

Safety data sheet
according to 1907/2006/EC, Article 31

Printing Date: 09.01.2020

Version Number: 1.0

Revision Date: 09.01.2020

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

1.1 Product identifier:

Trade name: ***RIW FLEXISEAL 500 METAL PRIMER***

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

Identified uses advised against: No further relevant information available.

1.3 Details of the supplier of the safety data sheet:

Manufacturer/supplier:

RIW Limited
580-581 Ipswich Road,
Slough, Berkshire
SL1 4EQ

Tel: +44 (0)1753 944210

www.riw.co.ukFurther information obtainable from: enquiries@riw.co.uk

1.4 Emergency telephone number:

For Chemical Emergency: (Spill, Leak, Fire, Exposure or Accident) - Call CHEMTREC (Day/Night) on:

Within USA & Canada : 800-424-9300,
Outside USA & Canada : +1 703-741-5970

National emergency telephone number: CHEMTREC UK +(44)-870-8200418

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008

Flam. Liq. 2 H225 Highly flammable liquid and vapour.
Acute Tox. 4 H332 Harmful if inhaled.
Eye Irrit. 2 H319 Causes serious eye irritation.
Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.

2.2 Label elements:

Labelling according to Regulation (EC) No 1272/2008

The product is classified and labelled according to the CLP regulation.

Hazard pictograms



GHS02 GHS07 GHS09

Signal word Danger

Hazard-determining components of labelling:

4-methylpentan-2-one
Xylene

Hazard statements

H225 Highly flammable liquid and vapour.
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Precautionary statements

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.
 P273 Avoid release to the environment.
 P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Hazard description: Flammable**2.3 Other hazards:****Results of PBT and vPvB assessment:****PBT:** Not applicable.**vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

3.2 Chemical characterization: Mixture:**Description:**

Mixture of substances listed below with non-hazardous additions.

For further information, please refer to the product technical data sheet.

Dangerous components:

CAS: 108-65-6 EINECS: 203-603-9 Index number: 607-195-00-7 Reg.nr.: 01-2119475791-29-XXXX	1-methoxy-2-propyl acetate Flam. Liq. 3, H226	25-<30%
CAS: 108-10-1 EINECS: 203-550-1 Index number: 606-004-00-4 Reg.nr.: 01-2119473980-30-XXXX	4-methylpentan-2-one Flam. Liq. 2, H225 Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	10-<20%
CAS: 1330-20-7 EINECS: 215-535-7 Index number: 601-022-00-9 Reg.nr.: 01-2119488216-32-XXXX	Xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-<10%
CAS: 7779-90-0 EINECS: 231-944-3 Index number: 030-011-00-6 Reg.nr.: 01-2119485044-40-XXXX	trizinc bis(orthophosphate) Aquatic Acute 1, H400; Aquatic Chronic 1, H410	5-<10%
CAS: 1318-02-1 EINECS: 215-283-8	Zeolite (crystalline aluminosilicate) substance with a Community workplace exposure limit	1-<3%

SECTION 4: First aid measures

4.1 Description of first aid measures:**General information:** Get medical advice/attention if you feel unwell.**After inhalation:**

IF INHALED: Remove person to fresh air and keep comfortable for breathing.

IF INHALED: Call a doctor if you feel unwell.

After skin contact: Wash with plenty of soap and water.**After eye contact:** Rinse cautiously with water for several minutes.**After swallowing:**

Rinse mouth.

Do NOT induce vomiting.

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

Dizziness

Irritating to eyes.

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

If skin irritation occurs: Get medical advice/attention.

SECTION 5: Firefighting measures**5.1 Extinguishing media:**Suitable extinguishing agents: CO₂, extinguishing powder or water spray. Fight larger fire with alcohol resistant foam.

For safety reasons unsuitable extinguishing agents: Water jet.

5.2 Special hazards arising from the substance or mixture: CO, CO₂.**5.3 Advice for firefighters:**

Protective equipment: Wear self-contained respiratory protective device.

Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

6.2 Environmental precautions: Inform respective authorities in case of seepage into water course or sewage system.**6.3 Methods and material for containment and cleaning up:**

Send for recovery or disposal in suitable receptacles.

6.4 Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

SECTION 7: Handling and storage**7.1 Precautions for safe handling:**

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Do not eat, drink or smoke when using this product.

Store in a well-ventilated place. Keep container tightly closed.

Keep only in original packaging.

Use only outdoors or in a well-ventilated area.

Information about fire - and explosion protection:

Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

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Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Ground and bond container and receiving equipment.

7.2 Conditions for safe storage, including any incompatibilities:

STORAGE

Requirements to be met by storerooms and receptacles: Store in a cool location.

Further information about storage conditions:

Keep container tightly sealed.

Protect from frost.

Store in a dry place.

Keep cool.

7.3 Specific end use(s): No further relevant information available.

SECTION 8: Exposure controls/personal protection

Additional information about design of technical facilities: No further data; see item 7.

8.1 Control parameters:

Ingredients with limit values that require monitoring at the workplace:

108-65-6 1-methoxy-2-propyl acetate

WEL	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
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108-10-1 4-methylpentan-2-one

WEL	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
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1330-20-7 Xylene

WEL	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
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1318-02-1 Zeolite (crystalline aluminosilicate)

TWA RESPIRABLE DUST	Long-term value: 4.0 mg/m ³
TWA TOTAL INHALABLE DUST	Long-term value: 10.0 mg/m ³

DNELs

1318-02-1 Zeolite (crystalline aluminosilicate)

Dermal	DNEL acute local eff	2,808 mg/m ² (daphnia magna)
Inhalative	DNEL acute systemic	10 mg/m ³ (scenedesmus subspicatus)

Ingredients with biological limit values:

108-10-1 4-methylpentan-2-one

BMGV	20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one
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1330-20-7 Xylene

BMGV	650 mmol/mol creatinine Medium: urine Sampling time: post shift Parameter: methyl hippuric acid
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Additional information: Based on the lists valid at the date of SDS creation.

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8.2 Exposure controls:**PERSONAL PROTECTIVE EQUIPMENT****General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals.

Respiratory protection:

Control exposure to ingredients with workplace control parameters if mentioned above. If no ingredients are listed, respiratory protection is generally not required.

If exposure limits are listed and may be exceeded, use approved respiratory protective equipment and filter type appropriate for the listed ingredients. (NIOSH, CEN, etc.).

EN 143.

Protection of hands:

Protective gloves.

EN 374.

Material of gloves:

Rubber gloves.

Rubber or other impervious gloves should be worn to prevent skin contact.

Penetration time of glove material:

The exact breakthrough time has to be determined by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Safety glasses with side shield protection.

EN 166.

Body protection:

Use personal protective equipment as required.

Take off contaminated clothing.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:**GENERAL INFORMATION****Appearance:**

Form:	Liquid.
Colour:	Various.
Odour:	Solvent-like
Odour threshold:	Not determined.

pH-value (~): Not determined.

Change in conditions:-

Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Not determined.
Flash point:	22 °C

Flammability (solid, gas): Not applicable.

Ignition temperature: 370 °C

Decomposition temperature: Not determined.

Auto-ignition temperature: Not determined.

Explosive properties: In use, may form flammable/explosive vapour-air mixture.

EXPLOSION LIMITS

Lower: Not determined.

Upper: Not determined.

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VOC Content:	Not determined.
Vapour pressure:	Not determined.
Density:	Not determined.
Relative density:	~1.2
Vapour density:	Not determined.
Evaporation rate:	Not determined.
Solubility in/Miscibility with:- Water:	Not miscible or difficult to mix.
Partition coefficient: n-octanol/water:	Not determined.
VISCOSITY	
Dynamic:	Not determined.
Kinematic:	Not determined.
Molecular weight	Not applicable.
9.2 Other information:	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under normal conditions.

No further relevant information available.

10.2 Chemical stability:

Thermal decomposition / conditions to be avoided: No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

No further relevant information available.

10.4 Conditions to avoid:

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

10.5 Incompatible materials: No further relevant information available.

10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide.

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

ACUTE TOXICITY

Harmful if inhaled.

LD/LC50 values relevant for classification:

108-65-6 1-methoxy-2-propyl acetate

Oral	LD50	8,532 mg/kg (rat)
Dermal	LD50	8,500 mg/kg (rat)
Inhalative	LD50	>5,000 mg/kg (rat) ((cutaneous))
	LC50, 4h	35.7 mg/l (rat)
	CL50, 4h	35,700 mg/m ³ (rat)

108-10-1 4-methylpentan-2-one

Dermal	LD50	2,100 mg/kg (rat)
	LD50	16,000 mg/kg (rabbit)
Inhalative	LC50, 4h	8.3-16.6 mg/l (rat)

1330-20-7 Xylene

Oral	LD50	3,523 mg/kg (rat)
Inhalative	LC50, 4h	26 mg/m ³ (rat)

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7779-90-0 trizinc bis(orthophosphate)

Dermal	LD50	>5,000 mg/kg (rat)
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Primary irritant effect**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation**

Causes serious eye irritation.

Inhalation: Harmful if inhaled.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Repeated dose toxicity:****1318-02-1 Zeolite (crystalline aluminosilicate)**

Oral	NOAEL/28d	1,800 mg/kg bw/d (bra)
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Germ cell mutagenicity Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1 Toxicity:**AQUATIC TOXICITY****108-65-6 1-methoxy-2-propyl acetate**

CL50, 96h	>100 mg/l (fish) ((OECD 203))
CE50, 48h	408 mg/l (daphnia magna) ((OECD 202))
CE50, 72h	>1,000 mg/l (algae) ((OECD 201))

12.2 Persistence and degradability: No further relevant information available.**12.3 Bioaccumulative potential:** No further relevant information available.**12.4 Mobility in soil:** No further relevant information available.**ECOTOXICAL EFFECTS****Remark:** Toxic for fish**ADDITIONAL ECOLOGICAL INFORMATION****General notes:**

Toxic for aquatic organisms.

Also poisonous for fish and plankton in water bodies.

12.5 Results of PBT and vPvB assessment:**PBT:** Not applicable.**vPvB:** Not applicable.**12.6 Other adverse effects:** No further relevant information available.

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SECTION 13: Disposal considerations

13.1 Waste treatment methods:

Recommendation:



Must not be disposed together with household garbage. Do not allow product to reach sewage system.

UNCLEANED PACKAGING

Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport information

14.1 UN-Number

ADR, IMDG, IATA

UN1866

14.2 UN proper shipping name

ADR

IMDG

IATA

RESIN SOLUTION, ENVIRONMENTALLY HAZARDOUS
RESIN SOLUTION (trizinc bis(orthophosphate)), MARINE
POLLUTANT
RESIN SOLUTION

14.3 Transport hazard class(es)

ADR, IMDG



Class
Label

3 Flammable liquids.
3

IATA



Class
Label

3 Flammable liquids.
3

14.4 Packing group

ADR, IMDG, IATA

II

14.5 Environmental hazards:

Marine pollutant:

Special marking (ADR):

Symbol (fish and tree)

Symbol (fish and tree)

14.6 Special precautions for user:

Danger code (Kemler):

EMS Number:

Stowage Category

Warning: Flammable liquids.

33

F-E,S-E

E

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:

Not Regulated

Transport/Additional information:

ADR

Limited quantities (LQ)

Excepted quantities (EQ)

Transport category

5L

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

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Tunnel restriction code

D/E

IMDG**Limited quantities (LQ)****Excepted quantities (EQ)**

5L

Code: E2

Maximum net quantity per inner packaging: 30 ml

Maximum net quantity per outer packaging: 500 ml

SECTION 15: Regulatory information

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

See Section 2 for hazard identification.

Directive 2012/18/EU

Named dangerous substances - ANNEX I None of the ingredients is listed.

Seveso category

E2 Hazardous to the Aquatic Environment

P5c FLAMMABLE LIQUIDS

Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Relevant phrases:

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H312 Harmful in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

Department issuing SDS:

EHS Department,

Asia Pacific Region

SCIP, Canlubang, Calamba City, Laguna

Philippines 4028

Tel: +63 (02) 8236-6820 to 24

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