

SAFETY DATA SHEET

Restore SOLV-iT ECO

Date: MAY 2015
Revision: 2

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

1.1 Product identifier

Product name: Restore Solv-iT ECO

Product code: 0005g1

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

Spot and Stain Remover for carpets and fabrics.

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

1.4 Emergency telephone number

Tel: 07966 386526

2. Hazards identification

2.1 Classification of the substance or mixture

Classification under CLP Regs.: Eye Dam. 1; H318; STOT SE3 H335

2.2 Label elements

Label elements under CLP:

Contains: Ethyl lactate; Alcohol ethoxylate.

Hazard pictograms: GHS05; GHS07



Signal Word: Danger

Hazard Statements: H318: Causes serious eye damage. 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 INHALED: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. 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
Ethyl lactate			
97-64-3	202-598-0	Flam. Liq. 3 H226, Eye dam. 1 H318, STOT SE3 H335	30-50
Ethoxylated alcohol C9/11 6EO			
68439-45-2		Acute tox 4 H302; Eye dam. 1 H318	1-5
Amides, C8-18(even-numbered) and C18(unsatd.),N,N-bis(hydroxyethyl) (REACH Reg. No. 01-211940100-53-0000)			
	931-329-6	Skin irrit. 2 H315, Eye dam. 1H318	1-5

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 milk or water to drink and seek immediate medical attention.

Inhalation: Remove from exposure to fresh air. Get medical attention if any symptoms persist.

4.2 Most important symptoms and effects both acute and delayed

No further relevant information.

4.3 Indication of any immediate medical attention and special treatment needed

No further relevant information.

5. Fire fighting measures

5.1 Extinguishing media

Suitable extinguishing agents: Carbon dioxide, dry powder, water fog.

Unsuitable agents: Water jet.

5.2 Special hazards arising from the substance or mixture

Oxides of carbon and nitrogen may be produced in a fire.

5.3 Advice for firefighters

Wear self-contained breathing apparatus.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Wear protective clothing as advised in section 8.

6.2 Environmental precautions

Do not allow concentrate to enter drains or watercourses

6.3 Methods and material for containment and cleaning up

Small spillages may be rinsed away with plenty of water. Larger spillages should be contained and absorbed in inert material.

Transfer to plastic container for disposal.

6.4 Reference to other sections

See section 8 for protective clothing

See section 7 for safe handling

See section 13 for disposal.

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7. Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation.

7.2 Conditions for safe storage, including any incompatibilities

Store in original container, tightly closed in a cool place.

7.3 Specific end use

See section 1.2

8. Exposure controls/personal protection

8.1 Control parameters

Substances assigned Workplace Exposure Limits

Name	type	Long term (8hrTWA)	Short term (15mins)
None			

8.2 Exposure controls

Wear rubber gloves if skin contact is unavoidable. Wear eye protection to prevent liquid splashes if necessary. Avoid inhalation of vapours or spray mist.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance: Clear amber liquid,

Odour: Slight fruity

Density at 20°C: 0.95kg/ltr

Solubility: Partially soluble in water.

pH(1% solution): n/a

Flash point: > 65°C

Boiling point/range: 154°C

Vapour pressure: < 2 hPa

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

May react with oxidising agents.

10.4 Conditions to avoid

Elevated temperatures.

10.5 Incompatible materials

Strong acids and oxidising agents.

10.6 Hazardous decomposition products

Oxides of carbon and nitrogen.

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11. Toxicological information

11.1 Information on toxicological effects.

Eyes: Severe irritation and risk of damage.

Skin: Mild irritation on prolonged or repeated contact.

Ingestion: Sore throat and mouth, abdominal pain, vomiting.

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

Acute toxicity;

Ethyl lactate LD50 2500mg/kg (oral, mouse), LC50 > 5.4mg/l (inh., rat)

Amides, C8-18(even-numbered) and C18(unsatd.),N,N-bis(hydroxyethyl): LD50>5000mg/kg (oral, rat), >2000mg/kg (dermal, rat)

12. Ecological information

12.1 Toxicity

Ethyl lactate LC50 320mg/l (fish, 48h); EC50 683mg/l (daphnia, 48h)

Amides, C8-18(even-numbered) and C18(unsatd.),N,N-bis(hydroxyethyl): LC50 2.4mg/l (fish, 96h), EC50 3.2mg/l (Daphnia, 48r)

12.2 Persistence and degradability

All components are biodegradable.

12.3 Bioaccumulative potential

Not known.

12.4 Mobility in soil

Not known.

12.5 Results of PBT and vPvB assessment

Does not contain any ingredients identified as PBT or vPvB substances.

12.6 Other adverse effects

No further relevant information.

13. Disposal considerations

13.1 Waste treatment methods

Comply with local regulations. Do not allow concentrate to enter water systems. Used packaging may be cleaned with water.

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

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.

H226: Flammable liquid and vapour

H302: Harmful if swallowed.

H315: Cause skin irritation.

H318: Causes serious eye damage.

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
STOT	Specific Target Organ Toxicity
WEL	Workplace Exposure Limit
VOC	Volatile Organic Compound