

T H E L E A D I N G E D G E

# PRODUCT DATA SHEET

## MATERIAL SAFETY DATA SHEET

PRODUCT NAME: ANTI CORROSION POWDER

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

#### 1.1 Product identifier

Trade name: Erodex Anti-Corrosion Powder

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

General use: Anti-Oxidizing Additive for Electric Spark Wire Cutting Powder For industrial purposes only

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

Erodex (UK) Ltd,  
Tipper Industrial Estate, Park Road, Halesowen, West Midlands B63 2RH  
+44 (0)1384 892011  
sales@erodex.com  
www.erodex.com

#### 1.4 Emergency telephone number

+44 (0)1384 892011  
(Monday - Friday 8AM - 5PM)

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

Classification according to EC regulation 1272/2008 (CLP)

This mixture is classified as not hazardous.

Classification according to Directive 67/548/EEC or 1999/45/EC

This preparation is classified as not hazardous.

#### 2.2 Label elements

Labelling (CLP)

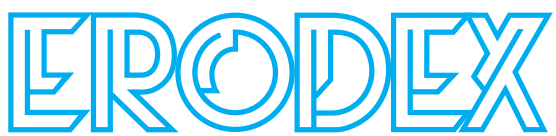
Hazard statements: not applicable

Precautionary statements: not applicable

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

R phrase(s): not applicable

S phrase(s): not applicable



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### 2.3 Other hazards

Inhalation of dust may cause irritation of the respiratory system.

Dust contact with the eyes can lead to mechanical irritation.

## SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

### 3.1 Substances

Not applicable

### 3.2 Mixtures

Chemical characterization: Preparation with organic materials

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

In case of inhalation:

Move victim to fresh air. Gargle with water.

In case of skin contact:

Immediately wipe affected skin area with paper towel or cloth.

Thoroughly wash skin with soap and water. In case of skin irritation, consult a physician.

After eye contact:

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart. In case of troubles or persistent symptoms, consult an ophthalmologist.

After swallowing:

Do NOT induce vomiting. Rinse mouth with water.

Never give an unconscious person anything through the mouth.

Consult physician immediately.

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

Inhalation of dust may cause irritation of the respiratory system.

Dust contact with the eyes can lead to mechanical irritation.

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

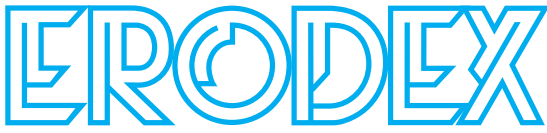
Treat symptomatically.

## SECTION 5: FIREFIGHTING MEASURES

### 5.1 Extinguishing media

Suitable extinguishing media:

Extinguishing powder, foam, water fog, carbon dioxide.



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### 5.2 Special hazards arising from the substance or mixture

Heating causes rise in pressure with risk of bursting.  
Emits toxic fumes under fire conditions.

### 5.3 Advice for firefighters

Special protective equipment for firefighters:  
Wear self-contained breathing apparatus and protective clothing to protect skin and eyes.  
Additional information: Hazchem-Code: -  
Fight fire from a safe distance. Do not breathe fumes. Use fine water spray to cool endangered containers.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Provide adequate ventilation. Do not breathe dust.  
Wear protective equipment. Avoid contact with skin and eyes.

### 6.2 Environmental precautions

Do not allow to penetrate into soil, waterbodies or drains.

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

Avoid generation of dust. Remove all sources of ignition.  
Take up mechanically, placing in appropriate containers for disposal.

### 6.4 Reference to other sections

Refer additionally to section 8 and 13.

## SECTION 7: HANDLING AND STORAGE

### 7.1 Precautions for safe handling

Advices on safe handling:  
When not in use, keep containers tightly closed.  
Provide adequate ventilation, and local exhaust as needed. Do not breathe dust.  
Use only in well-ventilated areas. Use vacuum to remove dust directly during formation.  
Vapours/aerosols must be exhausted directly at the point of origin.  
Wear protective equipment. Avoid contact with skin and eyes.  
Wash hands before breaks and after work.

Precautions against fire and explosion:

Keep away from sources of ignition. - No smoking. Use only explosion-proof equipment.

### 7.2 Conditions for safe storage, including any incompatibilities

Requirements for storerooms and containers:

Keep container tightly closed in a cool, well-ventilated place.  
Keep away from heat sources, sparks and open flames.  
Protect from humidity and water. Protect from light.  
Do not store together with oxidizing agents.  
11 = Combustible solids

Hints on joint storage:

Storage class:

### 7.3 Specific end use(s)

No information available.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

Additional information: Contains no substances with occupational exposure limit values.

### 8.2 Exposure controls

Use vacuum to remove dust directly during formation.

Vapours/aerosols must be exhausted directly at the point of origin.

Personal protection equipment

Occupational exposure controls

Respiratory protection: In the case of the formation of dust: Particulates filter P1 according to EN 143.

Hand protection: Protective gloves according to EN 374.

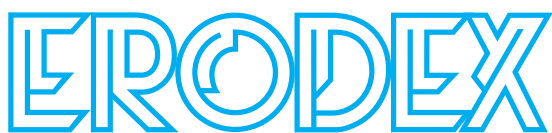
Glove material: Nitrile rubber.  
Breakthrough time: > 480 min.  
Observe glove manufacturer's instructions concerning penetrability and breakthrough time.

Eye protection: Tightly sealed goggles according to EN 166.

Body protection: Wear suitable protective clothing.

General protection and hygiene measures:

Do not breathe dust. Use only in well-ventilated areas.  
Avoid contact with skin and eyes. When using do not eat, drink or smoke.  
Wash hands before breaks and after work. Gargle with water.  
Work place should be equipped with a shower and an eye rinsing apparatus.



THE LEADING EDGE

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### SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

#### 9.1 Information on basic physical and chemical properties

Appearance:	Form: solid, powder
Colour:	white
Odour:	odourless
Odour threshold:	no data available
pH value:	no data available
Melting point/freezing point:	> 95 °C
Initial boiling point and boiling range:	no data available
Flash point/flash point range:	no data available
Evaporation rate:	no data available
Flammability:	no data available
Explosive properties:	no data available
Explosion limits:	no data available
no data available	no data available
Vapour pressure:	negligible
Vapour density:	no data available
Density:	no data available
Water solubility:	soluble
Partition coefficient: n-octanol/water:	no data available
Auto-ignition temperature:	no data available
Thermal decomposition:	no data available
Viscosity, dynamic:	no data available
Explosive properties:	no data available
Oxidizing characteristics:	no data available

#### 9.2 Other information

Additional information: no data available

### SECTION 10: STABILITY AND REACTIVITY

#### 10.1 Reactivity

Refer to 10.3

#### 10.2 Chemical stability

Product is stable under normal storage conditions.

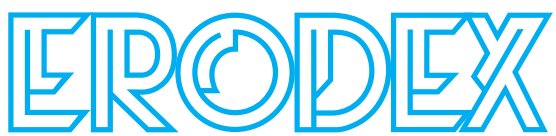
#### 10.3 Possibility of hazardous reactions

No hazardous reactions known.

#### 10.4 Conditions to avoid

Dust explosion risk.

Keep away from heat sources, sparks and open flames.



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### 10.5 Incompatible materials

Humidity, water

### 10.6 Hazardous decomposition products

Emits toxic fumes under fire conditions.

Thermal decomposition: no data available

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

Acute toxicity:

LD50 Rat, oral: > 5000 mg/kg

LD50 Rat, dermal: > 5000 mg/kg

Toxicological effects:

Acute toxicity (oral): Based on available data, the classification criteria are not met.

Acute toxicity (dermal): Based on available data, the classification criteria are not met.

Acute toxicity (inhalative): Lack of data. Inhalation of dust may cause irritation of the respiratory system.

Skin corrosion/irritation: Lack of data.

Eye damage/irritation: Lack of data. Dust contact with the eyes can lead to mechanical irritation.

Sensitisation to the respiratory tract: Lack of data.

Skin sensitisation: Lack of data.

Germ cell mutagenicity/Genotoxicity: Lack of data.

Carcinogenicity: Lack of data.

Reproductive toxicity: Lack of data.

Effects on or via lactation: Lack of data.

Specific target organ toxicity

(single exposure): Lack of data.

Specific target organ toxicity (

repeated exposure): Lack of data.

Aspiration hazard: Lack of data.

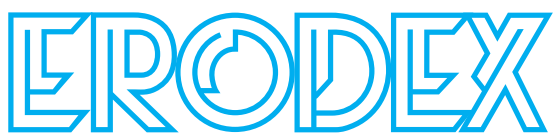
## SECTION 12: ECOLOGICAL INFORMATION

### 12.1 Toxicity

Further details: no data available

### 12.2. Persistence and degradability

Further details: no data available



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### 12.3 Bioaccumulative potential

Partition coefficient: n-octanol/water:  
no data available

### 12.4 Mobility in soil

no data available

### 12.5 Results of PBT and vPvB assessment

no data available

### 12.6 Other adverse effects

General information: Do not allow to enter into ground-water, surface water or drains.

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

Product

Waste key number: 07 01 99 = Wastes from the manufacture, formulation, supply and use (MFSU) of basic organic chemicals

MFSU = manufacture, formulation, supply and use

Recommendation:

Dispose of waste according to applicable legislation.

Contaminated packaging

Waste key number:

15 01 02 = Plastic packaging or 150101 = Paper and cardboard packaging

Recommendation:

Dispose of waste according to applicable legislation.

## SECTION 14: TRANSPORT INFORMATION

### 14.1 UN number

ADR/RID, IMDG, IATA: not applicable

### 14.2 UN proper shipping name

ADR/RID, IMDG, IATA: Not restricted

### 14.3 Transport hazard class(es)

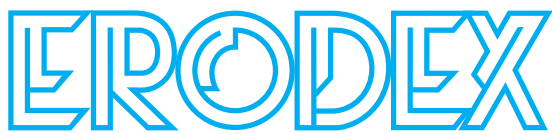
ADR/RID, IMDG, IATA: not applicable

### 14.4 Packing group

ADR/RID, IMDG, IATA: not applicable

### 14.5 Environmental hazards

Marine pollutant: No



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### 14.6 Special precautions for user

No dangerous good in sense of these transport regulations.

### 14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

no data available

## SECTION 15: REGULATORY INFORMATION

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

National regulations - Great Britain

Hazchem-Code: -

### 15.2 Chemical Safety Assessment

For this mixture a chemical safety assessment is not required.

## SECTION 16: OTHER INFORMATION

Further information

Date of first version: 15/1/2013

Department issuing data sheet

Contact person: see section 1: Dept. responsible for information

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

The information in this data sheet has been established to our best knowledge and was up-to-date at time of revision. It does not represent a guarantee for the properties of the product described in terms of the legal warranty regulations.