

# SAFETY DATA SHEET

## Restore-iT Powdered Microsplitter

Date: JUN 2015

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### 1. Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

**Product name:** Restore-iT Powdered Microsplitter

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

Detergent-free cleaner for carpets and upholstery

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

**SUPPLIER:** RESTORMATE

Unit 58A South Nelson Industrial Estate, Cramlington, Northumberland, NE23 1WF

TEL: +44(0)1670 590099 FAX: +44(0)1670 898670

EMAIL: [sales@restormate.co.uk](mailto:sales@restormate.co.uk)

#### 1.4 Emergency telephone number

**Tel: 07966 386526**

### 2. Hazards identification

#### 2.1 Classification of the substance or mixture

**Classification under CLP Regs.:** Eye Irrit. 2. ; H319; Skin Irritant 2: H315; STOT SE3 H335

#### 2.2 Label elements

**Label elements under CLP:**

**Hazard pictograms:** GHS07



**Signal Word:** Warning

**Hazard Statements:** H319: Causes serious eye irritation. H315: Causes skin irritation. H335: May cause respiratory irritation.

**Precautionary statements: PREVENTION:** Wear protective gloves, clothing and eye protection. Wash hands thoroughly after handling.

**RESPONSE:** IF ON SKIN: Wash immediately with soap and water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do - continue rinsing. Immediately call a POISON CENTRE or doctor/physician. If skin irritation occurs: get medical advice/attention. Take off contaminated clothing and wash before reuse.

#### 2.3 Other hazards

**PBT:** this material does not contain any substance identified as a PBT or vPvB substance

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### 3. Composition/information on ingredients

#### 3.1 Substances

#### 3.2 Mixtures

##### Hazardous ingredients:

CAS	EINECS	Classification CLP	Concentration %w/w
Phosphoric acid, trisodium salt, dodecahydrate (REACH Reg. No. 01-2119489800-32)			
10101-89-0		Skin irrit. 2 H315; Eye irrit. 2 H319; STOT SE3 H335	30-50
Sodium carbonate (REACH Reg. No.(01-2119485498-19)			
497-19-8	207-838-8	Eye irrit. 2 H319	5-10
Sodium Carbonate Peroxyhydrate (REACH Reg. No. 01-2119457268-30)			
15630-89-4	239-707-6	Oxid. Solid H272; Acute tox 4 H302; Eye dam. 1H318	1-3

See section 16 for full text of H statements

### 4. First aid measures

#### 4.1 Description of first aid measures

**Eye contact:** Flush with clean water for at least 15 minutes. Seek medical advice.

**Skin contact:** Remove at once all contaminated clothing. Wash area with soap and water. Seek medical advice if irritation persists.

**Ingestion:** DO NOT induce vomiting. Give water to drink and seek immediate medical attention.

**Inhalation:** Remove from exposure, keep warm and at rest. If symptoms persist get medical attention.

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

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

Get medical attention promptly if symptoms occur after washing.

### 5. Fire fighting measures

#### 5.1 Extinguishing media

**Suitable extinguishing agents:** Alcohol resistant foam, carbon dioxide, dry powder or water fog.

**Unsuitable agents:**

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

Irritating/toxic fumes including oxides of carbon may be produced on thermal decomposition.

#### 5.3 Advice for firefighters

Self-contained breathing apparatus and full protective clothing should be worn.

### 6. Accidental release measures

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

Avoid raising dust. Avoid contact with eyes and skin. Wear protective clothing described in section 8.

#### 6.2 Environmental precautions

Significant discharge into drains or water courses should be notified to the appropriate authority.

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

Small spillages may be swept up and placed in closed container. Larger spillages should be contained, collected and transferred to plastic container for disposal in accordance with local regulations.

#### 6.4 Reference to other sections

See section 8 for protective equipment, section 7 for handling and section 13 for disposal.

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### 7. Handling and storage

#### 7.1 Precautions for safe handling

Ensure adequate ventilation. Avoid contact with skin and eyes. Avoid raising dust.

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

Store in original container, tightly closed. Keep in a dry place below 40°C.

#### 7.3 Specific end use

See section 1

### 8. Exposure controls/personal protection

#### 8.1 Control parameters

##### Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)	Short term (15mins)
Dust, total	WEL	10mg/m <sup>3</sup>	
Dust, respirable	WEL	4mg/m <sup>3</sup>	

#### 8.2 Exposure controls

Wear PVC or neoprene gloves to prevent skin contact. Wear approved eye protection. Avoid inhalation of dust. Ensure good ventilation.

### 9. Physical and chemical properties

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

Appearance: white powder

Odour: slight

Density at 20°C: >1.0 kg/ltr

Solubility: Completely soluble in water.

pH (1% solution): 10 - 11

Flash point: N/A

Boiling point/range: N/A

Vapour pressure: N/A

Oxidising: No

#### 9.2 Other information

No further relevant information

### 10. Stability and reactivity

#### 10.1 Reactivity

Not reactive under normal conditions

#### 10.2 Chemical stability

Stable under normal conditions

#### 10.3 Possibility of hazardous reactions

None known.

#### 10.4 Conditions to avoid

High temperatures, storage in moist conditions.

#### 10.5 Incompatible materials

Strong acids, reducing agents and oxidising agents.

#### 10.6 Hazardous decomposition products

Irritating/toxic fumes including oxides of carbon may be produced on thermal decomposition.

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### 11. Toxicological information

#### 11.1 Information on toxicological effects.

Eyes: Irritation, redness and watering.

Skin: Irritation, redness.

Ingestion: Irritation to throat and mouth, abdominal discomfort

Inhalation: Coughing, shortness of breath, irritation to membranes of nose and throat.

Toxic dose LD50 (oral, rat): Phosphoric acid, trisodium salt 7400mg/kg; Sodium carbonate peroxyhydrate 1034mg/kg;

Sodium carbonate 2800mg/kg.

### 12. Ecological information

#### 12.1 Toxicity

Ecotoxicity of ingredients: Sodium carbonate peroxyhydrate LC50 71mg/l (fish, 96hrs), EC50 4.9mg/l (daphnia, 48hrs);

Sodium carbonate LC50 300mg/l (Iepomis macrochirus, 96hrs), EC50 265mg/l (Daphnia, 48 hrs);

#### 12.2 Persistence and degradability

The product contains inorganic components which are not biodegradable.

#### 12.3 Bioaccumulative potential

Not expected to bioaccumulate.

#### 12.4 Mobility in soil

Soluble in water.

#### 12.5 Results of PBT and vPvB assessment

No components classed as PBT/vPvB by current criteria.

#### 12.6 Other adverse effects

The product may act as a nutrient which could contribute to excessive enrichment of the aquatic environment.

### 13. Disposal considerations

#### 13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems.

### 14. Transport information

#### 14.1 UN Number

Not classified as hazardous for transport.

#### 14.2 UN Proper shipping name

#### 14.3 Transport hazard class(es)

#### 14.4 Packing group

#### 14.5 Environmental hazards

#### 14.6 Special precautions for user

### 15. Regulatory information

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

Detergents Regulations 2004/648/EC

Labelling; Contains less than 5% - oxygen bleaches; more than 30% - Phosphates

#### 15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product.

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### 16. Other information

This safety data sheet has been prepared according to EU Commission Regulation 453/2010

The information supplied in this document is based on our present state of knowledge and is given in good faith. It is not intended and should not be construed as a specification or guarantee of specific properties. The responsibility remains with the user to comply with all relevant laws, regulations and directives, to make their own assessment of workplace risks and to determine the suitability of the product for a particular use or application.

The hazards information in this data sheet refers to the material as supplied and not to any subsequent dilution or mixture. The full text of the H statements referred to in section 3 are shown below. These classifications apply to the ingredients, in their concentrated form, which contribute to the classification of the product or mixture.

H272: May intensify fire; oxidiser

H302: Harmful if swallowed.

H315: Cause skin irritation.

H318: Causes serious eye damage.

H319: Causes serious eye irritation.

H335: May cause respiratory irritation.

### Abbreviations and acronyms

ADR	European Agreement concerning the International Carriage of Goods by Road
CAS	Chemical Abstracts Service
CHIP	Chemicals (Hazard Information and Packaging) Regulations – Directives 1999/45/EC and 67/548/EC
CLP	Classification and Labelling of Chemicals – Regulation (EC) No. 1272/2008
CMR	Carcinogenic-mutagenic-toxic for reproduction
EINECS	European Inventory of Existing Commercial Chemical Substances
GHS	Globally Harmonised System of Classification and Labelling of Chemicals
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods Code
LC50	Lethal Concentration, 50%
LD50	Lethal Dose, 50%
OEL	Occupational Exposure Limit
PBT	Persistent, Bioaccumulative, Toxic
vPvB	very Persistent, very Bioaccumulative
RID	Convention concerning International Carriage by Rail
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound