



## SAFETY DATA SHEET

### Carbosolv Xylene Thinners / Solvent

According to Regulation (EC) No 1907/2006, Annex II, as amended. Commission Regulation (EU) No 2015/830 of 28 May 2015.

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

**Product name** Carbosolv Xylene Thinners / Solvent  
**Product code** S072 - S073 - S074 - S075 - S075BULK  
**Product size** 1L - 2.5L - 5L - 25L - 205L

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against Identified uses

Ideal for cleaning spray guns and will mix with most fast dry and hammer finish paints.

##### 1.3. Details of the supplier of the safety data sheet

**Supplier** Palatine Paints & Chemicals Limited  
 55 Smallbrook Lane, Leigh,  
 Lancashire,  
 WN7 5PZ  
 UK  
 +44 (0)1942 884122 (T)  
 sales@palatinepaints.co.uk

**Contact person** Sales Department - 08.00 - 17.00 hrs Mon - Fri

**1.4. Emergency telephone** + 44 (0)1942 884122 (T) - 08.00 - 17.00 hrs Mon - Fri (not 24hr)

**National emergency telephone number** 0344 892 0111

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture Classification (EC 1272/2008)

**Physical hazards** Flam. Liq. 3 - H226  
**Health hazards** STOT RE 2 - H373. Asp. Tox. 1 - H304. Acute Tox. 4 - H312. Acute  
**Environmental hazards** Tox. 4 - H332. Skin Irrit. 2 - H315. Eye Irrit.. 2 - H319. STOT SE 3 - H335.

**2.2. Label elements Hazard** Aquatic Chronic 3 - H411

**pictograms**



**Signal word** Danger

<b>Hazard statements</b>	Flammable liquid and vapour (H226). Harmful if swallowed, in contact with skin or if inhaled (H302+H312+H332) Harmful in contact with skin or if inhaled (H312+H332) Causes skin irritation (H315). Causes serious eye irritation (H319). May cause respiratory irritation (H335). May cause damage to organs through prolonged or repeated exposure (H373). May be fatal if swallowed and enters airways (H304). Harmful to aquatic life with long lasting effects (H412).
<b>Precautionary statements</b>	P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261: Avoid breathing vapours. P280: Wear protective gloves/protective clothing/eye protection/face protection. P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/. P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. P332+313: If skin irritation occurs: Get medical advice/attention. Store in a well-ventilated place. Keep container tightly closed (P403+P233). Store locked up (P405).

**Supplemental label information**

**Contains**

**Supplementary precautionary statements**

**2.3. Other hazards**

**Other hazards:** In use, may form flammable / explosive vapour-air mixture.

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

**SECTION 3: Composition/information on ingredients**

**3.2. Mixtures**

<b>S532 XYLENE</b>			<b>90-100%</b>
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX	
<b>Classification</b>			
Flam. Liq. 3 - H226. Acute Tox. 4 - H302 - H312 - H332 . Skin Irrit. 2 - H315. Eye Irrit. 2 - H319			
STOT SE 3 - H335. STOT RE 2 - H373.			
Asp. Tox. 1 - H304. STOT SE 3 - H335.			

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**Composition comments**

**SECTION 4: First aid measures****4.1. Description of first aid measures**

<b>General information</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	Remove affected person from source of contamination. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Get medical attention if any discomfort continues. Place unconscious person on their side in the recovery position and ensure breathing can take place.
<b>Ingestion</b>	DO NOT induce vomiting. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.
<b>Skin contact</b>	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.
<b>Eye contact</b>	Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

<b>General information</b>	Get medical attention promptly if symptoms occur after washing.
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**4.3. Indication of any immediate medical attention and special treatment needed**

<b>Notes for the doctor</b>	No specific recommendations.
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**SECTION 5: Firefighting measures****5.1. Extinguishing media**

<b>Suitable extinguishing media</b>	Extinguish with foam, carbon dioxide, dry powder or water fog. Do not use water jet as an extinguisher, as this will spread the fire.
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**5.2. Special hazards arising from the substance or mixture**

<b>Specific hazards</b>	Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.
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**5.3. Advice for firefighters**

<b>Protective actions during firefighting</b>	Risk of re-ignition after fire has been extinguished. Cool containers exposed to flames with water until well after the fire is out. Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

<b>Personal precautions</b>	Avoid inhalation of vapours and contact with skin and eyes. Provide adequate ventilation. No smoking, sparks, flames or other sources of ignition near spillage. Ensure suitable respiratory protection is worn during removal of spillages in confined areas.
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**6.2. Environmental precautions**

<b>Environmental precautions</b>	Do not discharge into drains or watercourses or onto the ground. Contain spillage with sand, earth or other suitable non-combustible material. Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.
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**6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up** Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Avoid the spillage or runoff entering drains, sewers or watercourses. Absorb in vermiculite, dry sand or earth and place into containers. Collect and place in suitable waste disposal containers and seal securely. For waste disposal, see Section 13.

**6.4. Reference to other sections**

**Reference to other sections** For personal protection, see Section 8.

**SECTION 7: Handling and storage**

**7.1. Precautions for safe handling**

**Usage precautions** Observe any occupational exposure limits for the product or ingredients. Avoid inhalation of vapours and spray/mists. Keep away from heat, sparks and open flame. Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level. Do not eat, drink or smoke when using the product. The Manual Handling Operations Regulations may apply to the handling of containers of this product. To assist employers, the following method of calculating the weight for any pack size is given. Take the pack size volume in litres and multiply this figure by the specific gravity value given in section 9. This will give the net weight of the coating in kilograms. Allowance will then have to be made for the immediate packaging to give an approximate gross weight.

**7.2. Conditions for safe storage, including any incompatibilities**

**Storage precautions** Store in closed original container at temperatures between 5°C and 25°C. Keep away from heat, sparks and open flame. Keep container tightly closed. Keep containers upright. Store away from the following materials: Oxidising materials. Alkalis. Acids.

**Storage class** Flammable liquid storage. The storage and use of this product is subject to the Dangerous Substances and Explosive Atmospheres Regulations (DSEAR). The requirements are given in the HSE Approved Code of Practice and Guidance, Storage of Dangerous Substances: DSEAR. Up to 250 litres of liquids with a flashpoint above 32C but below 55C may be kept in a workroom provided they are kept in closed containers in a marked, fire-resisting cupboard or bin. Larger quantities must be kept in a separate , marked storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers.

**7.3. Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

**Specific end use(s)** Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon

**Usage description** as possible.

**SECTION 8: Exposure controls/Personal protection**

**8.1. Control parameters**

**Occupational exposure limits**

**XYLENE**

STEL: 441 mg/m3 15 min

TWA: 50 ppm 8 hr

TWA: 220 mg/m3 8 hr

Skin

**XYLENE**

**DNEL**

Dermal | 3182mg/kg | Workers | Systemic  
Inhalation | 289mg/kg | Workers | Systemic  
Inhalation | 289mg/m3 | Workers | Local

**PNEC**

PNEC | Fresh water | 0.327 mg/l  
PNEC | Fresh water sediments | 12.46 mg/kg  
PNEC | Marine sediments | 12.46 mg/kg  
PNEC | Soil (agricultural) | 2.31 mg/kg

**8.2. Exposure controls**

**Protective equipment**



**Appropriate engineering controls**

Provide adequate general and local exhaust ventilation. Observe any occupational exposure limits for the product or ingredients.

**Eye/face protection**

Wear chemical splash goggles.

**Hand protection**

To protect hands from chemicals, gloves should comply with European Standards EN388 and 374. As a general principle, exposure should be managed by means other than the provision of protective gloves. Manufacturers' performance data suggest that the optimum glove for use should be: Wear protective gloves made of the following material: Nitrile rubber. Thickness: ≥ 0.31 mm Permeation breakthrough time according to EN374 - class: (1-6) e.g. minimum 480 mins. Caution: The performance of gloves under actual working conditions can be significantly affected by many factors and the information provided according to EN374 may not accord with what is achieved in practice. We recommend that expert professional advice is sought that takes into account of the work processes and working environment applicable for each task where gloves are to be worn.

**Other skin and body protection**

Wear appropriate clothing to prevent reasonably probable skin contact.

**Hygiene measures**

No specific hygiene procedures recommended but good personal hygiene practices should always be observed when working with chemical products.

**Respiratory protection**

Respiratory protection must be used if the airborne contamination exceeds the recommended occupational exposure limit. In case of inadequate ventilation use suitable respirator. It is recommended to use respiratory equipment with combination filter, type A2/P2.

<b>SECTION 9: Physical and chemical properties</b>
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**9.1. Information on basic physical and chemical properties**

<b>Appearance</b>	Liquid
<b>Colour</b>	Coloureless
<b>Odour</b>	Hydrocarbon
<b>Odour threshold</b>	Organic solvents.
<b>pH</b>	Not determined.
<b>Melting point</b>	<-80
<b>Initial boiling point and range</b>	136-143
<b>Flash point</b>	23 °C / 73.4 °F approx. Closed cup.
<b>Evaporation rate</b>	Slow
<b>Evaporation factor</b>	Not determined.
<b>Upper/lower flammability or explosive limits</b>	Lower 1.0 Upper 7.0
<b>Other flammability</b>	Not determined.
<b>Vapour pressure</b>	7.0mm Hg
<b>Vapour density</b>	3.70
<b>Relative density</b>	0.860
<b>Solubility(ies)</b>	Insoluble in water. Soluble in most organic solvents.
<b>Partition coefficient</b>	Not determined.
<b>Auto-ignition temperature</b>	>432
<b>Decomposition Temperature</b>	Not determined.
<b>Viscosity</b>	Non-viscous
<b>Explosive properties</b>	explosive air/vapour mixtures possible
<b>Oxidising properties</b>	Non-oxidising (by EC criteria)

**9.2. Other information**

<b>Volatility</b>	No data available.
<b>Volatile organic compound</b>	No data available.

**SECTION 10: Stability and reactivity****10.1. Reactivity**

**Reactivity** Stable under recommended transport or storage conditions.

**10.2. Chemical stability**

**Stability** Stable at normal ambient temperatures and when used as recommended.

**10.3. Possibility of hazardous reactions**

**Possibility of hazardous reactions** Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below.

**10.4. Conditions to avoid**

**Conditions to avoid** Avoid heat, flames and other sources of ignition. Avoid contact with the following materials: Acids. Oxidising agents.

**10.5. Incompatible materials**

**Materials to avoid** Strong alkalis. Strong acids. Strong oxidising agents.

**10.6. Hazardous decomposition products**

**Hazardous decomposition products** Oxides of carbon. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects**

<b>Inhalation</b>	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Acute and chronic health hazards</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Route of exposure</b>	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
<b>Medical considerations</b>	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.
<b>Inhalation</b>	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
<b>Ingestion</b>	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
<b>Skin contact</b>	Product has a defatting effect on skin. Repeated exposure may cause skin dryness or cracking. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.
<b>Eye contact</b>	May cause temporary eye irritation.
<b>Acute and chronic health hazards</b>	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
<b>Route of exposure</b>	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
<b>Medical considerations</b>	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.

**Toxicological information on ingredients.**

**XYLENE**

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation
Xylenes (o-, m-, p- isomers)	LD50 = 3500 mg/kg ( Rat )	LD50 > 4350 mg/kg ( Rabbit )	29.08 mg/L [MOE Risk Assessment Vol.1, 2002]

- (b) skin corrosion/irritation;** Category 2
- (c) serious eye damage/irritation;** Category 2
- (d) respiratory or skin sensitization;**  
**Respiratory** Based on available data, the classification criteria are not met  
**Skin** Based on available data, the classification criteria are not met
- (e) germ cell mutagenicity;** Based on available data, the classification criteria are not met
- (f) carcinogenicity;** Based on available data, the classification criteria are not met  
 There are no known carcinogenic chemicals in this product
- (g) reproductive toxicity;** Based on available data, the classification criteria are not met
- (h) STOT-single exposure;** Category 3  
**Results / Target organs** Respiratory system.
- (i) STOT-repeated exposure;** Category 2  
**Target Organs** No information available.
- (j) aspiration hazard;** Category 1
- Symptoms / effects, both acute and delayed** Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

**11.2. Information on other hazards**

Endocrine Disrupting Properties Assess endocrine disrupting properties for human health. This product does not contain any known or suspected endocrine disruptors

**SECTION 12: Ecological information**

Component	Freshwater Fish	Water Flea
Xylenes (o-, m-, p- isomers)	LC50: = 780 mg/L, 96h semi-static (Cyprinus carpio) LC50: 23.53 - 29.97 mg/L, 96h static (Pimephales promelas) LC50: > 780 mg/L, 96h (Cyprinus carpio) LC50: 30.26 - 40.75 mg/L, 96h static (Poecilia reticulata) LC50: 7.711 - 9.591 mg/L, 96h static (Lepomis macrochirus) LC50: = 19 mg/L, 96h (Lepomis macrochirus) LC50: 13.1 - 16.5 mg/L, 96h flow-through (Lepomis macrochirus) LC50: 13.5 - 17.3 mg/L, 96h (Oncorhynchus mykiss) LC50: 2.661 - 4.093 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 13.4 mg/L, 96h flow-through (Pimephales promelas)	LC50: = 0.6 mg/L, 48h (Gammarus lacustris) EC50: = 3.82 mg/L, 48h (water flea)



**12.2. Persistence and degradability**

<b>Persistence</b>	Persistence is unlikely.
<b>Degradation in sewage treatment plant</b>	Contains substances known to be hazardous to the environment or not degradable in waste water treatment plants.

**12.3. Bioaccumulative potential**

Bioaccumulation is unlikely

<b>Component</b>	Xylenes (o-, m-, p- isomers)
<b>log Pow</b>	3.15
<b>Bioconcentration factor (BCF)</b>	0.6 - 15

**12.4. Mobility in soil Spillage**

unlikely to penetrate soil. The product is insoluble and floats on water. Is not likely mobile in the environment due its low water solubility.

**12.5. Results of PBT and vPvB assessment**

Substance is not considered persistent, bioaccumulative and toxic (PBT) / very persistent and very bioaccumulative (vPvB).

**12.6. Endocrine disrupting properties**

**Endocrine Disruptor Information** This product does not contain any known or suspected endocrine disruptors.

**12.7. Other adverse effects**

<b>Persistent Organic Pollutant</b>	This product does not contain any known or suspected substance
<b>Ozone Depletion Potential</b>	This product does not contain any known or suspected substance

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

<b>General information</b>	Avoid the spillage or runoff entering drains, sewers or watercourses.
<b>Disposal methods</b>	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
<b>Waste class</b>	When this coating, in its liquid state, as supplied, becomes a waste, it is categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). Part-used containers, not drained and/or rigorously scraped out and containing dried residues of the supplied coating, are categorised as hazardous waste, with code 08 01 11* (SOLVENT BASED LIQUID WASTE). If mixed with other wastes, the above waste code may not be applicable. Used containers, drained and/or rigorously scraped out and containing dry residues of the supplied coating, are categorised as non-hazardous waste, with code 15 01 02 (plastic packaging) or 15 01 04 (metal packaging).

**SECTION 14: Transport information**

**General** Some sizes of this product packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG.

**14.1. UN number****IMDG/IMO**

**14.1. UN number** UN1307

**14.2. UN proper shipping name** XYLENES

**14.3. Transport hazard class(es)** 3

**14.4. Packing group** III

**ADR**

**14.1. UN number** UN1307

**14.2. UN proper shipping name** XYLENES

**14.3. Transport hazard class(es)** 3

**14.4. Packing group** III

**IATA**

**14.1. UN number** UN1307

**14.2. UN proper shipping name** XYLENES

**14.3. Transport hazard class(es)** 3

**14.4. Packing group** III

**14.5. Environmental hazards** No hazards identified

**14.6. Special precautions** No special precautions required

**for user**

**14.7. Maritime transport in bulk** Not applicable, packaged goods

**according to IMO instruments**

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

<b>EU legislation</b>	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) (as amended). 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 (as amended).
<b>Guidance</b>	Safety Data Sheets for Substances and Preparations.

**15.2. Chemical safety assessment**

No chemical safety assessment has been carried out.

**Inventories****EU - EINECS/ELINCS**

None of the ingredients are listed or exempt.

**SECTION 16: Other information**

<b>Abbreviations and acronyms used in the safety data sheet</b>	ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road. ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail. IATA: International Air Transport Association. ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG: International Maritime Dangerous Goods. CAS: Chemical Abstracts Service. ATE: Acute Toxicity Estimate. LC <sub>50</sub> : Lethal Concentration to 50 % of a test population. LD <sub>50</sub> : Lethal Dose to 50% of a test population (Median Lethal Dose). EC <sub>50</sub> : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
<b>Classification abbreviations and acronyms</b>	Acute Tox. = Acute toxicity Aquatic Acute = Hazardous to the aquatic environment (acute) Aquatic Chronic = Hazardous to the aquatic environment (chronic) Asp. Tox. = Aspiration hazard Flam. Liq. = Flammable liquid STOT RE = Specific target organ toxicity-repeated exposure STOT SE = Specific target organ toxicity-single exposure
<b>Training advice</b>	Read and follow manufacturer's recommendations.
<b>Revision comments</b>	Issued in new format for Reach compliance in accordance with EC 1272/2008 Issued in accordance with Annex II to REACH, as amended by Commission Regulation (EU) No. 2015/830 Addition of EU supplier information
<b>Issued by</b>	Technical Dept. (N.O.)
<b>Revision date</b>	19/01/2023
<b>Revision</b>	1.0
<b>Supersedes date</b>	Not Applicable
<b>SDS number</b>	20254
<b>SDS status</b>	Approved.

**Hazard statements in full**

- H226 - Flammable liquid and vapor
- H304 - May be fatal if swallowed and enters airways
- H312 - Harmful in contact with skin
- H332 - Harmful if inhaled
- H315 - Causes skin irritation
- H319 - Causes serious eye irritation
- H335 - May cause respiratory irritation
- H373 - May cause damage to organs through prolonged or repeated exposure
- H412 - Harmful to aquatic life with long lasting effects

**Signature: J.H**

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. However, 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.