

SAFETY DATA SHEET

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

AH0111/00
01 00

DATE OF PREPARATION
Jan 12, 2013

1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1. PRODUCT IDENTIFIER

AH0111/00
HARDENER FOR WATERBORNE LACQUER

1.2. RELEVANT IDENTIFIED USES OF THE SUBSTANCE OR MIXTURE AND USES ADVISED AGAINST

Paint

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

SHERWIN-WILLIAMS Italy S.r.l.
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	+39 051 770511 (24h)

2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

Xn, R10, R42/43
Harmful

Flammable.
May cause sensitisation by inhalation and skin contact.

2.2. LABEL ELEMENTS

Xn



Harmful

R – PHRASES

R10 Flammable.
R42/43 May cause sensitisation by inhalation and skin contact.

S – PHRASES

S1/2 Keep locked up and out of the reach of children.
S23 Do not breathe vapour.
S24/25 Avoid contact with skin and eyes.
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S28 After contact with skin, wash immediately with plenty of water.
S36/37 Wear suitable protective clothing and gloves.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

2.3. OTHER HAZARDS

Not Available

3. COMPOSITION/INFORMATION ON INGREDIENTS**3.1. SUBSTANCES**

Not Available

3.2. MIXTURES

% by Weight	CAS Number	EC Number	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
2,5 - 10	1330-20-7 Xylene	215-535-7	R10 Xn;R20/21 Xi;R38 Acute Tox. 4 H312, Acute Tox. 4 H332, Flam. Liq. 3 H226, Skin Irrit. 2 H315
25 - 50	108-65-6 1-Methoxy-2-Propanol Acetate	203-603-9	R10 Flam. Liq. 3 H226
10 - 25	28182-81-2 Hexamethylene Diisocyanate Polymer	500-060-2	Xn;R42/43
25 - 50	Proprietary Isophorone Diisocyanate Polymer		Xi;R43
0,1 - 1	4098-71-9 Isophorone Diisocyanate (max.)	223-861-6	T;R23 Xi;R36/37/38 Xn;R42/43 N;R51 R53 Acute Tox. 3 H331, Aquatic Chronic 2 H411, Eye Irrit. 2 H319, Resp. Sens. 1 H334, STOT SE 3 H335, Skin Irrit. 2 H315, Skin Sens. 1 H317

For the full text of the H-Statements and R-phrases mentioned in this section, see Section 16.

CANCER INFORMATION

For complete discussion of toxicology data refer to Section 11.

4. FIRST-AID MEASURES**4.1. DESCRIPTION OF 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 laundry 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.

4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

Not Available

4.3. INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Not Available

5. FIRE-FIGHTING MEASURES**5.1. EXTINGUISHING MEDIA**

Carbon Dioxide, Dry Chemical, Foam

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

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.

5.3. ADVICE FOR FIREFIGHTERS

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**6.1 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.

6.2. 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.

6.3. METHODS AND MATERIAL 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

7.1. PRECAUTIONS FOR SAFE HANDLING

Contents are COMBUSTIBLE. Keep away from heat and open flame. Use approved Bonding and Grounding procedures.

7.2. CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

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.

7.3. SPECIFIC END USE(S)

Not Available

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
1330-20-7	Xylene	GB 100	441	50	220	Possibility of significant uptake through the skin
108-65-6	1-Methoxy-2-Propanol Acetate	GB 100	548	50	274	Possibility of significant uptake through the skin

8.2. EXPOSURE CONTROLS

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.

8.2.1. APPROPRIATE ENGINEERING CONTROLS

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

8.2.2. INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

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).

A) EYE/FACE PROTECTION

Wear safety spectacles with unperforated sideshields.

B) SKIN PROTECTION

I) HAND PROTECTION

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

II) OTHER

Use barrier cream on exposed skin.

C) 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.

D) THERMAL HAZARDS

Not Available

8.2.3. ENVIRONMENTAL EXPOSURE CONTROLS

Not Available

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	
ODOR	Paint	
PRODUCT WEIGHT	1062 g/l	8.87 lb/gal
SPECIFIC GRAVITY	1.07	
FLASH POINT	40 °C	104 °F
LOWER EXPLOSION LIMIT (LEL)	1%	
UPPER EXPLOSION LIMIT (UEL)	13.1%	
BOILING POINT	138 - 150 °C	281 - 302 °F
MELTING POINT	Not Available	
VOLATILE VOLUME	41%	
EVAPORATION RATE	Slower than ether	
VAPOR DENSITY	Heavier than air	
SOLUBILITY IN WATER	Not Available	

9.2. OTHER INFORMATION

Not Available

10. STABILITY AND REACTIVITY

10.1. REACTIVITY

None known.

10.2. CHEMICAL STABILITY

Stable

10.3. POSSIBILITY OF HAZARDOUS REACTIONS

None known.

10.4. CONDITIONS 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.

10.5. INCOMPATIBLE MATERIALS

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

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide, Oxides of Nitrogen, possibility of Hydrogen Cyanide

11. TOXICOLOGICAL INFORMATION

CHRONIC HEALTH HAZARDS

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage. Ethylbenzene is classified by IARC as possibly carcinogenic to humans (2B) based on inadequate evidence in humans and sufficient evidence in laboratory animals. Lifetime inhalation exposure of rats and mice to high ethylbenzene concentrations resulted in increases in certain types of cancer, including kidney tumors in rats and lung and liver tumors in mice. These effects were not observed in animals exposed to lower concentrations. There is no evidence that ethylbenzene causes cancer in humans.

12. ECOLOGICAL INFORMATION

12.1. TOXICITY

Not Available

12.2. PERSISTENCE AND DEGRADABILITY

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. RESULTS OF PBT AND VPOB ASSESSMENT

Not Available

12.6. OTHER ADVERSE EFFECTS

Not Available

13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD

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

Multi-modal shipping descriptions are provided for informational purposes and do not consider container sizes. The presence of a shipping description for a particular mode of transport (ocean, air, etc.), does not indicate that the product is packaged suitably for that mode of transport. All packaging must be reviewed for suitability prior to shipment, and compliance with the applicable regulations is the sole responsibility of the person offering the product for transport.

IMO

5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.
UN1263, PAINT RELATED MATERIAL, CLASS 3, PG III, (40 C c.c.), EmS
F-E, S-E, ADR (D/E)

IATA/ICAO

UN1263, PAINT RELATED MATERIAL, 3, PG III

ADR/RID

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

15. REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATION SPECIFIC FOR THE SUBSTANCE OR MIXTURE

Contains isocyanates.

See information supplied by the manufacturer.

Total volatile organic compounds (VOC): 37.06 %

Total volatile organic carbon: 22.28 %

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

Classification	%
4	4.8
3	0.8

15.2. CHEMICAL SAFETY ASSESSMENT

Not Available

16. OTHER INFORMATION

FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

(67/548/EC, 1272/2008/EC)

- R10 Flammable.
- R20/21 Harmful by inhalation and in contact with skin.
- R23 Toxic by inhalation.
- R36/37/38 Irritating to eyes, respiratory system and skin.
- R38 Irritating to skin.
- R42/43 May cause sensitisation by inhalation and skin contact.
- R43 May cause sensitisation by skin contact.
- R51 Toxic to aquatic organisms.
- R53 May cause long-term adverse effects in the aquatic environment.

- H226 Flammable liquid and vapour.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H332 Harmful if inhaled.
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H335 May cause respiratory irritation.
- H411 Toxic to aquatic life with long lasting effects.

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

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.