

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 1

Compilation date: 15/07/2014

Revision date: 30/06/2016

Revision No: 1a

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

1.1. Product identifier

Product name: IRS2129-1 (PART A)

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

1.3. Details of the supplier of the safety data sheet

Company name: INTERTRONICS
17 Station Field Industrial Estate
Kidlington
Oxfordshire
OX5 1JD
England
Tel: +44(0) 1865 842842
Fax: +44(0) 1865 842172
Email: msds@intertronics.co.uk

1.4. Emergency telephone number

Emergency tel: +44(0) 1865 842842
(office hours only)

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317; Aquatic Chronic 2: H411; -: EUH208

Most important adverse effects: Causes serious eye damage. Causes skin irritation. May cause an allergic skin reaction.
Toxic to aquatic life with long lasting effects. Contains epoxy phenol novalac, c13-c15 alkyl glycidyl ethers. May produce an allergic reaction.

2.2. Label elements

Label elements:

Hazard statements: H318: Causes serious eye damage.
H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H411: Toxic to aquatic life with long lasting effects.
EUH208: Contains epoxy phenol novalac, c13-c15 alkyl glycidyl ethers. May produce an allergic reaction.

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 2

Hazard pictograms: GHS05: Corrosion
GHS07: Exclamation mark
GHS09: Environmental



Signal words: Danger

Precautionary statements: P261: Avoid breathing mist.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310: Immediately call a doctor.
P302+352: IF ON SKIN: Wash with plenty of water/soap and water.
P333+313: If skin irritation or rash occurs: Get medical attention.
P273: Avoid release to the environment.

2.3. Other hazards

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

BISPHENOL A EPOXY RESIN (MW <700) - REACH registered number(s): 01-2119456619-26-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
500-033-5	25068-38-6	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	70-90%

1,4-BUTANEDIOL DIGLYCIDYL ETHER - REACH registered number(s): 01-2119494060-45-XXXX

219-371-7	2425-79-8	-	Acute Tox. 4: H302+312+332; Skin Sens. 1: H317; Aquatic Chronic 3: H412; Eye Dam. 1: H318; Skin Irrit. 2: H315	10-30%
-----------	-----------	---	--	--------

DIATOMACEOUS EARTH - REACH registered number(s): 01-2119379499-16-XXXX

231-545-4	7631-86-9	Substance with a Community workplace exposure limit.	-	1-10%
-----------	-----------	--	---	-------

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 3

EPOXY PHENOL NOVALAC - REACH registered number(s): 01-2119454392-40-XXXX

608-164-0	28064-14-4	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	<1%
-----------	------------	---	--	-----

C13-C15 ALKYL GLYCIDYL ETHERS

268-358-2	68081-84-5	-	Skin Irrit. 2: H315; Eye Irrit. 2: H319; Skin Sens. 1: H317; Aquatic Chronic 2: H411	<1%
-----------	------------	---	--	-----

Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water. If irritation occurs or persists, seek medical attention. Transfer to hospital if necessary.

Eye contact: Bathe the eye with running water for 15 minutes. Consult a doctor.

Ingestion: Do not induce vomiting. Wash out mouth with water. Consult a doctor.

Inhalation: Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

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

Skin contact: There may be irritation and redness at the site of contact. May cause sensitisation in susceptible individuals.

Eye contact: Corneal burns may occur. May cause permanent damage. There may be severe pain.

Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.

Inhalation: Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

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

Immediate / special treatment: Not applicable.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: In combustion emits toxic fumes.

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 4

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Do not attempt to take action without suitable protective clothing - see section 8 of SDS.
Mark out the contaminated area with signs and prevent access to unauthorised personnel.

6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Avoid direct contact with the substance. Avoid the formation or spread of mists in the air. Do not handle in a confined space.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed.

Suitable packaging: Must only be kept in original packaging.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

DIATOMACEOUS EARTH

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 5

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	-	-	2.4 mg/m ³	-

DNEL/PNEC Values

Hazardous ingredients:

BISPHENOL A EPOXY RESIN (MW <700)

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	12.25 mg/m ³	Workers	Systemic
DNEL	Dermal	8.33 mg/kg	Workers	Systemic
PNEC	Fresh water	6 ug/L	-	-
PNEC	Marine water	600 ng/L	-	-
PNEC	Microorganisms in sewage treatment	10 mg/L	-	-
PNEC	Fresh water sediments	996 ug/kg	-	-
PNEC	Marine sediments	99.6 ug/kg	-	-
PNEC	Soil (agricultural)	196 ug/kg	-	-
PNEC	Food chain	11 mg/kg	-	-

1,4-BUTANEDIOL DIGLYCIDYL ETHER

Type	Exposure	Value	Population	Effect
DNEL	Inhalation	4.7 mg/m ³	Workers	Systemic
DNEL	Dermal	6.66 mg/kg	Workers	Systemic
PNEC	Fresh water	24 ug/L	-	-
PNEC	Marine water	2.4 ug/L	-	-
PNEC	Microorganisms in sewage treatment	100 mg/L	-	-
PNEC	Fresh water sediments	84 ug/kg	-	-
PNEC	Marine sediments	8.4 ug/kg	-	-
PNEC	Soil (agricultural)	2.7 ug/kg	-	-
PNEC	Food chain	28 ug/kg	-	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area.

Respiratory protection: Self-contained breathing apparatus must be available in case of emergency.

Hand protection: Impermeable gloves.

Eye protection: Safety glasses. Ensure eye bath is to hand.

Skin protection: Impermeable protective clothing.

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 6

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Black

Odour: Perceptible odour

Viscosity: Viscous

Relative density: 1.19

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions.

10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous reactions will not occur under normal transport or storage conditions.

10.4. Conditions to avoid

Conditions to avoid: Heat.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents. Strong acids. Strong bases.

10.6. Hazardous decomposition products

Haz. decomp. products: In combustion emits toxic fumes.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

BISPHENOL A EPOXY RESIN (MW <700)

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 7

1,4-BUTANEDIOL DIGLYCIDYL ETHER

DERMAL	RAT	LD50	>2150	mg/kg
ORAL	RAT	LD50	1118	mg/kg
VAPOURS	RAT	4H LC50	>11.3	mg/l

DIATOMACEOUS EARTH

DERMAL	RBT	LD50	>5000	mg/kg
DUST/MIST	RAT	4H LC50	>2.08	mg/l
ORAL	RAT	LD50	>3300	mg/kg

EPOXY PHENOL NOVALAC

DERMAL	RAT	LD50	>2000	mg/kg
ORAL	RAT	LD50	>2000	mg/kg

Relevant hazards for product:

Hazard	Route	Basis
Skin corrosion/irritation	DRM	Hazardous: calculated
Serious eye damage/irritation	OPT	Hazardous: calculated
Respiratory/skin sensitisation	DRM	Hazardous: calculated

Symptoms / routes of exposure

- Skin contact: There may be irritation and redness at the site of contact. May cause sensitisation in susceptible individuals.
- Eye contact: Corneal burns may occur. May cause permanent damage. There may be severe pain.
- Ingestion: There may be soreness and redness of the mouth and throat. Nausea and stomach pain may occur.
- Inhalation: Exposure may cause coughing or wheezing. There may be irritation of the throat with a feeling of tightness in the chest.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

BISPHENOL A EPOXY RESIN (MW <700)

Daphnia magna	48H EC50	1.7	mg/l
GREEN ALGA (<i>Selenastrum capricornutum</i>)	72H ErC50	2.4	mg/l
RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)	96H LC50	1.2	mg/l

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 8

1,4-BUTANEDIOL DIGLYCIDYL ETHER

Scenedesmus Subspicatus	72H ErC50	110	mg/l
ZEBRAFISH (Brachydanio rerio)	96H LC50	24	mg/l

EPOXY PHENOL NOVALAC

ALGAE	72H ErC50	9.4	mg/l
Daphnia magna	48H EC50	1.7	mg/l
FISH	96H LC50	1.5	mg/l

12.2. Persistence and degradability

Persistence and degradability: Not readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: No bioaccumulation potential.

12.4. Mobility in soil

Mobility: Non-volatile.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Toxic to aquatic organisms.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.

Disposal of packaging: Arrange for collection by specialised disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN3082

14.2. UN proper shipping name

Shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(BISPHENOL A EPOXY RESIN (MW <700))

[cont...]

SAFETY DATA SHEET

IRS2129-1 (PART A)

Page: 9

14.3. Transport hazard class(es)

Transport class: 9

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: E

Transport category: 3

Section 15: Regulatory information

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

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.

H302+312+332: Harmful if swallowed, in contact with skin or if inhaled.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H411: Toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.