

SAFETY DATA SHEET

Restore ExcelStrip

Date: FEBRUARY 2018

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

1.1 Product identifier

Product name: Restore ExcelStrip

Product code: JC-ES

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

Powerful low foaming stripper for removal of emulsion polishes and floor finishes.

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.:

Skin corrosion/irritation, Category 1A H314

Full text of hazard classes and H-statements: see section 16

Adverse physicochemical, human health and environmental effects

Causes severe skin burns and eye damage.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP)



Signal word (CLP)	:	Danger
Hazardous ingredients	:	SODIUM METASILICATE PENTAHYDRATE
Hazard statements (CLP)	:	H314 – Causes severe skin burns and eye damage.
Precautionary statements (CLP)	:	P102 – Keep out of reach of children. P260 – Do not breathe mist, spray, vapours. P280 – Wear protective gloves, protective clothing, eye protection, face protection. P301+P330+P331 – IF SWALLOWED: rinse mouth. Do NOT induce vomiting. P303+P361+P353 – IF ON SKIN (or hair): take off immediately all contaminated clothing. Rinse skin with water/shower. P304+P340 – IF INHALED: remove person to fresh air and keep comfortable for breathing. P305+P351+P338 – IF IN EYES: rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. P310 – Immediately call a POISON CENTRE, a doctor. P501 – Dispose of contents/container to an approved waste disposal plant.
Detergent Regulation: Labelling of contents	:	Contains: Anionic surfactants - >5<15%; Non-ionic surfactants - <5% Ethanol <10%

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3. Composition/information on ingredients

3.1 Substance Not applicable.

3.2 Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
SODIUM METASILICATE PENTAHYDRATE	(CAS No) 10213-79-3 (EC no) 229-912-9	10-30	Met. Corr. 1, H290 Skin Corr. 1, H314 STOT SE 3, H335
Sodium xylenesulphonate	(CAS No) 1300-72-7 (EC no) 215-090-9 (REACH-no) 01-2119513350-56	5-10	Eye Irrit. 2, H319
Propan-2-ol, isopropyl alcohol, isopropanol	(CAS No) 67-63-0 (EC no) 200-661-7 (EC index no) 603-117-00-0 (REACH-no) 01-2119457558-25	5-10	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
(2-methoxymethylethoxy)propanol [DPGME] Substance with a Community workplace exposure limit	(CAS No) 34590-94-8 (EC no) 252-104-2	3-5	Not classified
2,2'-iminodiethanol, diethanolamine	(CAS No) 111-42-2 (EC no) 203-868-0 (EC index no) 603-071-00-1 (REACH-no) 01-2119488930-28	>=1	Acute Tox. 4 (Oral), H302 STOT RE 2, H373 Skin Irrit. 2, H315 Eye Dam. 1, H318
3-butoxypropan-2-ol, propylene glycol monobutyl ether	(CAS No) 5131-66-8 (EC no) 225-878-4 (EC index no) 603-052-00-8 (REACH-no) 01-2119475527-28	1-3	Eye Irrit. 2, H319

Full text of H-statements: see section 16

4. First aid measures

4.1 Description of first aid measures

- First-aid measures general : Call a physician immediately.
- First-aid measures after inhalation : Remove person to fresh air and keep comfortable for breathing.
- First-aid measures after skin contact : Rinse skin with water/shower. Remove/take off immediately all contaminated clothing. Call a physician immediately.
- First-aid measures after eye contact : Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician immediately.
- First aid advice Ingestion : Rinse mouth. Do not induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

- Symptoms/injuries after skin contact : Burns.
- Symptoms/injuries after eye contact : Serious damage to eyes.
- Symptoms/injuries after ingestion : Burns.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire fighting measures

5.1 Extinguishing media

- Suitable extinguishing media : The product is not flammable. Use extinguishing agent suitable for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.

5.2 Special hazards arising from the substance or mixture

- Hazardous decomposition products in case of fire : Toxic fumes may be released.

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5.3 Advice for firefighters

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures : Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe mist, spray, vapours.

6.1.2. For emergency responders

Protective equipment : Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".

6.2 Environmental precautions

Avoid release to the environment.

6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Take up liquid spill into absorbent material.
Other information : Dispose of materials or solid residues at an authorized site.

6.4 Reference to other sections

For further information refer to section 13.

7. Handling and storage

7.1 Precautions for safe handling

Precautions for safe handling : Ensure good ventilation of the work station. Avoid contact with skin and eyes. Do not breathe mist, spray, vapours. Wear personal protective equipment.
Hygiene measures : Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

7.2 Conditions for safe storage, including any incompatibilities

Storage conditions : Store locked up. Store in a well-ventilated place. Keep cool.

7.3 Specific end use(s)

No additional information available.

8. Exposure controls/personal protection

8.1 Control parameters

Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)		
United Kingdom	Local name	Propan-2-ol
United Kingdom	WEL TWA (mg/m ³)	999 mg/m ³
United Kingdom	WEL TWA (ppm)	400 ppm
United Kingdom	WEL STEL (mg/m ³)	1250 mg/m ³
United Kingdom	WEL STEL (ppm)	500 ppm
3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)		
EU	IOELV TWA (ppm)	10 ppm
(2-methoxymethylethoxy)propanol [DPGME] (34590-94-8)		
EU	Local name	(2-Methoxymethylethoxy)-propanol
EU	IOELV TWA (mg/m ³)	308 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	Notes	Skin
United Kingdom	Local name	(2-methoxymethylethoxy) propanol
United Kingdom	WEL TWA (mg/m ³)	308 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity).

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8.2 Exposure controls

Appropriate engineering controls: Ensure good ventilation of the work station.

Hand protection: Protective gloves.

Eye protection: Safety glasses.

Skin and body protection: Wear suitable protective clothing.

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment.

Environmental exposure controls: Avoid release to the environment.

9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	: Liquid
Colour	: Colourless
Odour	: Alcoholic
Odour threshold	: No data available
pH	: 13-13.5
Relative evaporation rate (butyl acetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: >100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: ≈1.084 g/ml
Solubility	: Soluble in water.
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Oxidising solids Not applicable.
Explosive limits	: No data available

9.2 Other information No additional information available.

10. Stability and reactivity

10.1 Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

10.2 Chemical stability: Stable under normal conditions.

10.3 Possibility of hazardous reactions: No dangerous reactions known under normal conditions of use.

10.4 Conditions to avoid: None under recommended storage and handling conditions (see section 7).

10.5 Incompatible materials: No additional information available.

10.6 Hazardous decomposition products: No additional information available.

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11. Toxicological information

11.1 Information on toxicological effects.

: Not classified

2,2'-iminodiethanol, diethanolamine (111-42-2)	
LD50 oral rat	1600
LD50 oral	710 mg/kg bodyweight
LD50 dermal rabbit	12970
LD50 dermal	12200 mg/kg bodyweight
Sodium xylenesulphonate (1300-72-7)	
LD50 oral	>7000 mg/kg bodyweight
LD50 dermal	>2000 mg/kg bodyweight
Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LD50 oral rat	5840 mg/kg
LD50 oral	4396 mg/kg bodyweight
LD50 dermal rat	13900 mg/kg
LD50 dermal rabbit	12870 mg/kg
LD50 dermal	12800 mg/kg bodyweight
LC50 inhalation rat (Dust/Mist – mg/l/4h)	46600 mg/l/4h
LC50 inhalation rat (Vapours – mg/l/4h)	72.6 mg/l/4h
3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)	
LD oral rat	3300 mg/kg
LD50 dermal rat	>2000
LC50 inhalation rat (Dust/Mist – mg/l/4h)	>3.5 mg/l/4h

Skin corrosion/irritation	: Causes severe skin burns and eye damage. pH: 13-13.5
Serious eye damage/irritation	: Causes serious eye damage, category 1, implicit. pH 13-13.5
Respiratory or skin sensitisation	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
Specific target organ toxicity (single exposure)	: Not classified
Specific target organ toxicity (repeated exposure)	: Not classified
Aspiration hazard	: Not classified

12. Ecological information

12.1 Toxicity

2,2'-iminodiethanol, diethanolamine (111-42-2)	
LC50 fish 1	1460 mg/l
EC50 Daphnia 1	55 mg/l
EC50 other aquatic organisms 1	55 mg/l EC50 waterflea (48h)
EC50 other aquatic organisms 2	75 mg/l IC50 algea (72h) mg/l
ErC50 (other aquatic plants)	2.2 mg/l
Sodium xylenesulphonate (1300-72-7)	
EC50 other aquatic organisms 1	>1020 mg/l
EC50 other aquatic organisms 2	IC50 algea (72 h) mg/l
Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
LC50 fish 1	9640 mg/l
LC50 fish 2	11130 mg/l
EC50 other aquatic organisms 1	13299 mg/l EC50 waterflea (48h)
EC50 other aquatic organisms 2	>1000 mg/l IC50 algea (72h) mg/l

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3-butoxypropan-2-ol, propylene glycol monobutyl ether (5131-66-8)	
LC50 fish 1	>560 mg/l
EC50 Daphnia 1	>1000 mg/l

12.2 Persistence and degradability

The surfactant(s) contained in this preparation comply(ies) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

12.3 Bioaccumulative potential

2,2'-iminodiethanol, diethanolamine (111-42-2)	
Log Pow	-1.71
Propan-2-ol, isopropyl alcohol, isopropanol (67-63-0)	
Log Pow	0.05

12.4 Mobility in soil No additional information available.

12.5 Results of PBT and vPvB assessment

Results of PBT assessment: The product does not meet the PBT and vPvB classification criteria.

12.6 Other adverse effects No additional information available.

13. Disposal considerations

13.1 Waste treatment methods No additional information available.

14. Transport information

In accordance with ADR / RID / IMDG / IATA / AND

14.1 UN number

UN-No. (ADR) : 1760
UN-No. (IMDG) : Not regulated
UN-No. (IATA) : Not regulated
UN-No. (ADN) : Not regulated
UN-No. (RID) : Not regulated

14.2 UN proper shipping name

Proper Shipping Name (ADR) : CORROSIVE LIQUID, N.O.S.
Proper Shipping Name (IMDG) : Not regulated
Proper Shipping Name (IATA) : Not regulated
Proper Shipping Name (ADN) : Not regulated
Proper Shipping Name (RID) : Not regulated
Transport document description (ADR) : UN 1760 CORROSIVE LIQUID, N.O.S., 8, III, (E)

14.3 Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 8
Danger labels (ADR) : 8



IMDG

Transport hazard class(es) (IMDG) : Not regulated

IATA

Transport hazard class(es) (IATA) : Not regulated

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14.4 Packing group

Packing group (ADR)	: III
Packing group (IMDG)	: Not regulated
Packing group (IATA)	: Not regulated
Packing group (ADN)	: Not regulated
Packing group (RID)	: Not regulated

14.5 Environmental hazards

Dangerous for the environment	: No
Marine pollutant	: No
Other information	: No supplementary information available.

14.6 Special precautions for user

- Overland transport			
Classification code (ADR)	: C9		
Special provisions (ADR)	: 274		
Limited quantities (ADR)	: 5I		
Excepted quantities (ADR)	: E1		
Packing instructions (ADR)	: P001, IBC03, LP01, R001		
Mixed packing provisions (ADR)	: MP19		
Portable tank and bulk container instructions (ADR)	: T7		
Portable tank and bulk container special instructions (ADR)	: TP1, TP28		
Tank code (ADR)	: L4BN		
Vehicle for tank carriage	: AT		
Transport category (ADR)	: 3		
Special provisions for carriage – Packages (ADR)	: V12		
Hazard identification number (Kemier No.)	: 80		
Orange plates	<table border="1"><tr><td>80</td></tr><tr><td>1760</td></tr></table>	80	1760
80			
1760			

Tunnel restriction code (ADR)	: E
EAC code	: 2X
APP code	: B

- Transport by sea - Not regulated

- Air transport - Not regulated

- Inland waterway transport - Not regulated

- Rail transport - Not regulated

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

15. Regulatory information

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

15.1.1. EU Regulations

Contains no REACH substances with Annex XVII restrictions.

Contains no substance on the REACH candidate list.

Contains no REACH Annex XIV substances.

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15.1.2. National Regulations No additional information available.

15.2 Chemical safety assessment

No chemical safety assessment has been carried out.

16. Other information

Changes from previous version:

- UFI number added in section 1.1
- P-Statements added in Section 2.2

Abbreviations and acronyms:

ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
EC50	Median effective concentration
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
PBT	Persistent Bioaccumulative Toxic
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Register (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-statements:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	Skin corrosion/irritation, Category 1
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT RE 2	Specific target organ toxicity – Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity – Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour
H290	May be corrosive to metals
H302	Harmful if swallowed
H314	Causes severe burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H373	May cause damage to organs through prolonged or repeated exposure

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. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. This company shall not be held liable for any damage resulting from handling or from contact with the above product.