



# MATERIAL SAFETY DATA SHEET

10<sup>th</sup> July 2017

## GARDEN FURNITURE & DECKING RESTORER

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

- 1.1 **Product identifier:** Garden Furniture & Decking Restorer
- 1.2 **Relevant identified uses of the substance or mixture and uses advised against**  
**Relevant identified uses**  
 Product categories [PC] PC9A – Coatings and paints, thinners, paint removers
- 1.3 **Details of the supplier of the safety data sheet**  
**Supplier (manufacturer/importer/only representative/downstream user/distributor)**
- R.K.& J. Jones Ltd  
 Southery Road,  
 Feltwell  
 Thetford,  
 Norfolk, IP26 4EH.
- Telephone:** 01842 828101  
**Fax:** 01842 828171
- 1.4 **Emergency tel.** 01223 968282

### SECTION 2: HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

##### **Classification according to Regulation (EC) No. 1272/2008 [CLP]**

Eye Dam. 1; H319-Serious Eye damage/eye irritation: Category 1; Causes serious eye damage.

**Hazard classes and hazard categories** Eye Dam. 1

##### **Physical hazards**

Flammable liquids: No

##### **Health Hazards**

Acute toxicity (dermal): No  
 Skin Corrosion/Irritation: No  
 Serious eye damage/eye irritation: Category 1  
 Specific target organ toxicity (single exposure): No  
 Specific target organ toxicity (respiratory tract irritation): No  
 Specific target organ toxicity (Narcosis): No  
 Aspiration hazard: No  
 Sensitisation (respiratory): No  
 Sensitisation (skin): No  
 Reproductive toxicity: No  
 Reproductive toxicity, Effects on or via lactation: No  
 Specific target organ toxicity (Repeated exposure): No  
 Eye Dam.1

**2.2 Label Element****Labelling according to Regulation (EC) No. 1272/2008 [CLP]****Hazard Pictograms**

Corrosion (GHS05)  
Danger

**Signal word****Hazard components for labelling**

OXALIC ACID ; CAS No. :144-62-7

**Hazard Statements**

H318 Causes serious eye damage

**Precautionary statements**

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

P310 Immediately call a POISON CENTRE or doctor/ physician.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**2.3 Other hazards**

None

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.2 Mixtures****Hazardous ingredients**

OXALIC ACID; EC NO. 205-634-3; CAS No: 144-62-7  
Weight fraction: 7-10%

Classification 1272/2008 [CLP]

Eye Dam.1:H318 Acute Tox.4; H302 Acute Tox 4; H312

**Additional information**

Full text of R-H-and EUH-phrases: see Section 16

**3.3 Additional information**

All ingredients of this mixture are (pre)registered according to REACH regulation.

**SECTION 4: FIRST AID MEASURES****4.1 Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice. Never give anything by mouth to an unconscious person or person with cramps.

**After inhalation**

Remove casualty to fresh air and keep warm and at rest. If breathing is in irregular or stopped, administer artificial respiration.

**In case of skin contact**

After contact with skin, wash immediately with plenty of water and soap. Do not wash with: solvents/thinners.

**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**

None

**SECTION 5: FIRE FIGHTING MEASURES**

- 5.1 Extinguishing media**  
**Suitable extinguishing media** Alcohol resistant foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>) Sand. Water mist.
- Unsuitable extinguishing media** High power water jet.
- 5.2 Special hazards arising from the substance or mixture**  
**Hazardous combustion products** Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard.
- 5.3 Advice for firefighters** In case of fire: Wear self-contained breathing apparatus.
- 5.4 Additional information** Burning produces heavy smoke. Do not allow run-off from fire-fighting to enter drains or water courses. Use water spray jet to protect personnel and to cool endangered containers.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

- 6.1 Personal precautions, protective equipment and emergency procedures.**  
 Remove all sources of ignition. Provide adequate ventilation. Wear breathing apparatus if exposed to vapours/dusts/aerosols. See protective measures under point 7 & 8.
- 6.2 Environmental precautions** Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.
- 6.3 Methods and material for containment and cleaning up**  
**For cleaning up** Treat the recovered material as prescribed in the section on waste disposal. Clean with detergents. Avoid solvent cleaners.
- 6.4 Reference to other sections** None

**SECTION 7 : HANDLING AND STORAGE**

- 7.1 Precautions for safe handling**

**Protective measures**

Only use the material in places where open light, fire and other flammable sources can be kept away. Wear personal protection equipment. (see chapter 8) If local exhaust ventilation is not possible or not sufficient, the entire working area should be ventilated by technical means. Preparation may charge electrostatically; always use earthing leads when transferring from one container to another. Avoid the forming of inflammable or explosive concentrations of vapour in the air and exposure concentrations higher than permitted, comply with health and safety at work laws.

**Fire prevent measures** Vapours are heavier than air, spread along floors and form explosive mixtures with air. Vapours can form explosive mixtures with air.

## 7.2 Conditions for safe storage, including any incompatibilities

### **Technical measures & storage conditions**

Containers which are opened must be carefully resealed and kept upright to prevent leakage. Keep container tightly closed. Never use pressure to empty: container is not a pressure vessel. No smoking. Prevent unauthorised access.

### **Requirements for storage rooms and vessels**

Keep container tightly closed. Ensure adequate ventilation of the storage area. Restrict access to stockrooms.

### **General Storage Conditions**

Keep away from ignition sources. Keep away from oxidizing agents, from strongly alkaline and strongly acid materials. Always keep in containers of same material as the original one. See also instructions on the label. Avoid heating and direct sunlight.

7.3 Specific end use(s) None

## **SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION**

### 8.1 Control Parameters

#### **Occupational exposure limit values**

OXALIC ACID; CAS No: 144-62-7

Limit value type (country of origin) : TWA (EC)

Limit value: 1 mg/m<sup>3</sup>

Version: 07-02-2006

Limit value type (country of Origin)

Exposure limit (8 hrs) (NL)

Limit value: 1 mg/m<sup>3</sup>

Version: 01-01-2007

### 8.2 Exposure controls

#### **Appropriate engineering controls**

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and solvent vapour below the OEL (=Occupational Exposure Limit) suitable respiratory protection must be worn.

#### **Personal protection equipment**

##### **Eye/face protection**



Eye glasses with side protection

##### **Skin protection**

For the protection against direct skin contact, body protective clothing is essential (in addition to the usual working clothes) Personnel should wear antistatic clothes made of natural fibre or of high temperature resistant synthetic fibre. All parts of the body should be washed

after contact.

### Hand protection



**Long gloves PVC (Polyvinyl chloride) PE (polyethylene) NR (natural Rubber, natural latex) Recommended thickness DIN EN 374.**

### Respiratory protection

Respiratory protection necessary at: exceeding exposure limit values if technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. By spraying: air fed respirator. By other operation than spraying: in well ventilated areas, air fed respirators could be replaced by a combination of charcoal filter and particulate filter mask.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES.

### 9.1 Information on basic physical and chemical properties

Colour	Light brown
Appearance	Viscous
Odour	None
Odour threshold value	Not determined

#### Safety relevant basis data

Physical state:	Liquid
Melting point/melting range	Not determined
Boiling temperature/boiling range (1013 hPa)	100 °C
Decomposition temperature	No data available
Ignition temperature	101,5 °C
Flammability (gas, solid)	Not determined
Evaporation rate	Not determined
Lower explosion limit	Not determined
Upper explosion limit	Not determined
Lower explosion limit	No data available
Upper explosion limit	No data available
Explosive properties	Not determined
Vapour pressure	(50°C) – Not determined
Density	(20°C) – ca – 1,037 g/cm <sup>3</sup>
Solvent separation test	(20°C) – Not determined
Water solubility	(20°C) – soluble
PH value	Not determined
Viscosity	(20°C) – 44500 mP a.s
Cinematic viscosity	(40°C) – No data available
Oxidising properties	Not determined
Partition coefficient n-octanol /water	Not determined

### 9.2 Other information None

## SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity No information available

10.2 Chemical stability No information available

10.3 Possibility of hazardous reactions

No information available

- 10.4 Conditions to avoid** Stable under recommended storage and handling conditions (see section 7 and 8)
- 10.5 Incompatible materials** Keep away from oxidising agents, strongly alkaline and strongly acid materials in order to avoid exothermic reactions.
- 10.6 Hazardous decomposition products** When exposed to high temperatures may produce hazardous decomposition products such as carbon monoxide and dioxide, smoke, oxides of nitrogen.

## SECTION 11: TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects** No information available
- 11.3 Other adverse effects** Prolonged inhalation of vapours in high concentrations may lead to headache, giddiness and nausea. Delayed reactions possible (breathing problems, coughs, asthma) Eye contact: irritation. Inhalation/eye contact: in high concentrations irritating to the mucous membranes, narcotic effect and influence on power of reaction and loss of coordination possible.
- 11.4 Additional information**  
The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC)

## SECTION 12 : ECOLOGICAL INFORMATION

- 12.1 Toxicity** No information available
- 12.2 Persistence and degradability** No information available
- 12.3 Bio-accumulative 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
- 12.7 Further ecological information** **Additional information**  
Product should not be released into water without pre-treatment (biological sewage plant).

## SECTION 13: DISPOSAL CONSIDERATIONS

- 13.1 Waste treatment methods**  
**Product/Packaging disposal**  
**Waste treatment options**  
**Appropriate disposal/package**
- Contaminated packages must be completely emptied and can be re-used following proper cleaning. The generation of waste should always as far as possible be avoided, or be limited to a minimum. Disposal of this product, solutions and any by-products should at all times be in accordance with applicable legislation in the field of environmental protection and waste disposal legislation and any other regional or local regulations.

**SECTION 14: TRANSPORT INFORMATION**

- 14.1 **UN Number** Not applicable
- 14.2 **UN proper shipping name** Not applicable
- 14.3 **Transport hazard class(es)** Not applicable
- 14.4 **Packing group** Not applicable
- 14.5 **Environmental hazards** Not applicable
- 14.6 **Special precautions for user** None

**SECTION 15 : REGULATORY INFORMATION**

- 15.1 **Safety, health and environmental regulations/legislation specific for the substance or mixture.**  
None
- 15.2 **Chemical Safety Assessment** No information available

**SECTION 16: OTHER INFORMATION**

- 16.1 **Indication of changes** None
- 16.2 **Abbreviations and acronyms** None
- 16.3 **Key literature references and sources for data**  
None
- 16.5 **Relevant R-, H- and EUH-phrases (Number and full text)**  
H302+H312 Harmful if swallowed or in contact with skin  
H318 Causes serious eye damage  
21/22 Harmful in contact with skin and if swallowed  
41 Risk of serious damage to eyes
- 16.6 **Training advice**  
Make sure that employees are aware of the safety risk. People wearing breathing apparatus must be appropriately trained.
- 16.7 **Additional information/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.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own use.