

Material Safety Data Sheet

Plasma Anti-Rust 2309

1. Company Identification and Product Information

Product Name: Plasma Anti-Rust 2309

Application Corrosion inhibitor for closed systems

Supplier: Swift Cut Automation Ltd
Unit 4.1
Archers
Alrewas Road
Kings Bromley
DE13 7HW

Telephone 01543 473300
Fax 01543 473443
Email sales@cncplasma.co.uk

Emergency (only) Telephone: 01543 473300

2. Hazard Identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Not Classified

Health hazards Skin Sens. 1 - H317

Environmental hazards Not Classified

Classification (67/548/EEC or 1999/45/EC)

2.2. Label elements

Material Safety Data Sheet



Pictogram

Signal word

Warning

Hazard statements

H317 May cause an allergic skin reaction.

Precautionary statements

P272 Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P362+P364 Take off contaminated clothing and wash it before reuse.

P501 Dispose of contents/container in accordance with national regulations.

P401 Store in accordance with national regulations.

Supplemental label information

RCH002b For professional users only.

RCH004b Persons suffering from asthma, eczema or skin problems should avoid contact, including dermal contact, with this product.

Contains Acetic acid,2-hydroxy-2-phosphono-, potassium salt

2.3. Other hazards

Not applicable.

3. Composition Information

Material Safety Data Sheet

3.2. Mixtures

DISODIUM TETRABORATE DECAHYDRATE

1-5%

CAS number: 1303-96-4 EC number: 215-540-4 REACH registration number: 01-2119490790-32-XXXX

Classification

Classification (67/548/EEC or 1999/45/EC)

Repr. 1B - H360FD

Repr. Cat. 2;R60,R61

BENZOTRIAZOLE

1-5%

CAS number: 95-14-7 EC number:

REACH registration number: 01-2119979079-20-XXXX

Classification

Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302

Xn;R20/22. Xi;R36. R52/53.

Eye Irrit. 2 - H319

Aquatic Chronic 3 - H412

Acetic acid,2-hydroxy-2-phosphono-, potassium salt

1-5%

CAS number: 129836-12-0 EC number: -

Classification

Classification (67/548/EEC or 1999/45/EC)

Acute Tox. 4 - H302 -

Skin Sens. 1 - H317

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

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4. First Aid Measures

4.1. Description of first aid measures

Inhalation

Material Safety Data Sheet

Move affected person to fresh air at once. Rinse nose and mouth with water. Get medical attention if any discomfort continues.

Ingestion

Never give anything by mouth to an unconscious person. Do not induce vomiting. Rinse mouth thoroughly with water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Remove affected person from source of contamination. Remove any contact lenses and open eyelids wide apart. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes. Continue to rinse for at least 15 minutes and get medical attention.

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

General information

None noted, however, the casualty should be transferred to hospital if any unusual adverse symptoms develop.

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

Notes for the doctor

Treat symptomatically.

5. Fire Fighting Measures

5.1. Extinguishing media

Suitable extinguishing media

Material Safety Data Sheet

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

5.2. Special hazards arising from the substance or mixture

Specific hazards

No unusual fire or explosion hazards noted.

Hazardous combustion products

Heating may generate the following products: Toxic and corrosive gases or vapours.

5.3. Advice for firefighters

Protective actions during firefighting

No specific firefighting precautions known.

Special protective equipment for firefighters

Wear chemical protective suit.

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Wear protective clothing as described in Section 8 of this safety data sheet.

6.2. Environmental precautions

Environmental precautions

Observe all national regulations Avoid discharge to the aquatic environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up

Material Safety Data Sheet

Stop leak if possible without risk. Absorb in vermiculite, dry sand or earth and place into containers. Flush contaminated area with plenty of water. Flush away spillage with plenty of water. Flush contaminated area with plenty of water. The requirements of the local water authority must be complied with if contaminated water is flushed directly to the sewer.

6.4. Reference to other sections

Reference to other sections

For waste disposal, see section 13.

7. Handling and Storage

7.1. Precautions for safe handling

Usage precautions

Avoid spilling. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions

Keep container tightly closed, in a cool, well ventilated place. Only store in correctly labelled containers. Keep containers upright.

7.3. Specific end use(s)

Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

Usage description

Use as directed by supplier

8. Exposure Controls

Material Safety Data Sheet

8.2. Exposure controls



Protective equipment

Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours. Observe any occupational exposure limits for the product or ingredients.

Eye/face protection

The following protection should be worn: Chemical splash goggles.

Hand protection

It is recommended that chemical-resistant, impervious gloves are worn. To protect hands from chemicals, gloves should comply with European Standard EN374. Wear protective gauntlets made of the following material: Butyl rubber. Nitrile rubber. Polyvinyl chloride (PVC). Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected.

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact.

Hygiene measures

Provide eyewash station and safety shower. Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes contaminated. Promptly remove any clothing that becomes contaminated. When using do not eat, drink or smoke.

Respiratory protection

Material Safety Data Sheet

No specific recommendations. Respiratory protection may be required if excessive airborne contamination occurs.

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance Liquid.

Colour Colourless to brown solution

Odour Characteristic.

pH pH (concentrated solution): 7-8

Relative density 1.00-1.10 @ °C

Solubility(ies) Soluble in water.

9.2. Other information

Other information None.

10. Stability and Reactivity

10.1. Reactivity

There are no known reactivity hazards associated with this product.

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

Not determined. Will not polymerise.

Material Safety Data Sheet

10.4. Conditions to avoid

Avoid excessive heat for prolonged periods of time. Avoid freezing temperatures

10.5. Incompatible materials

Materials to avoid Acids Strong oxidising agents.

10.6. Hazardous decomposition products

No known hazardous decomposition products.

11. Toxicological Information

11.1. Information on toxicological effects

Toxicological effects

Low toxicity

Acute toxicity - oral

ATE oral (mg/kg)

19,230.76923077

Inhalation

Gas or vapour in high concentrations may irritate the respiratory system. Symptoms following overexposure may include the following: Coughing.

Ingestion

May cause discomfort if swallowed.

Skin contact

Irritating to skin.

Eye contact

Irritating to eyes.

Material Safety Data Sheet

12. Ecological Information

Ecotoxicity

Not classified as environmentally hazardous for supply. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

12.1. Toxicity

Low toxicity

12.2. Persistence and degradability

Persistence and degradability

Not persistent No data available.

12.3. Bioaccumulative potential

The product does not contain any substances expected to be bioaccumulating.

12.4. Mobility in soil

Mobility

The product is soluble in water.

12.5. Results of PBT and vPvB assessment

This substance is not classified as PBT or vPvB according to current EU criteria.

12.6. Other adverse effects

None known.

Material Safety Data Sheet

13. Disposal Considerations

13.1. Waste treatment methods

General information

Contact a licensed waste disposal company.

Disposal methods

Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.

14. Transportation Information

General

The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1. UN number Not applicable.

14.2. UN proper shipping name Not applicable.

14.3. Transport hazard class(es) No transport warning sign required.

14.4. Packing group Not applicable.

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant , No.

14.6. Special precautions for user

Not applicable.

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

Not applicable.

Material Safety Data Sheet

15. Regulatory Information

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

EU legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).

Guidance

Workplace Exposure Limits EH40.

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other Information

General information

Only trained personnel should use this material. Further details may be available from the supplier.

Key literature references and sources for data

REACH registered substances database Other safety data sheets relevant to individual chemical constituents within this product.

Risk phrases in full

NC

Not classified.

Material Safety Data Sheet

R20/22	Harmful by inhalation and if swallowed.
R36	Irritating to eyes.
R36/37/38	Irritating to eyes, respiratory system and skin.
R52/53	Harmful 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.

Hazard statements in full

H302	Harmful if swallowed.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.

H360FD

May damage fertility. May damage the unborn child.

H412	Harmful to aquatic life with long lasting effects.
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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication, however no guarantee is made to its accuracy. The information given is prepared only as guidance for safe handling, use, processing, storage, transportation, disposal and release and should not be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material when used in combination with any other materials or in any process, unless specified in this Safety Data Sheet.

Date 01st June 2015

Version 06.15