

**1. Identification of the substance/preparation**

<b>Name of product</b>	<b>Lithofin Stain-Away</b>
<b>Manufacturer/distributor</b>	CASDRON Enterprises Ltd. Wood End, Prospect Road, Alresford Hampshire SO24 9QF Phone 0 19 62 73 21 26, Fax 0 19 62 73 53 73
<b>Advice</b>	Technical Department Phone 0 19 62 73 21 26
<b>Recommended intended purpose(s)</b>	Cleaner

**2. Composition/information on ingredients****Chemical characterization**

Solvent based cleaner

**Hazardous ingredients**

<b>CAS-No.</b>	<b>EC-No.</b>	<b>Name</b>	<b>[% weight]</b>	<b>Classification</b>
-		anionic surfactants	< 5	Xi R 38-41
000067-56-1	200-659-6	methanol	> 3	F R11; T R23/24/25-39/23/24/25
000075-09-2	200-838-9	dichloromethane	> 1	Carc.Cat.3 R40
000123-86-4	204-658-1	n-butyl acetate	< 15	R10; R66; R67
001336-21-6	215-647-6	Ammoniak...%	< 5	C R34; N R50

**3. Special hazards information for man and environment****R-phrases**

40 Limited evidence of a carcinogenic effect.  
68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**4. First aid measures****General information**

Remove contaminated soaked clothing immediately.

**In case of inhalation**

Ensure of fresh air.  
In the event of symptoms refer for medical treatment.

**In case of skin contact**

In case of contact with skin wash off immediately with soap and water.  
Consult a doctor if skin irritation persists.

**In case of eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.  
If swallowed by mistake drink plenty of water and seek medical treatment.

**5. Fire-fighting measures****Suitable extinguishing material**

Product does not burn, fire-extinguishing activities according to surrounding.

**Extinguishing material that may not be used for safety reasons**

Full water jet

**Special exposure hazards arising from the substance, combustible products or resulting gases**

In case of fire formation of dangerous gases possible.  
Hydrogen chloride (HCl)

**Additional information**

Collect contaminated firefighting water separately, must not be discharged into the drains.

**6. Accidental release measures****Personal precautions**

Ensure adequate ventilation.  
Use personal protective clothing.

**Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**Methods for cleaning up/taking up**

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder).

**7. Handling and storage****Advice on safe handling**

Use only in thoroughly ventilated areas.  
Use solvent-resistant equipment.  
Take the usual precautions when handling with chemicals.

**Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking  
Take precautionary measures against static discharges.

**Further information on storage conditions**

Keep container dry, tightly closed and store at cool and aired place.

**8. Exposure controls / personal protection****Ingredients with occupational exposure limits to be monitored**

CAS-No.	Name	Code	[mg/m <sup>3</sup> ]	[ml/m <sup>3</sup> ]	Remark
000067-56-1	methanol	DFG, EU	270	200	H, Y
000075-09-2	dichloromethane	MAK	350	100	
000123-86-4	n-butyl acetate	MAK	480	100	37

**Respiratory protection**

Breathing apparatus in the event of high concentrations.  
Short term: filter apparatus, filter AX

**Hand protection**

chemical-resistant gloves  
PVA gloves  
Neoprene gloves

**Eye protection**

safety goggles

**General protective measures**

Avoid contact with eyes and skin

**Hygiene measures**

At work do not eat, drink and smoke.

**9. Physical and chemical properties****Form**

viscous

**Colour**

whitish

**Odour**

characteristic

**Data relevant for safety**

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	not applicable				
<b>starts to boil</b>	< 65 °C				
<b>Flash point</b>	> 23 °C				
<b>Lower explosion limit</b>	ca. 0,6 Vol-%				

**Lithofin Stain-Away**

	Value	Temperature	at	Method	Remark
<b>Upper explosion limit</b>	ca. 22 Vol-%				
<b>Density</b>	ca. 1,2 g/cm <sup>3</sup>				
<b>Solubility in water</b>					emulsifiable
<b>Viscosity 1 Outflow time</b>	< 30 s			ISO 2431/3 mm	

**10. Stability and reactivity****Conditions to avoid**

No hazardous reactions known.

**11. Toxicological information****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>LD 50 acute oral</b>	not determined			
<b>LD 50 acute dermal</b>	not determined			
<b>LC 50 acute inhalation</b>	not determined			

**Additional information**

The product is a substance of Carc. Cat. 3

**12. Ecological information****Data on elimination (persistence and degradability)**

	Elimination rate	Method of analysis	Method	Validation
<b>Physico-chemical degradability</b>	not determined			
<b>Biological degradability</b>	not determined			

**13. Disposal considerations****Waste code No.**

07 06 03\*

**Name of waste**

organic halogenated solvents, washing liquids and mother liquors

**Recommendations for the product**

In accordance with regulations for special waste, must be taken to a special waste disposal.

**Recommendations for packaging**

Totally emptied packaging may be taken for recycling.

**14. Transport information****Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)**

<b>Identification</b>	Dichloromethane
<b>UN-No.</b>	1593
<b>Class</b>	6.1
<b>PG</b>	III
<b>Hazard No.</b>	60

**Marine transport IMDG/GGV See**

<b>Proper shipping name</b>	Dichloromethane
<b>UN-No.</b>	1593
<b>Class</b>	6.1
<b>PG</b>	III
<b>Marine pollutant</b>	No
<b>EmS-No.</b>	6.1-02

**Air transport ICAO/IATA**

<b>Proper shipping name</b>	Dichloromethane
<b>UN/ID-No.</b>	1593
<b>Class</b>	6.1
<b>PG</b>	III

**15. Regulatory information****Remarks for classification**

The product is classified and labelled in accordance with EC directives.

**Classification**

Xn Harmful

**R-phrases**

40 Limited evidence of a carcinogenic effect.  
68/20/21/22 Harmful: possible risk of irreversible effects through inhalation, in contact with skin and if swallowed.

**S-phrases**

2 Keep out of the reach of children.  
23.3 Do not breathe vapour.  
24/25 Avoid contact with skin and eyes.  
36/37 Wear suitable protective clothing and gloves.  
46 If swallowed, seek medical advice immediately and show this container or label.

**Hazardous ingredients for labeling**

dichloromethane, methanol

**National regulations**

**Classification according to VbF/ remarks** VbF: is not subject to decree for combustible liquids.

**Water hazard class** 2 VwVwS (17. 05. 1999)

**Other regulations, restrictions and prohibition regulations**

ZH 1/194 "Data Sheet for chlorinated hydrocarbons"

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**16. Other information****Further information**

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

**Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)**

R 10 Flammable.  
R 11 Highly flammable.  
R 23/24/25 Toxic by inhalation, in contact with skin and if swallowed.  
R 34 Causes burns.  
R 38 Irritating to skin.  
R 39/23/24/25 Toxic: danger of very serious irreversible effects through inhalation, in contact with skin and if swallowed.  
R 40 Limited evidence of a carcinogenic effect.  
R 41 Risk of serious damage to eyes.  
R 50 Very toxic to aquatic organisms.  
R 66 Repeated exposure may cause skin dryness or cracking.

Safety data-sheet (91/155 EEC)

Printed

19.10.2002

Revision

28.09.2002 (GB) Version 1.2

**Lithofin Stain-Away**

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R 67 Vapours may cause drowsiness and dizziness.