

Ref: 130 – Langlow STRIP AWAY

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **STRIP AWAY**
1.2 Applications: Paint Remover
1.3 Supplier: Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 1YA
 Tel: 0151 486 6101; Fax 0151 448 1982
 e-mail: sales@palacechemicals.co.uk; web: www.palacechemicals.co.uk
1.4 Emergency Telephone No. Tel: 0151 486 6101 – Mon-Fri: 0800 - 1800

2. HAZARDS IDENTIFICATION:

- 2.1 Classification: (EC 1272/2008)** **Skin Corrosion Categories:**
1A; 1B; 1C & Serious eye damage category 1



SIGNAL WORD DANGER

2.2 Label elements:

Hazard statements: H314 Causes severe skin burns and eye damage
 H318 Causes serious eye damage

Precautionary Statements: P264: Wash hands & skin thoroughly after handling
 P280: Wear protective gloves/protective clothing/eye protection/face protection
 P301: IF SWALLOWED: Rinse mouth. Do Not INDUCE VOMITING
 P303: IF ON SKIN (or hair) Remove take/off immediately all contaminated clothing. Rinse skin with water/shower
 P304: IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 P305/351/338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337: If eye irritation persists get medical advice/treatment.
 P310: Immediately call a POISON CENTRE or doctor / physician

2.3 Other hazards:

3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 Substances:

3.2 Mixtures: Viscous paste containing sodium & calcium hydroxide

Name:	CAS / EC No.:	EINECS No.	Concentration:	Classification:
Sodium Hydroxide	1310-73-2	215-185-5	< 10.0% w/w	Skin Corr. 1A – H314
Calcium Hydroxide di-hydrate	1305-62-0	215-137-3	25 – 50% w/w	H318; STOT Single Eye Damage 1 H335; Exp. 3, Inhalation H315; Skin Irritation 2

4. FIRST AID MEASURES:

4.1 Description of measures:

EYE CONTACT: Remove contact lenses and irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek immediate medical attention & remove any particles with a cotton wool bud.



INHALATION: Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention. Do not use mouth to mouth ventilation. Obtain immediate medical assistance.

SKIN CONTACT: Wash off skin immediately with water. Remove contaminated clothing and launder regularly. Where irritation to skin is apparent seek prompt medical attention.



INGESTION: Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show data sheet.

4.2 Acute & Chronic symptoms:

Inhalation: - Corrosive to respiratory system
 - Symptoms: Breathing difficulties. Cough, chemical pneumonitis, pulmonary oedema
 - Repeated or prolonged exposure: Risk of sore throat, nose bleeds, chronic bronchitis
Skin contact - Causes severe burns.
 - Symptoms: Redness, swelling of tissue, burn.



Eye contact - Causes severe burns.

- Small amounts splashed into eyes can cause irreversible tissue damage and blindness.

- May cause permanent eye injury.

- Symptoms: Redness, lachrymation, swelling of tissue, burn.

Ingestion - Severe burns of the mouth and throat, as well as danger of perforation of the Oesophagus and the stomach.

- Symptoms: Nausea, abdominal pain, bloody vomiting, diarrhoea, suffocation, cough, Severe shortness of breath.

4.3 Immediate medical attention: Speed is essential. Always obtain immediate medical attention.

5. FIRE FIGHTING MEASURES:

5.1 Extinguishing media: This product is not flammable

5.2 Combustion Hazards: Polypropylene bucket may release noxious fumes (CO/CO₂) under combustion. Product may attack metals liberating hydrogen gas. Steam liberated on contact with water will produce noxious, irritating fumes.

5.3 Advice for fire-fighters: Fire fighters should wear full protective clothing and self-contained breathing apparatus with support of chemical shower facilities for immediate wash down after contact.

6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal protection: Wear impermeable PVC overalls, aprons, rubber boots and supply respiratory protective equipment when there is a risk of noxious vapours due to high temperatures.

6.2 Environmental precautions: Contain paste and scrape up into a sealable container and then wash away fine residues with excess volumes of water ensuring complete and effective dilution.

6.3 Spill removal methods: Scrape up large quantities of paste and re-seal. Wash minor surface residues with water into general drains. Mark containers for disposal s special waste.

6.4 References to other sections: See section 10 for disposal & Section 8 for exposure control

7. HANDLING & STORAGE:

7.1 Safe handling precautions: Use in well ventilated areas. Avoid handling dust or granules. Always avoid contact with skin & eyes and ensure nearby provision of shower and eye wash equipment in the event of accidental contact.

7.2 (a) Safe storage conditions: Store in well-sealed, clearly marked containers. Keep out of reach of children in a cool, dry & well-ventilated environment preferably within a lockable metal cabinet. Avoid storage outdoors or where there is a risk of contact with moisture or excessive humidity.

7.2 (b) Incompatible materials: Use only in accordance with instructions shown on the container and do not transfer contents to secondary containers made from zinc, tin or aluminium or any associated alloys. Avoid direct contact with strong acids

7.3 Specific end uses: For use only as a paint removal poultice in full compliance with the instructions provided.

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters Substance:	8 hour exposure limit	15 minute exposure limit	Source. Type
Sodium Hydroxide	N/A	STEL – 2mg / M3	WEL
Calcium Hydroxide	1 mg/m ³	4 mg/m ³	WEL

DNEL's - (Derived No effect levels) for workers:

Exposure pattern:	Route	DNEL	Dose descriptor
Acute systemic effects -	Dermal		
Acute systemic effects -	Inhalation		
Acute Local effects -	Dermal		
Acute Local effects -	Inhalation		
Long term systemic effects -	Dermal		
Long term systemic effects -	Inhalation		
Long term local effects -	Dermal		
Long term local effects -	Inhalation		

PNEC's - Predicted No effect concentration (Environment):		
Compartment:	PNEC	Dose Descriptor
Fresh water -	PNEC aqua = 490 µg/l – Ca (OH) ₂ .2H ₂ O	
Sewage treatment -		

8.2 Exposure controls:

Engineering controls: Cover freshly applied product immediately with STRIP AWAY blanket and screen area from unprotected persons whilst providing notification of paint stripping in progress.

Respiratory protection: May only be required during the stripping process as STRIP AWAY paste is water based and non-volatile. Scraping of paint residues 24 hours after application may release dusts and flakes which are inhalable and then a face mask should be worn



Hand protection: Hand protection is advised by wearing 17" long elbow length heavy duty natural rubber gloves or gauntlets approved to EN 374 & EN 420 with a BTT rating of > 8 hrs for 50% caustic sol'n.



Eye protection: Chemical goggles to BS 2092 Goggles should be worn for all applications to help prevent accidental face/eye contact during application and removal. The use of an equivalent rated chemical visor may also be considered to avoid facial splashes



Skin protection: A disposable PVC apron should be worn on top of overalls, however if the fabric becomes contaminated these should be laundered immediately. Elasticated wristbands & anklets overlapping safety boots & gloves are also advised.



9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance: Viscous white paste	Relative density: 1.5 kg/litre
Odour: Feint ammonia	Water solubility: Partial
Odour threshold: low	Solubility in oils: n/a
pH: 12.0 - 13.0	Partition coefficient (Kow): n/d
Flash point: n/a	Auto-ignition temperature: n/a
Melting point: n/a	Decomposition temperature: >350°C
Boiling point: >100°C	Evaporation rate:
Evaporation rate: Same as water	Viscosity: 15,000 mPa.s
Upper/Lower Flam limits: n/a	Explosive properties: n/a
Vapour pressure: Same as water	Oxidising properties: Avoid contact with acids
Vapour density: As above	Particle size: < 100 micron

10. STABILITY & REACTIVITY:

10.1 Conditions to avoid: Strong acids	10.4 Reactivity: Stable under normal use
10.2 Incompatible Materials: Aluminium alloys	10.5 Chemical reactivity: Strong acids & aluminium
10.3 Decomposition hazards: Limited volume of hydrogen gas with metals	10.6 Risk of hazardous reaction: Only with strong acids

11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects: This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Routes of exposure: Skin, eye & inhalation	Skin Corrosivity / Irritation: Causes severe burns
Eye damage/irritation: Risk of permanent corneal damage	Respiratory/skin sensitisation: With prolonged contact
Reproductive toxicity: n/a	Germ cell Mutagenicity: n/a
STOT single exposure: Permanent damage to mucous membranes	Carcinogenicity: n/a
STOT repeat exposure: Severe skin damage & dermatitis	Aspiration hazard: n/a

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	High concentrations will injure aquatic life due to high PH level.	12.4 Mobility in soil:	Water soluble so highly mobile
12.2 Bio-accumulative potential:	Negligible	12.5 PBT and vPvB result:	Nil
12.3 Persistence & degradability:	Readily biodegradable	12.6 Other effects:	n/d

13. DISPOSAL CONSIDERATIONS:

- 13.1 Waste treatment Methods:** Waste product to be treated as controlled waste in accordance with local authority regulations. Any absorbents used for clearing up soils should be disposed of using waste code 15 02 02, for absorbents contaminated by dangerous substances.

14. TRANSPORT INFORMATION:



Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
14.1 UN No.:	1824	1824	1824
14.2 Proper shipping name:	Sodium hydroxide liquid	Sodium hydroxide liquid	Sodium hydroxide liquid
14.3 ADR Packing Group:	II	II	II
14.4 Transport Hazard Class:	8	8	8
14.5 Environmental hazards.			
14.6 Special user precautions:			
14.7 Transport in bulk – IBC code:			

15. REGULATORY INFORMATION:

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

All components are listed as existing substances in Europe

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

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (S.I 2009 No. 716).

Approved Code Of Practice Classification and Labelling of Substances and Preparations Dangerous for Supply.

Guidance Notes:

Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG(108).

EU Legislation:

Dangerous Substance Directive 67/548/EEC.

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European

Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

National Regulations:

Users of this product are reminded of their duties under the current Control of Substances Hazardous to Health Regulations and a suitable and sufficient assessment of all the risk should be undertaken before using this product. The guidelines given in the HSE publication COSHH ESSENTIALS - Easy Steps To Control Chemicals gives sound advice for deciding safe working control measures.

Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

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



16. OTHER INFORMATION:

Last revision date: 18th November 2014

SDS No.: 130

List of abbreviations used in this SDS:

CAS	Chemical abstracts service
CLP	Classification, labelling & packaging regulation (EC) No. 1272/2008
DSD	Dangerous substances Directive 67/548/EEC
DPD	Dangerous Products Directive 1999/45/EC
PBT	Persistent, Bio-accumulative & Toxic
REACH	Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006
vPvB	Very Persistent, very Bio-accumulative

References:

Classification methods:

H Phrases in section 3: H315: Causes skin irritation
H318: Causes serious eye damage
H335: May cause respiratory irritation

Training for workers: Employees should receive appropriate training in all aspects of the safe handling and control of this product for use at work

Disclaimer: The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.



Ref: 136 – STRIP AWAY LV

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND COMPANY:

- 1.1 Product Name:** **STRIP AWAY LV**
- 1.2 Applications:** Paint & Varnish remover
- 1.3 Supplier:** Palace Chemicals Ltd; Speke Hall Industrial Estate; Speke; Liverpool; L24 1YA
Tel: 0151 486 6101; Fax 0151 448 1982
e-mail: sales@palacechemicals.co.uk; web: www.palacechemicals.co.uk
- 1.4 Emergency Telephone No.** Tel: 0151 486 6101 – Mon-Fri: 0800 - 1800

2. HAZARDS IDENTIFICATION:

- 2.1 Classification (1272/2008):** Acute Toxicity Category 4
Hazard statements: **H302** – Harmful if swallowed
H332 – Harmful if inhaled



- 2.2 Label elements:**
Key Word: **WARNING**

Precautionary Statements: **P270** - Do not eat, drink or smoke when using this product.
P301/312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P102 - Keep out of reach of children.
P261e - Avoid breathing vapours.
P304/340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P501 - Dispose of contents/container to ...
P264 - Wash hands thoroughly after use.

- 2.3 Other hazards:** No environmental hazards associated with this product

3. COMPOSITION / INFORMATION ON INGREDIENTS:**3.2 Mixtures:**

Name:	CAS / EC No.:	EC No.	Concentration:	Classification:
Benzyl Alcohol	100-51-6	202-859-9	< 50%	H332; 302; Acute Tox. 4 H319; Eye Irrit. 2
Hydrated Magnesium Silicate	63800-37-3		< 5.0%	N/A

4. FIRST AID MEASURES:

- 4.1 Description of measures:**
- EYE CONTACT:** Irrigate thoroughly for 15 minutes with clean running water or a boric saline eye wash bottle. Seek medical attention should eye irritation persist or become inflamed.
- INHALATION:** Avoid working in a poorly ventilated, confined space. Remove to fresh air and rest. If irritation or breathing difficulties persist, seek medical attention.
- SKIN CONTACT:** Wash off skin with warm soapy water. Remove contaminated clothing and launder regularly. Prolonged and unattended contact should be avoided. Where irritation to skin is apparent seek medical attention.
- INGESTION:** Clean out mouth with copious volumes of water and drink plenty. Do not induce vomiting. Beware of aspiration if vomiting occurs. Seek prompt medical attention and show this data sheet
- 4.2 Acute & Chronic symptoms:** Prolonged contact may cause de-fatting of the skin
- 4.3 Immediate medical attention:** Remove to fresh air & take off contaminated clothing

5. FIRE FIGHTING MEASURES:

- 5.1 Extinguishing media:** Use fire-extinguishing media appropriate for surrounding materials.
5.2 Combustion Hazards: Hazardous decomposition when subject to combustion – will produce noxious, irritating fumes.
5.3 Advice for fire-fighters: Self contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES:

- 6.1 Personal protection:** Wear impermeable PVC Apron, Gloves and goggles.
6.2 Environmental precautions: Keep away from drains, soils, surface & ground waters.
6.3 Spill removal methods: Absorb onto dry granules and contain in clearly marked containers for specialist disposal according to local authority regulations for low VOC liquids. Low volume spillages Do not contaminate water sources or sewer.
6.4 References to other sections: See section 8 for protective equipment when handling

7. HANDLING & STORAGE:

- 7.1 Safe handling precautions:** Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level in very confined spaces.
7.2 (a) Safe storage conditions: Store in tightly closed original container in a dry and cool place. Keep in original container.
7.2 (b) Incompatible materials: Acids & oxidizing agents
7.3 Specific end uses: Paint & Coatings removal

8. EXPOSURE CONTROLS & PERSONAL PROTECTION:

8.1 Control parameters Substance:	8 hour exposure limit	15 minute exposure limit	Source. Type
Benzyl Alcohol:	(WEL):10 ppm, 8-hour, TWA		AIHA
DNEL's - (Derived No effect levels) for workers:			
Exposure pattern:	Route	DNEL	Dose descriptor
Acute systemic effects -	Dermal		
Acute systemic effects -	Inhalation		
Acute Local effects -	Dermal		
Acute Local effects -	Inhalation		
PNEC's - Predicted No effect concentration (Environment):			
Compartment:	PNEC	Dose Descriptor	
Fresh water -			
Sewage treatment -			

8.2 Exposure controls:

- Engineering controls:** Provide adequate general and local exhaust ventilation.
Respiratory protections: No specific recommendation is made, but appropriately specified respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

- Hand protection:** Protective gloves must be used. The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material. Use protective gloves made of nitrile.



- Eye protection:** BS 2092 approved safety Goggles should be worn for all applications to help prevent accidental face/eye contact.



- Eye protections:** Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.

- Skin protection:** Wear impermeable overall or apron to prevent skin contact other than hands



9. PHYSICAL & CHEMICAL PROPERTIES:

Appearance:	Beige paste	Relative density:	1.20 +/- 0.03
Odour:	sweet odour	Water solubility:	Soluble with water
Odour threshold:	n/d	Solubility in oils:	Soluble in polar solvents
pH:	3.0 – 4.5	Partition coefficient (Kow):	n-octanol/water = 1.1
Flash point:	Non Flammable	Auto-ignition temperature:	n/a
Melting point:	n/a	Decomposition temperature:	n/a
Boiling point:	205°C (benzyl)	Evaporation rate:	0.007 (BuAc=1)
Evaporation rate:	0.007 (BuAc=1)	Viscosity:	5000 – 7500 mPa.s
Upper/Lower Flam limits:	n/a	Explosive properties:	n/a
Vapour pressure:	0.15mmHg @ 25C (77F)	Oxidising properties:	n/a
Vapour density:	3.72 (Air = 1)	Particle size:	n/a

10. STABILITY & REACTIVITY:

10.1 Conditions to avoid:	Avoid heat	10.4 Reactivity:	Stable under normal
10.2 Incompatible Materials:	Acids & Oxidising agents	10.5 Chemical reactivity:	temperature conditions.
10.3 Decomposition hazards:	Carbon dioxide and carbon monoxide	10.6 Risk of hazardous reaction:	

11. TOXICOLOGICAL INFORMATION:

11.1 Information on toxicological effects: This product has not been tested. Judgements on the expected toxicity of this product have been made based upon consideration of its' major components.

Routes of exposure:	Ingestion & Inhalation	Skin Corrosivity / Irritation:	May cause de-fatting of skin,
Eye damage/irritation:	Irritating to eyes	Respiratory/skin sensitisation:	n/a
Reproductive toxicity:	n/a	Germ cell Mutagenicity:	n/a
STOT single exposure:	n/d	Carcinogenicity:	No evidence of carcinogenic properties
STOT repeat exposure:	LD50 (oral, rat) 1620 mg/kg LC50 (inhalation) : >4.178 mg/l/4h	Aspiration hazard:	n/a

12. ECOLOGICAL INFORMATION:

12.1 Ecotoxicity:	None	12.4 Mobility in soil:	Biodegradable
12.2 Bio-accumulative potential:	None accumulative	12.5 PBT and vPvB result:	n/d
12.3 Persistence & degradability:	Readily biodegradable	12.6 Other adverse effects:	n/d

13. DISPOSAL CONSIDERATIONS:

- 13.1 Waste treatment Methods:** Waste material is classified as hazardous waste and should be disposed of by incineration or collected by a registered waste disposal company, operating within the scope of the Hazardous waste Regulations 2005 in the UK or local equivalent regulations in other countries.

14. TRANSPORT INFORMATION:

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

Regulatory Code (Land, Sea & Air):	ADR	IMDG	ICAO
14.1 UN No.:			
14.2 Proper shipping name:			
14.3 ADR Packing Group:			
14.4 Transport Hazard Class:			
14.5 Environmental hazards.			
14.6 Special user precautions:			
14.7 Transport in bulk – IBC code:			



15. REGULATORY INFORMATION:

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

All components are listed as existing substances in Europe

UK Regulatory References:

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 2002 (S.I 2002 No. 2677) with amendments. Chemicals (Hazard Information & Packaging) Regulations.

Environmental Listing - Control of Pollution Act 1974. Control of Pollution (Special Waste Regulations) Act 1980.

Statutory Instruments:

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Authorisations (Title VII Regulation 1907/2006) - No specific authorisations are noted for this product.

Restrictions (Title VIII Regulation 1907/2006) - No specific restrictions of use are noted for this product.

15.2 Chemical safety assessment

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

16. OTHER INFORMATION:

Last revision date: November 2014

SDS No.: 136

List of abbreviations used in this SDS:

CAS Chemical abstracts service

CLP Classification, labelling & packaging regulation (EC) No. 1272/2008

DSD Dangerous substances Directive 67/548/EEC

DPD Dangerous Products Directive 1999/45/EC

PBT Persistent, Bio-accumulative & Toxic

REACH Registration, Evaluation, Authorisation & Restriction of Chemicals Regulation (EC) 1907/2006

vPvB Very Persistent, very Bio-accumulative

References: Volume VII Approved supply list; EH40; Croner; Bulk supplier data sheets

Classification methods:

H Phrases in section 3: **H302** – Harmful If swallowed

H319 – Causes serious eye irritation

H332 – Harmful if inhaled

Training for workers:

Disclaimer: The information supplied in this safety data sheet is intended to assist in the use of the above product without risk to safety and health and is based on current knowledge and experience of the associated physico-chemical hazards. The data does not signify any warranty with regard to the product's properties. This information may be used to assist in formulating a COSHH risk assessment if applied at work. This data sheet complies with EC Directive 91/155EC.