

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY.

Article name: **STARCHEM PAINT STRIPPER**

Address: StarChem Ltd
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2. COMPOSITION/INFORMATION ON INGREDIENTS.

Information on hazardous ingredients

Ingredients	%w/w	Index no.	CAS-number	Symbol(s)	Risk Phrase(s)
Dichloromethane	90 to 95	602-004-00-3	75-09-2	Xn.	R40
Methanol	5 to 15	200-659-6	67-56-1	F,T	R10,R22/25
Phenol	5 to 10	203-632-7	108-95-2	T, C	R24/25, R34
Formic Acid	1 to 5	607-001-00-0	64-18-6	C	R35
Acetic Acid	1 to 5	200-580-7	64-19-7	C	R10, R35

3. HAZARDS IDENTIFICATION

Dichloromethane is a listed class 3 carcinogen. Possible risks of irreversible effects (R40). Dichloromethane is irritant to the eyes and respiratory system. Harmful: Limited evidence of a carcinogenic effect.

4. FIRST AID MEASURES

Eyes: Immediately, gently irrigate with clean water for at least 15 minutes. Seek immediate medical attention. Transport to Hospital.

Skin: Remove contaminated clothing, avoiding contamination of unaffected areas. Flush excess chemical off skin with water. Seek medical advice.

Ingestion: Rinse out mouth with water and give 200ml of warm water to drink. Do not induce vomiting, which may contaminate the lungs. Obtain medical attention.

Inhalation: Remove patient to fresh air and rest. If patient is unconscious place in recovery position. Apply standard resuscitation techniques if breathing ceases. Seek medical attention immediately.

Other: NOTES TO PHYSICIAN: Danger of aspiration if ingested and patient vomits.

5. FIRE FIGHTING MEASURES.

Extinguishing Media: Water spray, foam, dry powder, halones or carbon dioxide.

Fire & Explosion Hazards: May evolve toxic fumes in a fire.

Protective measures: Fire fighters should wear self contained breathing apparatus and protective clothing.

6. ACCIDENTAL RELEASE MEASURES.

Personal precautions: Protective overalls, safety goggles, impervious gloves and rubber boots. Instruct others to evacuate and keep a safe distance.

Environmental Precautions: Prevent spilled liquid from spreading by use of sand or earth or other similar material. Prevent substance entering drains, watercourses and sewers. If substance enters watercourses or sewers, inform the appropriate water authorities immediately. Vapours are heavier than air and may travel along the ground.

Recovery: Ensure that disposal containers are clearly labelled. Absorb in inert material and collect up into suitable containers for disposal. If material has entered a watercourse, the National Rivers Authority should be informed promptly.

7. STORAGE AND HANDLING (IN NORMAL USE).

Storage	Keep containers sealed. Store away from combustible materials. Keep containers at ambient temperature in well ventilated area.
Ventilation	General or local exhaust ventilation should be used to control airborne levels.
Handling	Observe normal standards of industrial hygiene. Avoid contact with skin, eyes and clothing. Do not smoke during handling.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION (NORMAL USE)

Occupational Exposure Limits

Name	WEL
Dichloromethane	STEL: 300ppm. LTEL: 100ppm
Methanol	LTEL 200ppm; STEL 250ppm
Phenol	LTEL 2ppm(7.8mg/cu.m)
Formic Acid	LTEL: 5ppm (9.6mg/cu.m)
Acetic Acid	No Guidelines

Personal Protective Equipment

Respiratory	The product may only be used in a well-ventilated area. Consider use of suitable respiratory device. Wear a full face respirator if levels are likely to exceed the occupational exposure limit. Positive air supplied RPE is recommended. Check with manufacturer's specification for suitability.
Hand	Impervious gloves. Check with manufacturer's specification for suitability.
Eye	Eye goggles and / or face shield. Check with manufacturer's specification for suitability.
Other	Observe normal standards of industrial hygiene.

9. PHYSICAL / CHEMICAL PROPERTIES

Appearance	Colourless viscous liquid.
Odour	Dichloromethane.
p.H. as delivered	N/A.
Flash Point	N/D.
Auto flammability	N/D.
Vapour Pressure	N/D.
Relative Density (SG)	1.25.
Solubility	Partially soluble in water.

10. STABILITY AND REACTIVITY

Stability	Stable at ambient temperatures.
Conditions to avoid	Avoid direct heat, naked flames, fork lift exhausts etc., and ensure handling equipment is earthed. Avoid combustible materials.
Materials to avoid	May form explosive mixture with nitric acid.
Recommended Materials for equipment.	No Specific recommendations.
Hazardous decomposition products.	May liberate phosgene and hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

Acute effects.

Eyes	Causes severe burns to eyes.
Skin	Causes severe burns to the skin. May be absorbed through the skin.
Ingestion	Toxic if swallowed. Ingestion may prove fatal.
Inhalation	Inhalation of low concentration may cause headache, nausea, incoordination and "drunkenness"; high concentrations may cause bronchitis, pulmonary oedema, vomiting, numbness of the extremities, cyanosis, unconsciousness and death.
Chronic effects	Dichloromethane is a category 3 carcinogen. Adequate ventilation is essential.

12. ECOLOGICAL INFORMATION.

Mobility	Slowly biodegradable in soil
Persistence and Degradability	Slowly biodegradable
Bio-accumulation	Not expected to persist in the environment
Aquatic toxicity	Acute aquatic toxicity
Other	No data available

13. DISPOSAL CONSIDERATIONS.

Dispose of through an authorised contractor to a Licensed site. Any waste or contaminated spills should be disposed of in accordance with local and statutory requirements using a registered waste disposal contractor.

14. TRANSPORT INFORMATION (REGULATIONS).

Packaging	Polyethylene drums.
Transport classification	Toxic substance
UN number	2810
Proper shipping name	Toxic liquid, Organic, NOS (Contains Dichloromethane and methanol)
ADR Packing group	II
Transport hazard class	6.1
Transport hazard symbol	Black skull and cross bones on white.
Other	Toxic material for conveyance by road. Corrosive material for conveyance by road.

15. REGULATORY INFORMATION (SUPPLY AND LABELLING)

Symbol	Xn, Harmful
Supply classification	Toxic, corrosive.
Risk phrases	R40, Limited evidence of a carcinogenic effect. R21/22, Harmful by inhalation and in contact with skin. R36/38 Irritating to eyes and skin.
Safety phrases	S27, Take off immediately all contaminated clothing. S28, After contact with skin, wash immediately with soap and water. S36/37, Wear suitable protective clothing and gloves. S45, In case of accident or if you feel unwell seek medical advice immediately (show the label where possible). S51, Use only in well ventilated places.

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:

DECISION No 455/2009/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 6 May 2009
Amendment to Annex I to Directive 76/769/EEC – Applicable to sales within the European Union:

Industrial users require the following provisions:

- (a) effective ventilation in all processing areas, in particular for the wet processing and the drying of stripped articles: local exhaust ventilation at strip tanks supplemented by forced ventilation in those areas, so as to minimise exposure and to ensure compliance, where technically feasible, with relevant occupational exposure limits;
- (b) measures to minimise evaporation from strip tanks comprising: lids for covering strip tanks except during loading and unloading; suitable loading and unloading arrangements for strip tanks; and wash tanks with water or brine to remove excess solvent after unloading;
- (c) measures for the safe handling of dichloromethane in strip tanks comprising: pumps and pipework for transferring paint stripper to and from strip tanks; and suitable arrangements for safe cleaning of tanks and removal of sludge;
- (d) personal protective equipment that complies with Directive 89/686/EEC comprising: suitable protective gloves, safety goggles and protective clothing; and appropriate respiratory protective equipment where compliance with relevant occupational exposure limits cannot be otherwise achieved;
- (e) adequate information, instruction and training for operators in the use of such equipment.

Professional use allowed only under the following conditions:

For use, by specifically trained professionals, trained in the appropriate provisions for the protection of the health and safety including a requirement that a professional shall hold a certificate that is accepted by the Member State in which that professional operates, so as to demonstrate proper training and competence to safely use paint strippers containing dichloromethane.

A professional benefiting from the derogation shall operate only in Member States which have made use of that derogation and the training referred to in paragraph 2 shall cover as a minimum:

- (a) Awareness, evaluation and management of risks to health, including information on existing substitutes or processes, which under their conditions of use are less hazardous to the health and safety of workers;
- (b) Use of adequate ventilation;
- (c) Use of appropriate personal protective equipment that complies with Directive 89/686/EEC.

Employers and self-employed workers shall by preference replace dichloromethane with a chemical agent or process which, under its conditions of use, presents no risk, or a lower risk, to the health and safety of workers.

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.

16. OTHER INFORMATION

The information is accurate to the best knowledge of the Company. StarChem Ltd does not accept any liability whatsoever arising out of the use of the information, or any use, application, adaptation or processing of the product described therein. Contact supplier for further information.

Starchem Ltd

Un No: 2810

LOAD: Toxic Liquid Organic N.O.S. contains methanol, phenol & dichloromethane.

Packaging Group: III

Nature of Danger: Toxic, limited evidence of a carcinogenic effect.
Vapour is invisible and heavier than air.
Heating will cause pressure rise with risk of bursting.
Decomposition in a fire: production of toxic fumes.

Personal Protection: Suitable respiratory protective device.
Goggles giving complete protection to eyes.
Chemical-resistant gloves.
Apron or other light protective clothing.
Chemical resistant boots.
Eyewash bottle with clean water.
No naked lights. No smoking.

FIRST AID

- If the substance has got into the eyes, immediately wash out with plenty of water. Continue treatment until medical assistance is provided.
- Seek medical treatment when anyone has symptoms apparently due to inhalation or contact with skin or eyes.

SUPPLEMENTARY INFORMATION FOR EMERGENCY SERVICES

- Keep container(s) cool by spraying with water if exposed to fire.
- Extinguish with carbon dioxide, foam or dry chemical.
- Do not use water jets.
- Wear breathing apparatus.

StarChem Ltd
Strawberry Lane

Willenhall
West Midlands WV13 3RS
(Emergency Telephone No: 01902 838880)



Starchem Paint Stripper – Rules governing supply

Background

The law ¹ now restricts the use of paint strippers which contain dichloromethane in a concentration equal to or greater than 0.1 % by weight.

Starchem paint stripper (product code PS-50) falls into this category.

Restrictions

Starchem paint stripper may now only be used in "industrial installations." An industrial installation is a facility used for paint stripping activities.

Without prejudice to other Community legislation on workers protection, our paint stripper may be used in industrial installations only if the following minimum conditions are met: -

- (a) effective ventilation in all processing areas, in particular for the wet processing and the drying of stripped articles: local exhaust ventilation at strip tanks supplemented by forced ventilation in those areas, so as to minimise exposure and to ensure compliance, where technically feasible, with relevant occupational exposure limits;
- (b) measures to minimise evaporation from strip tanks comprising: lids for covering strip tanks except during loading and unloading; suitable loading and unloading arrangements for strip tanks; and wash tanks with water or brine to remove excess solvent after unloading;
- (c) measures for the safe handling of dichloromethane in strip tanks comprising: pumps and pipework for transferring paint stripper to and from strip tanks; and suitable arrangements for safe cleaning of tanks and removal of sludge;
- (d) personal protective equipment that complies with Directive 89/686/EEC comprising: suitable protective gloves, safety goggles and protective clothing; and appropriate respiratory protective equipment where compliance with relevant occupational exposure limits cannot be otherwise achieved;
- (e) adequate information, instruction and training for operators in the use of such equipment.

Effect of this law

Starchem paint stripper must not be supplied to any person or company which cannot comply with these restrictions.

STARCHEM LTD, STRAWBERRY LANE, WOLVERHAMPTON WV13 3RS.
Company registration number: 1016000. Registered in England and Wales

¹

COMMISSION REGULATION (EU) No 276/2010 of 31 March 2010 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as regards Annex XVII (dichloromethane, lamp oils and grill lighter fluids and organostannic compounds).

Paint stripper containing more than 0.1% dichloromethane by weight ("paint stripper") - restrictions on use.

Please read and understand the following conditions which must be met, in addition to any other statutory requirements, in order to procure paint stripper:

- (a) effective ventilation in all processing areas, in particular for the wet processing and the drying of stripped articles: local exhaust ventilation at strip tanks supplemented by forced ventilation in those areas, so as to minimise exposure and to ensure compliance, where technically feasible, with relevant occupational exposure limits;
- (b) measures to minimise evaporation from strip tanks comprising: lids for covering strip tanks except during loading and unloading; suitable loading and unloading arrangements for strip tanks; and wash tanks with water or brine to remove excess solvent after unloading;
- (c) measures for the safe handling of dichloromethane in strip tanks comprising: pumps and pipework for transferring paint stripper to and from strip tanks; and suitable arrangements for safe cleaning of tanks and removal of sludge;
- (d) personal protective equipment that complies with Directive 89/686/EEC comprising: suitable protective gloves, safety goggles and protective clothing; and appropriate respiratory protective equipment where compliance with relevant occupational exposure limits cannot be otherwise achieved;
- (e) adequate information, instruction and training for operators in the use of such equipment.

I certify that paint stripper will only be used when these conditions have been met (where applicable).

Should I/we supply paint stripper to another person or company, I/we will ensure that the recipient is aware of these restrictions and will supply only if they can be complied with.

Please select 'I agree to the terms and conditions' under the dropdown menu to purchase.