



SAFETY DATA SHEET

Carbosolv Multi Purpose Thinners

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 Multi Purpose Thjnners
Product code S061 - S062 - S063 - S064 - S064BULK
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 dryand 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

Hazard statements	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).
Precautionary statements	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

S532 XYLENE		60-100%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX
Classification		
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**

General information	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.
Inhalation	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.
Ingestion	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.
Skin contact	Remove affected person from source of contamination. Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	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

General information	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

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

Suitable extinguishing media	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

Specific hazards	Toxic gases or vapours. FLAMMABLE. Solvent vapours may form explosive mixtures with air.
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5.3. Advice for firefighters

Protective actions during firefighting	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.
Special protective equipment for firefighters	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**

Personal precautions	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

Environmental precautions	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 as possible.

Usage description

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.

SECTION 9: Physical and chemical properties
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9.1. Information on basic physical and chemical properties

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

9.2. Other information

Volatility	No data available.
Volatile organic compound	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**

Inhalation	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	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.
Eye contact	May cause temporary eye irritation.
Acute and chronic health hazards	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Route of exposure	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
Medical considerations	Skin disorders and allergies. Avoid vomiting and stomach flushing because of the risk of aspiration.
Inhalation	Vapour from this product may be hazardous by inhalation. Vapour may irritate respiratory system/lungs.
Ingestion	Liquid irritates mucous membranes and may cause abdominal pain if swallowed.
Skin contact	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.
Eye contact	May cause temporary eye irritation.
Acute and chronic health hazards	This product has low toxicity. Only large quantities are likely to have adverse effects on human health.
Route of exposure	Inhalation Skin absorption. Ingestion. Skin and/or eye contact.
Medical considerations	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;
Results / Target organs Category 3
Respiratory system.
- (i) STOT-repeated exposure;
Target Organs Category 2
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: = 0.6 mg/L, 48h (Gammarus lacustris)
	LC50: 23.53 - 29.97 mg/L, 96h static (Pimephales promelas)	EC50: = 3.82 mg/L, 48h (water flea)
	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)	

12.2. Persistence and degradability

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

12.3. Bioaccumulative potential

Bioaccumulation is unlikely

Component	Xylenes (o-, m-, p- isomers)
log Pow	3.15
Bioconcentration factor (BCF)	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

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

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

General information	Avoid the spillage or runoff entering drains, sewers or watercourses.
Disposal methods	Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority.
Waste class	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**

EU legislation	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).
Guidance	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

Abbreviations and acronyms used in the safety data sheet	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 ₅₀ : Lethal Concentration to 50 % of a test population. LD ₅₀ : Lethal Dose to 50% of a test population (Median Lethal Dose). EC ₅₀ : 50% of maximal Effective Concentration. PBT: Persistent, Bioaccumulative and Toxic substance. vPvB: Very Persistent and Very Bioaccumulative.
Classification abbreviations and acronyms	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
Training advice	Read and follow manufacturer's recommendations.
Revision comments	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
Issued by	Technical Dept. (N.O.)
Revision date	19/01/2023
Revision	1.0
Supersedes date	Not Applicable
SDS number	20254
SDS status	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.