

Safety Data Sheet

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: **TM4060-0030.M0**
Product name: **FINITURA POLIURETANICA TRASPARENTE OP.30**

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

Intended use: **polyurethane transparent top coat - Comp. A -**

1.3. Details of the supplier of the safety data sheet

Name: **Sherwin-Williams Italy Coatings Srl**
Full address: **Via Volturno, 96**
District and Country: **41032 Cavezzo MO**
Italia
Tel.: **+39 0535 615611**
Fax: **+39 0535 49055**

e-mail address of the competent person responsible for the Safety Data Sheet: **isabella.padovani@sherwin.com**

Product distribution by: **Sherwin-Williams Italy Coatings Srl**
Via Volturno 96
41032 Cavezzo (Mo) Italia

1.4. Emergency telephone number

For urgent inquiries refer to: **Dott.ssa I. PADOVANI**
+39 348 9029256 (24h)

2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in Directives 67/548/EEC and 1999/45/EC and/or EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet

Danger Symbols: **F-Xn**

R phrases: **11-20/21-38**

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet

2.2. Label elements

Hazard labeling under the 67/548/EEC and 1999/45/EC directives and following amendments and adjustments.



R11 HIGHLY FLAMMABLE.
R20/21 HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R38 IRRITATING TO SKIN.
S16 KEEP AWAY FROM SOURCES OF IGNITION - NO SMOKING.
S23 DO NOT BREATHE VAPOUR/SPRAY
S33 TAKE PRECAUTIONARY MEASURES AGAINST STATIC DISCHARGES.

S36/37 WEAR SUITABLE PROTECTIVE CLOTHING AND GLOVES.
S51 USE ONLY IN WELL-VENTILATED AREAS.

Contains:
XYLENE (ISOMERS MIXTURE)

2.3. Other hazards

Information not available

3. Composition/information on ingredients

Substances presenting a health and/or environment hazard, within the meaning of Directive 67/548/EEC and Regulation (EC) 1272/2008 and relative amendments and additions, or substances for which there are Community Occupational Exposure Limits (Directive 2000/39/EC and relative amendments and additions).

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

Identification	Conc. %	Classification 67/548/EEC	Classification 1272/2008 (CLP)
ETHYL BENZENE			
CAS 100-41-4	0 - 10	Xn R20, F R11	Flam. Liq. 2 H225, Acute Tox. 4 H332
EC 202-849-4			
INDEX 601-023-00-4			
Reg. no. 01-2119486136-34			
2-METHOXY-1-METHYLETHYL ACETATE			
CAS 108-65-6	0 - 10	Xi R36, R10	Flam. Liq. 3 H226, Eye Irrit. 2 H319
EC 203-603-9			
INDEX 607-195-00-7			
Reg. no. 01-2119475791-29			
TOLUENE			
CAS 108-88-3	0 - 5	Xn R48/20, Xn R63, Xn R65, Xi R38, R67, F R11, Repr.Cat. 3	Flam. Liq. 2 H225, Asp. Tox. 1 H304, Skin Irrit. 2 H315, STOT SE 3 H336, Repr. 2 H361d, STOT RE 2 H373
EC 203-625-9			
INDEX 601-021-00-3			
Reg. no. 01-2119471310-51			
PROPAN-2-OL			
CAS 67-63-0	0 - 10	Xi R36, R67, F R11	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC 200-661-7			
INDEX 603-117-00-0			
ETHYL ACETATE			
CAS 141-78-6	0 - 10	Xi R36, R66, R67, F R11	EUH066, Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336
EC 205-500-4			
INDEX 607-022-00-5			
XYLENE (ISOMERS MIXTURE)			
CAS 1330-20-7	20 - 70	Xn R20/21, Xi R38, R10, Nota C	Flam. Liq. 3 H226, Acute Tox. 4 H312, Skin Irrit. 2 H315, Acute Tox. 4 H332
EC 215-535-7			
INDEX 601-022-00-9			
Reg. no. 01-2119488216-32			

Xn= HARMFUL, F= HIGHLY FLAMMABLE, Xi= IRRITANT

The full wording of the Risk (R) and hazard (H) phrases is given in section 16 of the sheet

4. First aid measures

4.1. Description of first aid measures

GENERAL

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

INHALATION

Remove to fresh air, keep the casualty warm and at rest.
Suck or swab out excess secretions.
If breathing is irregular or stopped, administer artificial respiration and seek medical attention.
Give nothing by mouth.
If unconscious, place in the recovery position and seek medical attention.

SKIN CONTACT

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

EYE CONTACT

Contact lenses should be removed.
Irrigate copiously with clean, fresh water for at least 15 minutes, holding the eyelids apart, and seek medical advice.

INGESTION

If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

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

There is no data available on the product itself.
Following data are based on the toxicological behaviour of the components.

Exposure to organic solvent vapours, in concentrations higher than the Occupational Exposure Limits, may result in adverse health effects, such as irritation of the mucous membrane and the respiratory system, and adverse effects on the renal and central nervous systems.

Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, loss of consciousness.

Repeated or prolonged contact with the product may lead to removal of natural fats from the skin, resulting in contact dermatitis, absorption through the skin and adverse health effects.

Splashes in the eyes may cause irritation and reversible local damage.

4.3. Indication of any immediate medical attention and special treatment needed

See section 4.1.

5. Firefighting measures

5.1. Extinguishing media

Recommended: alcohol resistant foam, CO₂, powder, water spray/mist.
Not to be used: water jet.

5.2. Special hazards arising from the substance or mixture

None in particular.

5.3. Advice for firefighters

Fire will produce dense black smoke containing hazardous products of combustion (see section 10).
Decomposition products may be a hazard to health.
Appropriate self-contained breathing apparatus may be required.
Cool closed containers exposed to fire with water spray; if it is possible take them away.

Do not allow run-off from fire fighting to enter drains or water courses.

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition and ventilate the area.
Exclude non-essential personnel.
Avoid breathing vapours.

6.2. Environmental precautions

Do not allow to enter drains or water courses.
If the product enters drains or sewers the Local Water Company should be contacted immediately; in the case of contamination of streams, rivers or lakes, the National Rivers Authority.

6.3. Methods and material for containment and cleaning up

Contain and collect spillages with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in a suitable container for disposal in accordance with the waste regulations.

Clean preferably with a detergent; avoid the use of solvents.

6.4. Reference to other sections

Refer to protective measures listed in sections 7 and 8.
For the waste regulations see section 13.

7. Handling and storage

7.1. Precautions for safe handling

Vapours are heavier than air and may spread along floors. They may form explosive mixtures with air. Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentrations higher than the occupational exposure limits.

Additionally, the product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard.

The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be electrically conductive.

Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Non-sparking tools should be used.

Avoid skin and eye contact. Avoid inhalation of vapour/spray mist and dust, when dry.

Smoking, eating and drinking should be prohibited in areas of storage and use.

For personal protection, see section 8.

Never use pressure to empty: the container is not a pressure vessel.

Always keep in containers made of the same material as the supply container.

Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.

Appropriate National, Federal, Provincial and Local current Regulations may apply to the handling of containers of this product.

Refer to the guide weight indicated on the package when carrying out assessments.

7.2. Conditions for safe storage, including any incompatibilities

The storage and use of this product is subject to the requirements of the Highly Flammable Liquids and Liquefied Petroleum Gases Regulation. Up to 50 litres of such highly flammable liquids may be kept in a work room provided they are kept in a fireproof cupboard or bin. Larger quantities must be kept in a separate storeroom conforming to the structural requirements of the regulations. Further guidance is contained in the HSE guidance note Storage of Flammable Liquids in Containers.

Observe the label precautions.

Store in a dry, well ventilated place, away from sources of heat, ignition and direct sunlight.

Store separately from oxidising agents, strongly alkaline and strongly acid substances.

No smoking.

Prevent unauthorized access.

Containers which are opened should be properly resealed and kept upright to prevent leakage.

The principles, contained in the National, Federal, Provincial, Local current guidance on the storage of packaged dangerous substances, should be observed when storing this product.

7.3. Specific end use(s)
None in particular.

8. Exposure controls/personal protection

8.1. Control parameters

Product name	Type	Country	TWA/8h		STEL/15min	
			mg/m3	ppm	mg/m3	ppm
ETHYL BENZENE	OEL	EU		100		200
2-METHOXY-1-METHYLETHYL ACETATE	OEL	EU		50		100 Skin
TOLUENE	OEL	EU		50		100 Skin
PROPAN-2-OL	TLV (ACGIH06)			200		400
	MEL	UK		400		500
ETHYL ACETATE	TLV (ACGIH06)			400		
	MEL	UK		200		400
XYLENE (ISOMERS MIXTURE)	OEL	EU		50		100 Skin
NORMAL-BUTYL ACETATE	TLV (ACGIH06)			150		200
	MEL	UK		150		200
ISOBUTYL ACETATE	TLV (ACGIH06)			150		
	MEL	UK		150		187
AMORPHOUS SILICA	TLV ACGIH06		3			
	TLV (ACGIH06)		10			
	MEL	UK	6			
	MEL-	UK	2,4			

8.2. Exposure controls

8.2.1 Appropriate engineering controls

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Provide adequate ventilation.

This should be achieved by the use of local exhaust ventilation and good general extraction.

If these are not sufficient to maintain concentrations of particulates and/ or solvent vapours below the relevant occupational exposure limits, suitable respiratory protective equipment should be worn.

8.2.2 Personal protection

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(a) Eye protection

Eye protection designed to protect against liquid splashes should be worn (EN 166).

(b) Skin protection

i) Hand protection

When skin exposure may occur, advice should be sought from glove suppliers on appropriate types.

Safety gloves should be in every case tested for the specific use (EN 374). Follow supplier's information on use, storage, care and change of gloves.

Barrier creams may help to protect exposed areas of the skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

ii) Body protection

Operators must wear anti-static footwear and clothing in natural/synthetic high temperature-resistant fibre (EN 465).

Cotton or cotton/synthetic overalls or coveralls are normally suitable.

Grossly contaminated clothing should be removed and the skin washed with soap and water or a proprietary skin cleaner (see section 4)

(c) Respiratory protection

Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the occupational exposure limits and engineering controls and methods cannot reasonably be improved (EN 141).

8.2.3 Environmental exposure controls

When enforceable, refer to current regulations (see section 16).
The product should not be allowed to enter drains or water courses.

Regarding the exposure to hazardous substances consult the National, Federal, Provincial and Local current Regulations for proper measures.

9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance	liquid
Colour	characteristic
Odour	like solvent
Odour threshold	N.D.
pH	Not available
Melting or freezing point	Not available
Boiling point	Not available
Distillation range	Not available
Flash point	18 °C
Evaporation Rate	Not available
Flammability of solids and gases	Not available
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	1,0 % (v/v) 20 °C
Upper explosive limit	15,0 % (v/v) 20 °C
Vapour pressure	> CH3-CO-0-(CH2)3-CH3
Vapour density	> 1
Specific gravity	0,968 Kg/l +/- 0,03
Solubility	in common organic solvents: miscible - in water: partially miscible
Partition coefficient: n-octanol/water	Not available
Ignition temperature	> 300 °C
Decomposition temperature	Not available
Viscosity	28-34 s (ISO 4)
Reactive Properties	Not available

9.2. Other information

Solid content:	34,05%		
VOC (Directive 1999/13/EC) :	65,86%	-	637,52 g/litre
VOC (volatile carbon) :	48,18%	-	466,38 g/litre

10. Stability and reactivity

10.1. Reactivity

No.

10.2. Chemical stability

Stable under the recommended storage and handling conditions (see section 7)

10.3. Possibility of hazardous reactions

In a fire, hazardous decomposition products may be produced.

10.4. Conditions to avoid

High temperatures.

10.5. Incompatible materials

Keep away from oxidising agents, strongly alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.

10.6. Hazardous decomposition products

Smoke, carbon monoxide, carbon dioxide and oxides of nitrogen.

11. Toxicological information

There is no data available on the product itself.

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and relative amendments and additions and has been classified for toxicological risk accordingly (see section 2, 3 and 15).

11.1. Information on toxicological effects

For dangerous effects see sections 2 and 4.

12. Ecological information

The product has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and relative amendments and additions and is not classified as dangerous for the environment.

To be used in accordance with the good working practice. The product should not be allowed to enter drains or water courses or be deposited where it can affect ground or surface waters.

Appropriate National, Federal, Provincial and Local current Regulations may apply to the use of this product.

12.1. Toxicity

There is no data available on the product itself (also see sections 2, 3, 6, 7, 13, 14, 15 and 16).

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

12.2. Persistence and degradability

N.A.

12.3. Bioaccumulative potential

N.A.

12.4. Mobility in soil

N.A.

12.5. Results of PBT and vPvB assessment

On the basis of available information, product components do not meet the criteria vPvB and PBT.

12.6. Other adverse effects

N.A.

13. Disposal considerations

13.1. Waste treatment methods

If possible, recover.

Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with the National, Federal, Provincial and Local current Regulations.

Waste transportation may be subject to ADR restrictions.

14. Transport information

These goods must be transported by vehicles authorized to the carriage of dangerous goods according to the provisions set out in the current edition of the Code of International Carriage of Dangerous Goods by Road (ADR) and in all the applicable national regulations.

These goods must be packed in their original packagings or in packagings made of materials resistant to their content and not reacting dangerously with it. People loading and unloading dangerous goods must be trained on all the risks deriving from these substances and on all actions that must be taken in case of emergency situations.

Road and rail transport:

ADR/RID Class: 3 UN: 1263
Packing Group: III
Label: 3
Nr. Kemler:
Special Provision: 640H
Proper Shipping Name: PAINT



Carriage by sea (shipping):

IMO Class: 3 UN: 1263
Packing Group: III
Label: 3
EMS: F-E; S-E
Marine Pollutant: NO
Proper Shipping Name: PAINT



Transport by air:

IATA: 3 UN: 1263
Packing Group: III
Label: 3
Cargo:
Packaging instructions: Maximum quantity:
Pass.:
Packaging instructions: Maximum quantity:
Proper Shipping Name: PAINT



15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso category 7b

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Contained substance

Point 48 TOLUENE

Substances in Candidate List (Art. 59 REACH)

None

Substances subject to authorisation (Annex XIV REACH)

Information not available

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains

16. Other information

Key for the CLP classifications mentioned in sections 2 and 3 of the sheet:

Flam. Liq. 2 Flammable liquid, category 2
Flam. Liq. 3 Flammable liquid, category 3
Repr. 2 Reproductive toxicity, category 2
Acute Tox. 4 Acute toxicity, category 4
Asp. Tox. 1 Aspiration hazard, category 1
STOT RE 2 Specific target organ toxicity - repeated exposure, category 2
Eye Irrit. 2 Eye irritation, category 2
STOT SE 3 Specific target organ toxicity - single exposure, category 3
Skin Irrit. 2 Skin irritation, category 2
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H361d Suspected of damaging the unborn child.

H332	Harmful if inhaled.
H312	Harmful in contact with skin.
H304	May be fatal if swallowed and enters airways.
H373	May cause damage to organs through prolonged or repeated exposure through inhalation
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

Text of risk (R) phrases mentioned in section 2-3 of the sheet:

R10	FLAMMABLE.
R11	HIGHLY FLAMMABLE.
R20	HARMFUL BY INHALATION.
R20/21	HARMFUL BY INHALATION AND IN CONTACT WITH SKIN.
R36	IRRITATING TO EYES.
R38	IRRITATING TO SKIN.
R48/20	HARMFUL: DANGER OF SERIOUS DAMAGE TO HEALTH BY PROLONGED EXPOSURE THROUGH INHALATION.
R63	POSSIBLE RISK OF HARM TO THE UNBORN CHILD.
R65	HARMFUL: MAY CAUSE LUNG DAMAGE IF SWALLOWED.
R66	REPEATED EXPOSURE MAY CAUSE SKIN DRYNESS OR CRACKING.
R67	VAPOURS MAY CAUSE DROWSINESS AND DIZZINESS.

BIBLIOGRAPHY

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Directives 1999/45/EC and 67/548/EEC and relative amendments and additions.

Directive 2000/39/EC and relative amendments and additions.

Directive 1999/13/EC and relative amendments and additions.

Directive 1996/82/EC and relative amendments and additions.

Directive 2000/60/EC and relative amendments and additions.

Directives 91/156/EEC, 91/689/EEC and 94/62/EC and relative amendments and additions.

Directive 89/391/EEC and relative amendments and additions.

The informations contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation.

Appropriate National, Federal, Provincial and Local current Regulations may apply to the use of this product at work.

American Conference of Governmental Industrial Hygienists - Threshold Limit Values for Chemical Substances and Physical Agents and Biological Exposure Indices - 2005

N. Irving Sax, Richard J. Lewis, Sr. - Dangerous properties of Industrial Materials - Seventh Edition

European Agreement concernig the international carriage of dangerous goods by road (ADR) and protocol of signature - United Nations 2011

International Maritime Dangerous Goods Code - International Maritime Organization - London 2010

Dangerous Goods Regulation - International Air Trasport Association - 52nd Edition - 2011

The information contained in this safety data sheet is provided in accordance with the requirements of the Directives 1999/45/EC, 67/548/EEC, Regulation (EC) n. 1907/2006, Regulation (EC) n. 1272/2008 and relative amendments and additions.

The product should not be used for purposes other than those shown in section 1 without first referring to the supplier and obtaining written handling instructions.

As the specific conditions of use of the product are out side the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.

The information contained in this safety data sheet is based on the present state of knowledge and current legislation.

It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of performance or suitability for particular applications.

For further informations and relevant advice consult the National, Federal, Provincial and Local current Regulations.

This safety data sheet cancels and replaces any previous one.

Changes to previous review:

The following sections were modified:

02/03/08/09/11/12/13/14/15