

SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

HPC15
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SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

1.1. PRODUCT IDENTIFIER

HPC15
HP Process™ Clearcoat (Part A)

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

Paint or Paint-related Material
Industrial Use

1.3. DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

SHERWIN-WILLIAMS UK AUTOMOTIVE LTD.
Thorncliffe Park
Chapeltown-Sheffield
S35 2YP, United Kingdom
e-mail address of competent person responsible for the SDS:

1.4. EMERGENCY TELEPHONE NUMBER

SECTION 2. HAZARDS IDENTIFICATION

2.1. CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

F, Xi, R11, R36, R52/53, R66, R67
Highly flammable
Irritant

Highly flammable.
Irritating to eyes.
Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Repeated exposure may cause skin dryness or cracking.
Vapours may cause drowsiness and dizziness.

2.2. LABEL ELEMENTS



Highly flammable



Irritant

R – PHRASES

R11	Highly flammable.
R36	Irritating to eyes.
R52/53	Harmful to aquatic organisms, 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.

S – PHRASES

S16	Keep away from sources of ignition - No smoking.
S2	Keep out of the reach of children.
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.
S61	Avoid release to the environment. Refer to special instructions/safety data sheets.
S9	Keep container in a well-ventilated place.

Hazardous Ingredients

None

Supplemental Label Elements

None

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles

None

2.3. OTHER HAZARDS

Not Available

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

Not Available

3.2. MIXTURES

% by Weight	CAS Number	EC Number	REACH	EC CLASSIFICATION (67/548/EC, 1272/2008/EC)
>=10 - <25	67-64-1 Acetone	200-662-2	01-2119471330-49	F;R11 Xi;R36 R66 R67 Eye Irrit. 2 H319, Flam. Liq. 2 H225, STOT SE 3 H336
>=2,5 - <10	110-43-0 Methyl n-Amyl Ketone	203-767-1	01-2119902391-49	R10 Xn;R20/22 Acute Tox. Oral 4 H302, Acute Tox. Inhal 4 H332, Flam. Liq. 3 H226
>=10 - <25	123-86-4 n-Butyl Acetate	204-658-1	01-2119485493-29	R10 R66 R67 Flam. Liq. 3 H226, STOT SE 3 H336
>=0,1 - <1	82919-37-7 Pentamethyliperidyl Sebacate			N;R50 R53 Xi;R43
>=0,1 - <1	41556-26-7 Pentamethyliperidyl Sebacate			N;R50 R53 Xi;R43
>=0,1 - <1	Proprietary UV Absorber			Xn;R48/22 R53

Substance meets the criteria for PBT-VPVB according to Regulation (EC) No. 1907/2006, Annex XIII

None

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

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

Never give anything by mouth to an unconscious person.

If unconscious place in recovery position and seek medical advice.

EYES: Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.**SKIN:** Remove contaminated clothing.
Wash skin thoroughly with soap and water or use recognised skin cleanser.
Do NOT use solvents or thinners.
Launder clothes before reuse.**INHALATION:** Remove to fresh air, keep patient warm and at rest.
If breathing is irregular or stopped, administer artificial respiration. Obtain medical attention.**INGESTION:** If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.
Keep at rest.
Do NOT induce vomiting.**4.2. MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

In all cases of doubt, or when symptoms persist, seek medical attention.

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

Not Available

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

Carbon Dioxide, Dry Chemical, Foam

5.2. SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

Cool closed containers exposed to fire with water.

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

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. Cool closed containers exposed to fire with water.

SECTION 6. ACCIDENTAL RELEASE MEASURES**6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES**

Remove all sources of ignition. Ventilate the area.

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

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth.

6.4. REFERENCE TO OTHER SECTIONS

Refer to emergency contacts in Section 1. Refer to protective measures in Section 8. For the waste regulations see Section 13.

SECTION 7. HANDLING AND STORAGE**7.1. PRECAUTIONS FOR SAFE HANDLING**

Prevent the creation of flammable or explosive concentrations of vapour in air and avoid vapour concentration higher than the occupational exposure limits.

Use only with adequate ventilation.

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

Wash hands after using.

Keep out of the reach of children.

Do not take internally.

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.

Ground containers during transfer operations and use only suitable containers for flammable liquids.

- Strong vigorous stirring or flow of the liquid through piping and equipment may cause the formation and accumulation of electrostatic charges due to the low conductivity of the product.

- Open containers with caution because they may be under pressure.

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)

Paint or Paint-related Material

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**8.1. CONTROL PARAMETERS**

EH40/2005 WELs (UK 1/2012)

CAS Number	Ingredient	STEL		TWA		
		PPM	MG/M3	PPM	MG/M3	
67-64-1	Acetone	GB	1500	3620	500	1210
110-43-0	Methyl n-Amyl Ketone	GB	100	475	50	237
123-86-4	n-Butyl Acetate					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.

8.2.1. APPROPRIATE ENGINEERING CONTROLS

Provide adequate ventilation.

Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

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.

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.

Choose gloves in accordance with 89/656/EEC and tested to EN 374-3. For prolonged or repeated handling, multilayer laminated gloves provide maximum protection. Other gloves may provide acceptable protection if chosen in accordance with EN 374-3, the European Solvents Industry Group (ESIG) Best Practices Guide, and glove manufacturers recommendations.

II) OTHER

Use barrier cream on exposed skin.

C) RESPIRATORY PROTECTION

If this product contains ingredients with exposure limits, workplace and/or biological monitoring may be required to determine the necessity for and effectiveness of the ventilation equipment, personal protective equipment, and other control measures. Refer to European Standard EN 689 for methods for the assessment of exposure by inhalation to chemical agents and to national guidance documents for methods used for the determination of hazardous substance exposure.

Where overspray is present, an EN 270 positive pressure air supplied respirator tested in accordance with EN 14387 should be worn. If unavailable, a properly fitted half-mask EN 149 vapor/particulate respirator (A2-P2 filter) tested in accordance with EN 14387 for protection against materials in Section 2 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 EN 143 P2 dust/mist respirator tested in accordance with EN 14387 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

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE	Liquid	
ODOUR	Paint	
ODOUR THRESHOLD	Not tested due to nature of the product.	
pH	Not tested due to nature of the product.	
MELTING POINT	Not Available	
BOILING POINT	55 - 153 °C	132 - 308 °F
FLASH POINT	-2 °C	29 °F
EVAPORATION RATE	Slower than ether	
FLAMMABILITY	Not tested due to nature of the product.	
UPPER/LOWER FLAMMABILITY OR EXPLOSIVE LIMITS	12.8% / 1.1%	
VAPOUR PRESSURE	Not tested due to nature of the product.	
VAPOR DENSITY	Heavier than air	
RELATIVE DENSITY	0.93	
SOLUBILITY(IES)	Not tested due to nature of the product.	
PARTITION COEFFICIENT: N-OCTANOL/WATER	Not tested due to nature of the product.	
AUTO-IGNITION TEMPERATURE	Not tested due to nature of the product.	
DECOMPOSITION TEMPERATURE	Not tested due to nature of the product.	
VISCOSITY	Not tested due to nature of the product.	
EXPLOSIVE PROPERTIES	Not tested due to nature of the product.	
OXIDISING PROPERTIES	Not tested due to nature of the product.	
PRODUCT WEIGHT	928 g/l	7.75 lb/gal
VOLATILE VOLUME	67%	

9.2. OTHER INFORMATION

Not Available

SECTION 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

None known.

10.5. INCOMPATIBLE MATERIALS

Keep away from free radical initiators, peroxides, strong alkalis or reactive metals.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Toxicity

CAS Number	EC Number	Substance Name/Test Data
67-64-1	200-662-2	Acetone Inhalation LC50 Rat 50100 mg/m3 8 h
123-86-4	204-658-1	n-Butyl Acetate Dermal LD50 Rabbit >17600 mg/kg (Source: IUCLID); Inhalation LC50 Rat 390 ppm 4 h (Source: IUCLID)
41556-26-7		Pentamethyliperidyl Sebacate

Oral LD50 Rat 2615 mg/kg (Source: IUCLID)

Skin Corrosion/Irritation

Not Available

Serious Eye Damage/Irritation

Not Available

Respiratory/Skin Sensitization

Not Available

Germ Cell Mutagenicity

Not Available

Carcinogenicity

Not Available

Reproductive Toxicity

Not Available

Aspiration Hazard

Not Available

ROUTES OF EXPOSURE

INHALATION of vapor or spray mist.

EYE or SKIN contact with the product, vapor or spray mist.

EFFECTS OF OVEREXPOSURE**EYES:** Irritation.**SKIN:** None generally recognized.**INHALATION:** None generally recognized.

May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

Prolonged overexposure to hazardous ingredients in Section 3 may cause adverse chronic effects to the following organs or systems:

- the liver
- the urinary system
- the hematopoietic (blood-forming) system

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mists.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

May cause allergic respiratory and/or skin reaction in susceptible persons or sensitization. This effect may be delayed several hours after exposure.

Persons sensitive to isocyanates will experience increased allergic reaction on repeated exposure.

SECTION 12. ECOLOGICAL INFORMATION**12.1. TOXICITY**

CAS Number	EC Number	Substance Name/Test Data
67-64-1	200-662-2	Acetone 5 Days LC50 Phasianus colchicus: >40000 ppm [Diet]; 5 Days LC50 Coturnix coturnix japonica: >40000 ppm [Diet] 48 Hr LC50 Eisenia foetida: 200 - 1000 µg/cm2 [filter paper] 96 Hr LC50 Oncorhynchus mykiss: 4.74 - 6.33 mL/L; 96 Hr LC50 Pimephales promelas: 6210 - 8120 mg/L [static]; 96 Hr LC50 Lepomis macrochirus: 8300 mg/L 48 Hr EC50 Daphnia magna: 10294 - 17704 mg/L [Static]; 48 Hr EC50 Daphnia magna: 12600 - 12700 mg/L
123-86-4	204-658-1	n-Butyl Acetate 72 Hr EC50 Desmodesmus subspicatus: 674.7 mg/L 96 Hr LC50 Lepomis macrochirus: 100 mg/L [static]; 96 Hr LC50 Pimephales promelas: 17 - 19 mg/L [flow-through]
110-43-0	203-767-1	Methyl n-Amyl Ketone 96 Hr LC50 Pimephales promelas: 126 - 137 mg/L [flow-through]
41556-26-7		Pentamethyliperidyl Sebacate 96 Hr LC50 Lepomis macrochirus: 0.97 mg/L [static]

Not Available

12.3. BIOACCUMULATIVE POTENTIAL

Not Available

12.4. MOBILITY IN SOIL

Not Available

12.5. RESULTS OF PBT AND VPVB ASSESSMENT

Not Applicable

12.6. OTHER ADVERSE EFFECTS

Not Available

SECTION 13. DISPOSAL CONSIDERATIONS

13.1 Waste Treatment Methods

Methods of Disposal

Do not allow product to enter drains or waterways.

European Waste Catalogue (EWC)

08 01 11*: Waste paint and varnish containing organic solvents or other dangerous substances

This material and its container must be disposed of as hazardous waste. Dispose of as hazardous waste in compliance with local and national regulations.

Type of Packaging

15 01 04(metal)

15 01 02 (plastic)

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

Contaminated Packaging

15 01 10

Dispose of as unused product.

Do not burn, or use a cutting torch on, the empty drum.

Do not re-use empty containers.

Thermoset Plastic Waste

Ensure packaging is completely empty before recycling. Dispose of uncured residues in the same way as the product itself.

SECTION 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.

	ADR/RID	IMDG	IATA/ICAO
14.1 UN number	UN1263	UN1263	UN1263
14.2 UN proper shipping name	PAINT	PAINT	PAINT
14.3 Transport hazard class(es)	3	3	3
14.4 Packing group	II	II	II
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	<u>Classification Code</u> F1 <u>Transport Category</u> 2 <u>ADR Tunnel Code</u> D/E	<u>Emergency schedules (EmS)</u> F-E, S-E 5 Liters (1.3 Gallons) and Less may be Shipped as Limited Quantity.	Not Applicable
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable	Not Applicable	Not Applicable
14.8 Technical Names	Not Applicable	Not Applicable	Not Applicable

SECTION 15. REGULATORY INFORMATION

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

Total volatile organic compounds (VOC): 60.84 %

Total volatile organic carbon: 38.44 %

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

Classification	%
5	22.8
4	21.4

Annex XVII - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles
None

Annex XIV - List of substances subject to authorization, Substances of very high concern
None

15.2. CHEMICAL SAFETY ASSESSMENT

This product contains substances for which Chemical Safety Assessments are still required.

SECTION 16. OTHER INFORMATION

FULL TEXT OF R – PHRASES REFERENCED IN SECTION 3.

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

- R10** Flammable.
- R11** Highly flammable.
- R20/22** Harmful by inhalation and if swallowed.
- R36** Irritating to eyes.
- R43** May cause sensitisation by skin contact.
- R48/22** Harmful: danger of serious damage to health by prolonged exposure if swallowed.
- R50** Very toxic 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.

- H225** Highly flammable liquid and vapour.
- H226** Flammable liquid and vapour.
- H302** Harmful if swallowed.
- H319** Causes serious eye irritation.
- H332** Harmful if inhaled.
- H336** May cause drowsiness or dizziness.

16.1. CHANGES SINCE LAST REVISION

SECTION 1. IDENTIFICATION OF THE PREPARATION AND COMPANY

BIBLIOGRAPHY:

Directive 1999/45/EC, and relative amendments & additions
 Directive 67/548/EEC, and relative amendments & additions
 Directive 96/82/EC, and relative amendments & additions
 Directive 1999/45/EC, and relative amendments & additions
 Directive 91/156/EC, and relative amendments & additions
 Directive 2000/39/EC, and relative amendments & additives
 Regulation (EC) No. 1907/2006, and relative amendments & additions
 Regulation (EC) No. 1272/2008, and relative amendments & additions
 Regulation (EU) No. 453/2010, and relative amendments & additions
 CEPE Guide to Labelling and Packaging of Dangerous Preparations
 Dangerous Good Regulation (IATA)
 International Maritime Dangerous Goods Code (IMDG)
 International Carriage of Dangerous Goods by Road (ADR)
 EH40/2005 Workplace exposure limits
 Hazard Information and Packaging for Supply) Regulations 2009
 Conforms to Regulation (EC) No. 1907/2006 (REACH), Annex II, as amended by Regulation (EU) No. 453/2010

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.