposal : For disposal of residues refer to section 13 : "Disposal considerations"
Do not discharge into drains
- 6.4 Reference to other sections : For further information refer to section 8 "Exposure controls/personal protection"

SECTION 7 Handling and storage

- 7.1. Precautions for safe handling
 - Technical measures : Vapour extraction at source
 - Precautions : Work in a well-ventilated area
Do not handle with bare hands
 - Industrial hygiene : Always wash your hands immediately after handling this product, and once again before leaving the workplace
Do not eat, drink or smoke when using this product
- 7.2. Conditions for safe storage, including any incompatibilities
 - Storage conditions
 - Recommended : Store :
- protected from humidity
- at temperature between 0 °C and 10 °C
 - Incompatible products : None, to our knowledge
 - Packaging materials
 - Recommended : Polypropylene
Polyethylene
Glass
 - Not suitable : Aluminium and its alloys
Copper and its alloys
- 7.3. Specific end use(s) : No data

SECTION 8 Exposure controls/personal protection

- 8.1. Control parameters
 - 8.1.1. Occupational Exposure Limits : Tin : USA (OSHA) : PEL - TWA (8h; mg/m³) : 2
Tin : Belgium : GWBB - TWA (8h; mg/m³) : 2
Lead : European Union : VME (8h; mg/m³) : (0.15 inhalable aerosol)
Lead : France : LEP - VME (8h; mg/m³) : (0.1 inhalable aerosol)
Lead : United Kingdom : WEL - TWA (8h; mg/m³) : 0.15
Lead : Germany : MAK - TWA (8h; mg/m³) : (0.15 inhalable aerosol)
Lead : Hungary : ÁK - TWA (8h; mg/m³) : (0.05 respirable aerosol)
Lead : Hungary : ÁK - TWA (8h; mg/m³) : (0.15 inhalable aerosol)
Lead : Hungary : ÁK - STEL (15min; mg/m³) : (0.6 inhalable aerosol)
Lead : Hungary : ÁK - STEL (15min; mg/m³) : (0.2 respirable aerosol)
Lead : Belgium : GWBB - TWA (8h; mg/m³) : 0.15
Lead : USA (OSHA) : PEL - TWA (8h; mg/m³) : (0.05 Total dust)
Lead : Switzerland : LEP - VME (8h; mg/m³) : (0.1 inhalable aerosol)
Lead : Switzerland : LEP - VLE (15min; mg/m³) : (0.8 inhalable aerosol)
Silver : France : LEP - VME (8h; mg/m³) : 0.1
Silver : United Kingdom : WEL - TWA (8h; mg/m³) : 0.1
Silver : Germany : MAK - TWA (8h; mg/m³) : (0.1 inhalable aerosol)
Silver : Germany : MAK - STEL (15min; mg/m³) : (0.8 inhalable aerosol)
Silver : Germany : TRK - TWA (8h; mg/m³) : (0.1 inhalable aerosol)
Silver : Germany : TRK - STEL (15min; mg/m³) : (0.8 inhalable aerosol)
Silver : USA (OSHA) : PEL - TWA (8h; mg/m³) : 0.01
Silver : Hungary : ÁK - TWA (8h; mg/m³) : 0.1

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SECTION 8 Exposure controls/personal protection (continued)

	Silver : Hungary : ÁK - STEL (15min; mg/m ³) : 0.4 Silver : Netherlands : MAC - TWA (8h; mg/m ³) : 0.1 Silver : European Union : VME (8h; mg/m ³) : 0.1 Silver : USA (NIOSH) : REL - TWA (8h; mg/m ³) : 0.01 Silver : Switzerland : LEP - VME (8h; mg/m ³) : (0.1 inhalable aerosol) Silver : Switzerland : LEP - VLE (15min; mg/m ³) : (0.8 inhalable aerosol) Reaction product of decanoic acid, 12-hydroxystearic acid and 1,2-ethanediamine : France : LEP - VME (8h; mg/m ³) : 10 Reaction product of decanoic acid, 12-hydroxystearic acid and 1,2-ethanediamine : USA (ACGIH) : TLV - TWA (8h; mg/m ³) : 10
Surveillance procedures	: - serum lead level
Personal protection :	
- Respiratory protection	: If the ventilation is suitable, it is not essential to wear respiratory equipment
- Hand protection	: Protective gloves made of latex Disposable protective gloves
- Eye protection	: Safety goggles
- Skin protection	: Protective clothing

SECTION 9 Physical and chemical properties

9.1. Information on basic physical and chemical properties	
9.1.a. Appearance	
Physical state	: Paste
Colour	: Grey.
9.1.b. Odour	: Mild
9.1.c. Odour threshold	: No information available
9.1.d. pH	: No information available
9.1.e. Melting point / Freezing point	: + 178 °C
9.1.f. Initial boiling point - boiling range	: No information available
9.1.g. Flash point	: Not applicable
9.1.h. Evaporation rate	: No information available
9.1.i. Flammability	: Non flammable.
9.1.j. Explosion limits (lower - upper)	: Not applicable
9.1.k. Vapour pressure	: No information available
9.1.l. Vapour density	: No information available
9.1.m. Density	: >4 g/cm ³
9.1.n. Solubility	
-in water	: Not miscible
9.1.o. Partition coefficient : n-octanol / water	: No information available
9.1.p. Auto-ignition temperature	: Not applicable
9.1.q. Thermal decomposition	: No information available
9.1.r. Viscosity	: 650 - 850 Pa.s at 20 °C
9.1.s. Explosive Properties	: Not explosive material according to EC criteria
9.1.t. Oxidising properties	: Non oxidizing material according to EC criteria

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SECTION 9 Physical and chemical properties (continued)

9.2. Other information : No information available

SECTION 10 Stability and reactivity

10.1. Reactivity : None under normal conditions
 10.2. Chemical stability : Stable at room temperature
 10.3. Possibility of hazardous reactions : No dangerous reactions known under normal conditions of use
 10.4. Conditions to avoid : Heat
 10.5. Incompatible materials : No information available
 10.6. Hazardous decomposition products : On thermal decomposition (pyrolysis), releases :
 Carbon oxides (CO, CO₂)
 Aliphatic aldehydes
 Lead

SECTION 11 Toxicological information

11.1. Information on toxicological effects

Acute toxicity : High temperature decomposition products are harmful by inhalation

On ingredients

Diethylene glycol monohexyl ether : Rat oral LD50 [mg/kg] : 2400
 : Rabbit dermal, LD50 [mg/kg] : 1400

Tin : Mouse oral LD50 [mg/kg] : 72
 : Rat inhalation LC50 [mg/l/4h] : 5.1

Reaction product of decanoic acid, 12-hydroxystearic acid and 1,2-ethanediamine : Rat dermal LD50 [mg/kg] : 2000
 : Rat oral LD50 [mg/kg] : 2000

2-ethylhexane-1,3-diol : Rat oral LD50 [mg/kg] : 5170
 : Rabbit dermal, LD50 [mg/kg] : 8939

- Skin corrosion/irritation : No information available
- Serious eye damage/irritation : Causes serious eye irritation
- Respiratory or skin sensitisation : May cause an allergic skin reaction
- Germ cell mutagenicity : No information available
- Carcinogenicity : No information available
- Reproductive toxicity : May damage the unborn child. Suspected of damaging fertility.
- STOT-single exposure : Causes damage to organs.
- STOT-repeated exposure : No information available
- Aspiration hazard : No information available

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SECTION 12 Ecological information

- 12.1. Toxicity : Very toxic to aquatic life with long lasting effects
Do not allow the product, as is, to spread into the environment
Contains :
Lead
- 12.2. Persistence and degradability : No information available
- 12.3. Bioaccumulative potential : No information available
- 12.4. Mobility in soil : No information available
- 12.5. Results of PBT and vPvB assessment : No information available
- 12.6. Other adverse effects : No information available

SECTION 13 Disposal considerations

- 13.1. Waste treatment methods
- WASTE FROM PRODUCT :**
- Prohibition :** : Discharging into rivers and drains is forbidden
Do not dispose of with domestic waste
Land-fill is forbidden
Do not bring to dump
- Destruction/Disposal** : Dispose of at a licensed waste collection center
- CONTAMINATED PACKAGING :**
- Decontamination/cleaning** : Empty the packaging completely prior to disposal
- Destruction/Disposal** : Entrust the thoroughly decontaminated packaging to a licensed waste-contractor
- NOTE** : The user's attention is drawn to the possible existence of specific european, national or local regulations regarding disposal

SECTION 14 Transport information

- 14.1. UN number : UN 3077
- 14.2. UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Lead)
- 14.3. Transport hazard class(es) : 9
- Hazard Label(s) : 9+ the environmentally hazardous substance mark



- 14.4. Packing group : III
- 14.5. Environmental hazards : Environmentally hazardous material : YES
Marine pollutant : YES
- 14.6. Special precautions for user
- Rail/road (RID/ADR)** : Classification code : M7
Tunnel restriction code : E
Hazard identification number : 90
Limited quantities : 5 kg
- Sea transport** : EmS Nr : F-A, S-F
Segregation group : -
Limited quantities : 5 kg

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SECTION 14 Transport information (continued)

Air transport (OACI/IATA)	: Passenger aircraft: Packing instruction: 956 Quantity: 400 kg Cargo aircraft: Packing instruction: 956 Quantity: 400 kg Limited quantities : Packing instruction: Y956 Quantity: 30 kg G
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	: Not applicable
NOTE	: Special provision : 375 (ADR) & A197 (IATA) : These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 kg are not subject to the requirements of ADR and IATA

SECTION 15 Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture	: Ensure all national/local regulations are observed.
France	: Professional diseases(table(s) nr 1 - 66) : applicable Modified decree of 11-04-1988, about the control of worker exposure to metallic lead and its compounds
15.2. Chemical safety assessment	: No information available

SECTION 16 Other information

Further information	: Product for industrial use only For more information regarding the use of this product, please refer to our technical information or contact the sales department in your region This safety data sheet has been written in conformity with the regulation (UE) 453/2010.
Text of R-Phrases in § 3	: R21 : Harmful in contact with skin. R41 : Risk of serious damage to eyes. R43 : May cause sensitization by skin contact. R48/23/25 : Toxic : danger of serious damage to health by prolonged exposure through inhalation and if swallowed. R50/53 : Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R60 : May impair fertility. R61 : May cause harm to the unborn child.
Text of H-Phrases in § 3	: H312 - Harmful in contact with skin H317 - May cause an allergic skin reaction H318 - Causes serious eye damage H360Df - May damage the unborn child. Suspected of damaging fertility. H372 - Causes damage to organs ... through prolonged or repeated exposure H400 - Very toxic to aquatic life H410 - Very toxic to aquatic life with long lasting effects
* Update	: Modifications are indicated by an asterisk (*)

This sheet complements the technical sheets but does not replace them. The information given is based on our knowledge of the product, at the time of publication. It is given in good faith.
Besides, the attention of the user is drawn to the possible risks incurred by using the product for any other use than that for which it was intended.

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In no way does this exempt the user from knowing and applying all the regulations controlling his activity. He alone will take on the responsibility for taking the precautions involved by the use of the product.
The aim of all the mandatory regulations mentioned is just to help the user to fulfil his obligations regarding the use of hazardous products.

This information must not be considered exhaustive. It does not exempt the user from ensuring that other obligations than those mentioned could apply, related to the storage and use of the product, this being his sole responsibility.

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