



**SAFETY DATA SHEET
TH2 THINNERS**

1 IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

PRODUCT NAME	TH2 THINNERS		
PRODUCT NO.	TH2		
APPLICATION	THINNER FOR PAINT		
SUPPLIER	Witham Group Stanley Road Oulton Broad Lowestoft Suffolk NR33 9ND Tel: 01502 563434 Fax: 01502 500010 enquiries@withamgroup.co.uk	MANUFACTURER	Witham Group Stanley Road Oulton Broad Lowestoft Suffolk NR33 9ND Tel: 01502 563434 Fax: 01502 500010 enquiries@withamgroup.co.uk
EMERGENCY TELEPHONE	(01502)563434 Monday to Thursday 8.00am to 5.00pm, Friday 8.00am to 4.30pm.		

2 HAZARDS IDENTIFICATION

Harmful by inhalation and in contact with skin. Irritating to skin. Flammable.

CLASSIFICATION Xn;R20/21. Xi;R38. R10.

3 COMPOSITION/INFORMATION ON INGREDIENTS

Name	EC No.	CAS-No.	Content	Classification
XYLENE	215-535-7	1330-20-7	60-100%	R10 Xn;R20/21 Xi;R38

The Full Text for all R-Phrases are Displayed in Section 16

4 FIRST-AID MEASURES

GENERAL INFORMATION

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.

INHALATION

Move the exposed person to fresh air at once. Provide rest, warmth and fresh air. NEVER MAKE AN UNCONSCIOUS PERSON VOMIT OR DRINK FLUIDS! Give nothing by mouth.

INGESTION

Get medical attention immediately! Provide rest, warmth and fresh air. DO NOT INDUCE VOMITING!

SKIN CONTACT

Remove contaminated clothing. Wash skin thoroughly with soap and water. Do NOT use solvents or thinners.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention promptly if symptoms occur after washing.

5 FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

SPECIAL FIRE FIGHTING PROCEDURES

Avoid breathing fire vapours. Containers close to fire should be removed immediately or cooled with water. Keep run-off water out of sewers and water sources. Dike for water control.

SPECIFIC HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures. By fire, toxic gases may be formed (COx, NOx).

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6 ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Wear protective clothing as described in Section 8 of this safety data sheet. Do not smoke, use naked flames or other sources of ignition.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. Do not discharge into drains, water courses or onto the ground. The product should not be dumped in nature but collected and delivered according to agreement with the local authorities.

SPILL CLEAN UP METHODS

For waste disposal, see section 13. Absorb in vermiculite, dry sand or earth and place into containers.

7 HANDLING AND STORAGE

USAGE PRECAUTIONS

Risk of vapour concentration on the floor and in low-lying areas. Avoid eating, drinking and smoking when using the product. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level.

STORAGE PRECAUTIONS

Up to 50litres of liquids with a flash point below 32 deg C 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 storeroom conforming to the structural requirements contained in the HSE guidance note Storage of Flammable Liquids in Containers. Store away from Acids. Alkalies. Oxidising material. Store in closed original container at temperatures between 5°C and 25°C.

STORAGE CLASS

Flammable liquid storage.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	Std	TWA - 8 hrs		STEL - 15 min		Notes
XYLENE	WEL	50 ppm(Sk)	220 mg/m3(Sk)	100 ppm(Sk)	441 mg/m3(Sk)	

WEL = Workplace Exposure Limit.

INGREDIENT COMMENTS

WEL = Workplace Exposure Limits

PROTECTIVE EQUIPMENT



PROCESS CONDITIONS

Provide eyewash station.

ENGINEERING MEASURES

Provide adequate ventilation. Observe Workplace Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

Wear suitable respiratory protection.

HAND PROTECTION

Nitrile gloves are recommended.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Use barrier creams to prevent skin contact.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet.

SKIN PROTECTION

Wear apron or protective clothing in case of splashes.

9 PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE	Clear liquid		
COLOUR	Colourless		
ODOUR	Aromatic hydrocarbons		
SOLUBILITY	Immiscible with water		
BOILING POINT (°C)	138 760 mm Hg	RELATIVE DENSITY	0.865 20 DEG C
VAPOUR DENSITY (air=1)	>1.0	VAPOUR PRESSURE	7.0 mm Hg 20 DEG C
VISCOSITY	N/A	FLASH POINT (°C)	>21 DEG C Sh CC (Setaflash closed cup).
VOLATILE ORGANIC COMPOUND (VOC)	865 g/litre		

10 STABILITY AND REACTIVITY**STABILITY**

Stable under normal temperature conditions and recommended use.

CONDITIONS TO AVOID

Avoid contact with: Oxidising materials. Strong alkalis. Strong mineral acids.

MATERIALS TO AVOID

Strong acids. Strong alkalis. Strong oxidising substances.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire, toxic gases (CO, CO₂, NO_x) may be formed.

11 TOXICOLOGICAL INFORMATION**TOXICOLOGICAL INFORMATION**

No data recorded.

GENERAL INFORMATION

Contains small amounts of organic solvents. Extensive use of the product in areas with inadequate ventilation may result in hazardous vapour concentrations.

INHALATION

Exposure to organic vapours in excess of the stated occupational exposure limit may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on kidney, liver and central nervous system. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

INGESTION

May cause discomfort if swallowed.

SKIN CONTACT

Prolonged contact may cause redness, irritation and dry skin.

EYE CONTACT

Splashes in the eyes may cause irritation and reversible local damage

HEALTH WARNINGS

Prolonged or repeated contact leads to drying of skin.

ROUTE OF ENTRY

Inhalation. Skin absorption. Ingestion. Skin and/or eye contact.

TARGET ORGANS

Kidneys. Liver. Central nervous system.

MEDICAL SYMPTOMS

High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

12 ECOLOGICAL INFORMATION**ECOTOXICITY**

There are no data on the ecotoxicity of this product.

MOBILITY

The product is insoluble in water and will spread on the water surface.

BIOACCUMULATION

The product contains potentially bioaccumulating substances.

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DEGRADABILITY

The product is biodegradable. Volatile substances are degraded in the atmosphere within a few days.

13 DISPOSAL CONSIDERATIONS

GENERAL INFORMATION

Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.

DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14 TRANSPORT INFORMATION



PROPER SHIPPING NAME	XYLENE		
UN NO. ROAD	1307	ADR CLASS NO.	3
ADR CLASS	Class 3: Flammable liquids.	ADR PACK GROUP	III
IMDG CLASS	3.3	IMDG PACK GR.	III
MARINE POLLUTANT			



15 REGULATORY INFORMATION

LABELLING



Harmful

CONTAINS XYLENE

RISK PHRASES

- R20/21 Harmful by inhalation and in contact with skin.
- R38 Irritating to skin.
- R10 Flammable.

SAFETY PHRASES

- S13 Keep away from food, drink and animal feeding stuffs.
- S23 Do not breathe vapour/spray.
- S24 Avoid contact with skin.
- S36/37 Wear suitable protective clothing and gloves.
- S43 In case of fire, use alcohol-resistant foam, carbon dioxide or dry powder. Never use water.
- S46 If swallowed, seek medical advice immediately and show this container or label.
- S51 Use only in well-ventilated areas.
- S56 Dispose of this material and its container to hazardous or special waste collection point.
- S64 If swallowed, rinse mouth with water (only if the person is conscious).

UK REGULATORY REFERENCES

Health and Safety at Work Act 1974. The Control of Substances Hazardous to Health Regulations 1988.

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EU DIRECTIVES

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.

STATUTORY INSTRUMENTS

Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.

16 OTHER INFORMATION

ISSUED BY

Technical manager

REVISION DATE 10/11/2009

REV. NO./REPL. SDS GENERATED 1

DATE 10/11/09

RISK PHRASES IN FULL

R10 Flammable.

R20/21 Harmful by inhalation and in contact with skin.

R38 Irritating to skin.

DISCLAIMER

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.