

RESTORATIVE 'RAPID' PAINT SOFTENER

1. Identification of the Substance/Preparation & of the Company/Undertaking

1.1 Product Identifier

Product Name Restorative 'Rapid' Paint Softener

1.2 Relevant Identified Uses of the Substance or Product & Uses Advised Against

Use of Product PC9a: Coatings & paints, thinners, paint removers

1.3 Supplier of the Safety Data Sheet

Company Name Restorative Techniques Limited
Gloucester Road
Rudgeway
Bristol
BS35 3SG
T: 0044 01454 417831
F: 0044 01454 412445
info@restorativetechniques.co.uk

1.4 Emergency Telephone Number

Tel M: 07760 197472

2. Hazards Identification

2.1 Classification of Substance or Product

CLP Classification: Flammable liquid, Cat.1: H224
Skin corrosion / irritation, Cat.2: H315
Serious eye damage / irritation, Cat.2: H319

2.2 Label Elements

Label Elements:

Hazard Statements: H224: Extremely flammable liquid & vapour
H315: Causes skin irritation
H319: Causes serious eye irritation

Signal Words: Danger

Hazard Pictogram: GHS02: Flame
GHS07: Exclamation Mark



Precautionary Statement: P210: Keep away from open flames, sparks, heat - No Smoking
P233: Keep container tightly closed
P240: Ground / bond container & receiving equipment
P241: Use explosion proof electrical, ventilating, lighting equipment.
P264: Wash hands, forearms & face thoroughly after handling
P280: Wear protective gloves, protective clothing, face & eye protection
P501: Dispose of containers / contents to recognised waste management.

2.3 Other Hazards

No additional information available

3. Composition / Information of Ingredients

3.1 Chemicals / Mixtures

Hazardous Ingredients: BENZYL ALCOHOL

EC no	CAS	67 / 548 / EEC Classification	CLP Classification	Percentage
202-859-9	100-51-6	Xn; R20/22	Acute Tox.4 (Oral), H302 Acute Tox.4 (inhalation:dust,mist) H332	<=10%

FORMIC ACID...%

200-579-1	64-18-6	C; R35	Skin Corr.1A, H314	<=5%
-----------	---------	--------	--------------------	------

XYLENE

215-535-7	1330-20-7	R10 Xn; R20/21 Xi; R38	Flam. Liq.3: H226 Acute Tox.4 (Dermal), H312 Acute Tox.4 (inhalation:dust,mist) H332 Skin Irrit.2: H315	<=5%
-----------	-----------	------------------------------	---	------

4. First Aid Measures

4.1 Description of First Aid Measures

- Skin Contact: Remove all contaminated clothes & footwear immediately. Wash immediately with plenty of soap & water. Wash contaminated clothing before reuse. If skin irritation occurs seek medical advice / attention.
- Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses if present & easy to do so, continue rinsing. Consult a doctor
- Ingestion: Wash out mouth with water. DO NOT induce vomiting. Seek medical advice / attention.
- Inhalation: Ensure breathing of fresh air. Allow victim to rest.
- General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical attention / advice (show label / HSDS where possible).

4.2 Important Symptoms & Effects, Acute & Delayed

- Skin Contact: There may be irritation & redness at the site of contact.
- Eye Contact: There may be serious eye irritation & redness. The eyes may water profusely.

4.3 Indication of Any Immediate Medical Attention & Special Treatment Needed

- Immediate / Special Treatment: No additional information available.

5. Fire Fighting Measures

5.1 Extinguishing Media

- Extinguishing Media: Suitable extinguishing media for the surrounding fire should be used. Use foam, dry powder, carbon dioxide, water spray or sand.
- Unsuitable Ext' Media: Do not use heavy water stream.

5.2 Special Hazards Arising from the Product or Chemical

Fire Hazard: Extremely flammable liquid & vapour

Explosion Hazard: May form flammable / explosive vapour-air mixture.

5.3 Advice for Fire Fighters

Fire Fighter Advice: Wear self-contained breathing apparatus. Do not enter fire without proper protective clothing. Use water spray or fog for cooling containers. Exercise caution when fighting any chemical fire.

6. Accidental Release Measures

6.1 Personal Precautions, Protective Equipment & Emergency Procedures

Personal Precautions: Remove ignition sources. Use special care to avoid static electric charges. No naked lights or smoking. Mark out the contaminated area with signs & prevent access by unauthorised personnel. Do not attempt to take action without suitable protective clothing - see section 8 of HSDS for personal protection details. Turn leaking containers leak-side up to prevent escape of product.

6.2 Environmental Precautions

Environmental Precautions: Do not discharge into drains, waterways or rivers. Contain the spillage using bunding. Alert the neighbourhood to the presence of fumes or gas.

6.3 Methods & Materials for Containment & Clearing Up

Clean Up Procedures: Clean-up should be dealt with only by qualified personnel familiar with the specific substance wearing proper protection.. Absorb into dry earth or sand. Transfer to a closable, labelled container for disposal by an appropriate method.

6.4 Reference to Other Sections

References to Sections: Refer to section 8 of HSDS

7. Handling & Storage

7.1 Precautions for Safe Handling

Handling Requirements: Avoid direct contact with the substance & handle empty containers with care as residual vapours are flammable. No naked lights. No smoking. Take precautionary measures against static discharge & use only non sparking tools. Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid formation or spread of mists in the air.

7.2 Conditions for Safe Storage, Inc Incompatibilities

Storage Conditions: Store in a cool well ventilated area. Use explosion proof, flame proof lighting, electrical & ventilation equipment. Keep in original tightly closed containers. Keep in fire proof location.

Storage temperature $\leq 40^{\circ}\text{C}$

Incompatible: Strong bases. Strong acids & (strong) oxidisers.
Sources of ignition. Direct Sunlight. Heat sources.

7.3 Specific End Use / Uses

Specific End Use(s): No data available

8. Exposure Controls / Personal Protection

8.1 Control Parameters

FORMIC ACID...% (64-18-6)

EU	VME (mg/m ³)	9
EU	VME (ppm)	5 ppm
EU	VLE (mg/m ³)	19 mg/m ³
EU	VLE (ppm)	10 ppm

XYLENE (1330-20-7)

EU	Limit value (mg/m ³)	221
EU	Limit value (ppm)	50 ppm
EU	Short time value (mg/m ³)	442 mg/m ³
EU	Short time value (ppm)	100 ppm
EU	VME (mg/m ³)	221
EU	VME (ppm)	50 ppm
EU	VLE (mg/m ³)	442 mg/m ³
EU	VLE (ppm)	100 ppm

8.2 Exposure Controls

Engineering Measures: Ensure there is sufficient ventilation of the area.

Respiratory Protection: Wear appropriate mask

Hand Protection: Protective gloves made of PVC. Nitrile rubber protective gloves.

Eye Protection: Tightly fitting safety goggles.

Skin & Body Protection: Suitable protective clothing.

Other Information: Do not eat, drink or smoke during use.

9. Physical & Chemical Properties

9.1 Information On Basic Physical & Chemical Properties

State: Liquid

Colour: Colourless

Odour: No data available

Relative Evaporation Rate

(butylacetate=1): No data available

Boiling Point / Range °C: 74 °C

Melting Point / Range °C: -10 °C

Freezing Point: No data available

Flash Point: No data available

Auto-Ignition Temperature: 270 °C

Decomposition Temperature: > 270 °C

Flammability (solid, gas): Extremely flammable liquid & vapour

Vapour Pressure: No data available

Solubility in Water: Miscible

Relative Vapour Density at

20 °C: 2.5

Relative Density: 1.05

Density: 1.05 g/cm³

Viscosity, Kinetic: No data available
 Viscosity, Dynamic: > 2000 cP
 Explosive Properties:: No data available
 Oxidising Properties:: No data available
 Explosive Limits: 18 vol %
 pH: 4

9.2 Other Information

Other Information: No data available

10. Stability & Reactivity

10.1 Reactivity

Reactivity: No additional information available

10.2 Chemical Stability

Chemical Stability: Not established. Extremely flammable liquid & vapour. May form flammable / explosive vapour-air mixture.

10.3 Possibility of Hazardous Reactions

Hazardous Reactions: Not established

10.4 Conditions to Avoid

Conditions to Avoid: Direct sunlight. Extremely high or low temperatures. Sparks. Heat. Overheating. Open flame.

10.5 Incompatible Materials

Materials to Avoid: Strong acids. Strong bases.

10.6 Hazardous Decomposition Products

Hazardous Decomposition Products: Fume. Carbon monoxide. Carbon dioxide. May release flammable gases.

11. Toxicological Information

11.1 Information On Toxicological Effects

Acute Toxicity: Not classified

Hazardous Ingredients: BENZYL ALCOHOL (100-51-6)

ORAL	RAT	LD50	1230	mg/kg
DERMAL	RBT	LD50	2001	mg/kg
INHALATION	RAT (dust/mist - mg/l/4h)	LC50	4	mg/l/4h

XYLENE (1330-20-7)

ORAL	RAT	LD50	>2000	mg/kg
DERMAL	RBT	LD50	>2000	mg/kg
INHALATION	RAT (dust/mist - mg/l/4h)	LC50	>20	mg/l/4h

'Rapid' Paint Softener

ORAL	RAT	LD50	3000	mg/kg
INHALATION	RAT	LC50	69	mg/l

ATE CLP (vapours)	69.000	mg/l/4h
ATE CLP (dust,mist)	69.000	mg/l/4h

Potential adverse human health effects & symptoms: Based on available, the classification criteria are not met.

'Rapid' Paint Softener	
Viscosity, Kinematic	1904.76190476 mm ² /s

11.2 Symptoms / Routes of Exposure

Skin Contact: There may be irritation & redness at the site of contact pH: 4

Eye Contact: Causes serious eye irritation pH:4

Respiratory/Skin

Sensitisation: Not classified. Based on available data, the classification criteria are not met.

Germ Cell Mutagenicity: Not classified. Based on available data, the classification criteria are not met.

Carcinogenicity: Not classified. Based on available data, the classification criteria are not met.

Reproductive Toxicity: Not classified. Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity

(single exposure): Not classified. Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity

(repeated exposure): Not classified. Based on available data, the classification criteria are not met.

Aspiration Hazard: Not classified. Based on available data, the classification criteria are not met.

12. Ecological Information

12.1 Toxicity

Ecology - General: High concentration in receiving water will injure aquatic life from the alteration of pH
BENZYL ALCOHOL (100-51-6)

LC50 fishes 1	460 mg/l LC50 (Fish)
EC50 Daphnia 1	400 mg/l EC50 (daphnia Magna)
EC50 other aquatic organisms 1	658 mg/l EC50 other aquatic organisms 1
LC50 fish 2	645 mg/l LC50 (Fish)
EC50 other aquatic organisms 2	400 mg/l pseudomonas putida 0.5h

XYLENE (1330-20-7)

LC50 fishes 1	3.77 mg/l LC50 96h (Fish)
EC50 Daphnia 2	7.4 mg/l EC50 s8h Daphnia Magna (mg/l)

12.2 Persistence & Degradability

Persistence & Degradability: Not established. Not readily biodegradable.

12.3 Bioaccumulative Potential

Bioaccumulative Potential: Not established.

12.4 Mobility in Soil

Mobility: No additional information available.

12.5 Results of PBT & vPvB Assessment

PBT Identification: This product is not identified as a PBT / vPvB substance

12.6 Other Adverse Effects

Other Adverse Effects: Avoid release into the environment.

13. Disposal Considerations

13.1 Waste Treatment Methods

Disposal Operations: Transfer to a suitable container & arrange for collection by specialised disposal company.

Handle empty containers with care because residual vapours are flammable.

NB: The users attention is drawn to the possible existence of local, regional or national regulations regarding disposal.

14. Transport Information

14.1 UN Number

UN Number: 1993

14.2 UN Proper Shipping Name

Shipping Name: FLAMMABLE LIQUID, N.O.S.

14.3 Transport Hazard Class(es)

Transport Class: 3



14.4 Packing Group

Packing Group: II

14.5 Environmental Hazards

Environmentally Hazardous: No

Marine Pollutant: No

14.6 Special Precautions for User

Special Precautions: (ADR) : 274, 601, 640C

Tunnel Code: (ADR) : D/E

Transport Category: 2



15. Regulatory Information

15.1 Safety, Health & Environmental Regulations / Legislation Specific to Substance or Product

Specific Regulation: Contains no substance with Annex XV restrictions
Contains no REACH candidate or Annex XV substances

15.2 Chemical Safety Assessment

Safety Assessment: A chemical safety assessment has not been carried out for the substance or product by the supplier.

16. Other Information

Other Information

Other Information: This safety data sheet is prepared in accordance with Commission Regulation (EU)

No 453/2010

* Indicated text in the SDS which has changed since the last revision

Phrases Used: H224: Extremely flammable liquid & vapour
H226: Flammable liquid & vapour
H302: Harmful if swallowed
H312: Harmful in contact with skin
H314: Causes severe skin burns & eye damage
H315: Causes skin irritation
H319: Causes serious eye irritation
H332: Harmful if inhaled
R10: Flammable
R20/21: Harmful by inhalation & in contact with skin
R20/22: Harmful by inhalation & swallowed
R35: Causes severe burns
R38: Irritating to skin
C: Corrosive
Xi: Irritant
Xn: Harmful

Legend to Abbreviations: PNEC = predicted no effect level
DNEL = derived no effect level
LD50 = median lethal dose
LC50 = median lethal concentration
IC50 = median inhibitory concentration
dw = dry weight
bw = body weight
cc = closed cup
oc = open cup
MUS = mouse
GPG = guinea pig
RBT = rabbit
HAM = hamster
HMN = human
MAM = mammal
PGN = pigeon
IVN = intravenous
SCU = subcutaneous
SKN = skin
DRM = dermal
OCC = ocular / corneal
PCP = physico-chemical properties

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 and should be used as a guide. 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 particular use. The company shall not be held liable for any damage resulting from handling or from contact with the above product.