

SAFETY DATA SHEET

Prepared in accordance with Regulation (EC) No 1907/2006, Annex II.

TH0222/00
01 00

DATE OF PREPARATION
Mar 9, 2011

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

IDENTIFICATION OF THE PREPARATION

TH0222/00
PU HARDENER, FIRE RETARDANT

USE OF THE PREPARATION

Paint

COMPANY IDENTIFICATION

SAYERLACK S.r.l. - Con Unico Socio
Via del Fiffo, 12 - 40065 Pianoro (BO) - Italia - C.P. 18
Cod. Fisc. e Reg. Impr. Bo 08866930152 - P. IVA: IT 00494251200
R.E.A. n. 313180 - Cap. Soc. Euro 2.626.182 I.V. - Codice Mecc. Bo 014531
Società soggetta a direzione e coordinamento di The Sherwin-Williams Company, USA

EMERGENCY TELEPHONE

Product Information	+39 051 770511 www.sayerlack.it
Regulatory Information	pianoroproductsafety@sherwin.com
Medical Emergency	

2. HAZARDS IDENTIFICATION

CLASSIFICATION

F, Xn, R11, R20, R36, R42/43, R66
Highly flammable
Harmful
Highly flammable.
Harmful by inhalation.
Irritating to eyes.
May cause sensitisation by inhalation and skin contact.
Repeated exposure may cause skin dryness or cracking.

3. COMPOSITION/INFORMATION ON INGREDIENTS

% by Weight	CAS Number	EC Number	EC CLASSIFICATION (67/548/EC)
25 - 50	141-78-6 Ethyl Acetate	205-500-4	F;R11 Xi;R36 R66 R67
25 - 50	123-86-4 n-Butyl Acetate	204-658-1	R10 R66 R67
10 - 25	9017-01-0 Toluene Diisocyanate Polymer		Xn;R42 R43
2,5 - 10	28182-81-2 Hexamethylene Diisocyanate Polymer	500-060-2	R42/43
0,1 - 1	584-84-9 Toluene-2,4-diisocyanate (max.)	584-84-9	T+;R26 Xi;R36/37/38 Carc.Cat.3;R40 R42/43 R52 R53

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

4. FIRST-AID MEASURES

EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.

SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.

INHALATION: If any breathing problems occur during use, **LEAVE THE AREA** and get fresh air. If problems remain or occur later, **IMMEDIATELY** get medical attention.

INGESTION: Do not induce vomiting. Get medical attention immediately.

5. FIRE-FIGHTING MEASURES

FLAMMABILITY CLASSIFICATION

RED LABEL -- Flammable, Flash below 38 °C (100 °F)

SUITABLE EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

SPECIAL FIRE AND EXPLOSION HAZARDS

Closed containers may explode when exposed to extreme heat.

Application to hot surfaces requires special precautions.

During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used.

Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Remove all sources of ignition. Ventilate the area.

All personnel in the area should be protected as in Section 8.

Follow protective measures listed in Sections 7 and 8.

ENVIRONMENTAL PRECAUTIONS

Do not allow product to enter drains or waterways.

If the product enters drains or sewers, notify the local water authorities; in the case of contamination of streams, rivers or lakes contact the environmental authorities.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Cover spill with absorbent material. Deactivate spilled material with a 10% ammonium hydroxide solution (household ammonia). After 10 minutes, collect in open containers and add more ammonia. Cover loosely. Wash spill area with soap and water.

7. HANDLING AND STORAGE

HANDLING

Contents are **FLAMMABLE**. Keep away from heat, sparks, and open flame.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Use approved Bonding and Grounding procedures.

STORAGE

Keep container closed when not in use. Transfer only to approved containers with complete and appropriate labeling. Do not take internally.

Keep out of the reach of children.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PRECAUTIONS TO BE TAKEN IN USE

NO PERSON SHOULD USE THIS PRODUCT, OR BE IN THE AREA WHERE IT IS BEING USED, IF THEY HAVE CHRONIC (LONG-TERM) LUNG OR BREATHING PROBLEMS OR IF THEY EVER HAD A REACTION TO ISOCYANATES.

Use only with adequate ventilation.

Avoid contact with skin and eyes. Avoid breathing vapor and spray mist.

Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed "as Dust" in Section 3) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section 3, the applicable limits for nuisance dusts are ACGIH TLV 10 mg/m³ (total dust), 3 mg/m³ (respirable fraction).

EXPOSURE LIMITS

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
141-78-6	Ethyl Acetate	ES		400	1460	
		FR		400	1400	
		GB	400		200	
		PL		600		200
		PT			400	

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
123-86-4	n-Butyl Acetate	ES	200	965	150	724
		FR	200	940	150	710
		GB	200	966	150	724
		PL		950		200
		PT	200		150	

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
584-84-9	Toluene-2,4-diisocyanate (max.)	ES	.02	.14	.005	.036
		PL		.07		.035
		PT	.02		.005	

OCCUPATIONAL EXPOSURE CONTROLS

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section 3 is maintained below applicable exposure limits.

RESPIRATORY PROTECTION

Where overspray is present, a positive pressure air supplied respirator (TC19C NIOSH/MSHA approved) should be worn. If unavailable, a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section 3 may be effective. Follow respirator manufacturers directions for use. Wear the respirator for the whole time of spraying and until all vapors and mists are gone. **NO PERSONS SHOULD BE ALLOWED IN THE AREA WHERE THIS PRODUCT IS BEING USED UNLESS EQUIPPED WITH THE SAME RESPIRATOR PROTECTION RECOMMENDED FOR THE PAINTERS.**

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for dust which may be generated from this product, underlying paint, or the abrasive.

HAND PROTECTION

To prevent skin contact, wear gloves which are recommended by glove supplier for protection against materials in Section 3.

EYE PROTECTION

Wear safety spectacles with unperforated sideshields.

OTHER PROTECTIVE EQUIPMENT

Use barrier cream on exposed skin.

OTHER PRECAUTIONS

This product must be mixed with other components before use. Before opening the packages, READ AND FOLLOW WARNING LABELS ON ALL COMPONENTS.

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

9. PHYSICAL AND CHEMICAL PROPERTIES**APPEARANCE**

Liquid

ODOR

Paint

PRODUCT WEIGHT	962 g/l	8.03 lb/gal
SPECIFIC GRAVITY	0.97	
FLASH POINT	-5 °C	23 °F
LOWER EXPLOSION LIMIT (LEL)	1.4 %	
UPPER EXPLOSION LIMIT (UEL)	10.7 %	
BOILING POINT	72 - 128 °C	163 - 264 °F
MELTING POINT	Not Available	
VOLATILE VOLUME	81%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	N.A.	

10. STABILITY AND REACTIVITY**STABILITY**

Stable

CONDITIONS TO AVOID

None known.

MATERIALS TO AVOID

Contamination with Water, Alcohols, Amines and other compounds which react with isocyanates, may result in dangerous pressure in, and possible bursting of, closed containers.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION

Will not occur

11. TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Toluene Diisocyanate (TDI), listed by NTP, has been shown to cause cancer in laboratory animals when administered directly into the stomach. No evidence of cancer from exposure to TDI by inhalation has been reported.

12. ECOLOGICAL INFORMATION

ECOTOXICITY EFFECTS

Not Available

MOBILITY

Not Available

BIOACCUMULATIVE POTENTIAL

Not Available

PERSISTANCE/DEGRADABILITY

Not Available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Incinerate in approved facility. Do not incinerate closed container. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

14. TRANSPORT INFORMATION

IMO

1 Gallon (3.78 Liters) and Less may be Shipped as Limited Quantity.
UN1263, PAINT RELATED MATERIAL, CLASS 3, PG II, (-5 C c.c.), EmS
F-E, S-E, ADR (D/E)

IATA/ICAO

UN1263, PAINT RELATED MATERIAL, 3, PG II

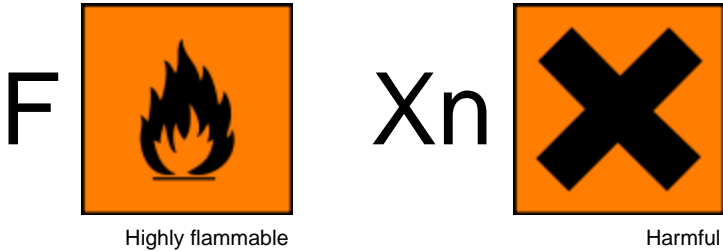
ADR

UN1263, PAINT RELATED MATERIAL, 3, PG II, ADR (D/E)
Classification Code=F1, TransportCategory=2, Tunnel Code=D/E

15. REGULATORY INFORMATION

LABELING

HAZARD SYMBOL



R – PHRASES

- R11 Highly flammable.
- R20 Harmful by inhalation.
- R36 Irritating to eyes.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R66 Repeated exposure may cause skin dryness or cracking.

S – PHRASES

- S2 Keep out of the reach of children.
- S23 Do not breathe vapour.
- S24/25 Avoid contact with skin and eyes.
- S37 Wear suitable gloves.
- S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
- S63 In case of accident by inhalation: remove casualty to fresh air and keep at rest.

Contains isocyanates.

See information supplied by the manufacturer.

Total volatile organic compounds (VOC): 76.62 %

Total volatile organic carbon: 44.76 %

For Italian Customers only – Classes of solvents according to Italian Legislative Decree 152/06 (Table D, Part II, Annex I)

Classification	%
4	39.6
5	37.0
1	0.2

16. OTHER INFORMATION

FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3. (67/548/EC)

- R10 Flammable.
- R11 Highly flammable.
- R26 Very toxic by inhalation.
- R36 Irritating to eyes.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R40 Limited evidence of a carcinogenic effect.
- R42 May cause sensitisation by inhalation.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R43 May cause sensitisation by skin contact.
- R52 Harmful to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.
- R66 Repeated exposure may cause skin dryness or cracking.
- R67 Vapours may cause drowsiness and dizziness.

This Safety Data Sheet is prepared in accordance with Regulation (EC) No 1907/2006, Annex II.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.