

Safety Data Sheet S2025-US according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Date of issue: 08/11/2015 Revision date: 05/31/2016 Version: 3.0

DRIVING SURFACE PERFECTION

SECTION 1: Identification of the	substance/mixture and of t	he company/undertaking	
1.1. Product identifier			
Product form	: Mixtures		
Product name	: UP2253 4:1 HIGH BUILD F	PRIMER (S2025-US)	
Product group	: 2K Primer		
Other means of identification	: UP2253		
1.2. Relevant identified uses of the	substance or mixture and uses ac	lvised against	
1.3. Details of the supplier of the sa	fety data sheet		
Supplier U-POL US Inc 108 Commerce Way Stockertown PA 18083 - USA T 1-800-340-7824 - F 1-800-787-5150 technical.department@u-pol.com - www.u-p	<u>pol.com</u>		
1.4. Emergency telephone number			
Emergency number	: CHEMTREC - 1-800-424-9	300 (UK +44 (0) 1933 230310 (07:30 - 17:00	hrs UK time))
SECTION 2: Userarda idantificatio			
SECTION 2: Hazards identification 2.1. Classification of the substance			
	or mixture		
GHS-US classification Flam. Lig. 3 H226			
Skin Irrit. 2 H315 Carc. 2 H351 STOT RE 2 H373 Aquatic Chronic 2 H411			
Full text of H statements : see section 16			
2.2. Label elements			
GHS-US labeling			
Hazard pictograms (GHS-US)		\wedge	
Signal word (GHS-US) Hazard statements (GHS-US)	(Inhalation)	n ng cancer to organs (hearing organs) through prolonged	f or repeated exposure
Precautionary statements (GHS-US)	P261 - Avoid breathing fur P273 - Avoid release to the P280 - Wear face protectio P302+P352 - If on skin: Wa P501 - Dispose of contents	at, hot surfaces, open flames, sparks No sm le, spray, vapors environment n, protective clothing, protective gloves	,
2.3. Other hazards			
No additional information available			
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2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	GHS-US classification
xylene	(CAS-No.) 1330-20-7	5 - 23	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315
TITANIUM DIOXIDE	(CAS-No.) 13463-67-7	< 5	Carc. 2, H351
Solvent naphtha (petroleum), light arom.,		< 5	Flam. Liq. 3, H226 STOT SE 3, H336 STOT SE 3, H335 Asp. Tox. 1, H304 Aquatic Chronic 2, H411
ethylbenzene	(CAS-No.) 100-41-4	< 5	Flam. Liq. 2, H225 Acute Tox. 4 (Inhalation), H332 Carc. 2, H351 STOT RE 2, H373 Asp. Tox. 1, H304

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible). Suspected of causing cancer (Inhalation).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Get medical advice/attention. Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse immediately with plenty of water. Obtain medical attention if pain, blinking or redness persists. Rinse eyes with water as a precaution.
First-aid measures after ingestion	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and effect	ts, both acute and delayed
Symptoms/effects	: Causes damage to organs (hearing organs) (Inhalation).
Symptoms/effects after skin contact	: Causes skin irritation. Irritation. Repeated exposure may cause skin dryness or cracking.
4.3. Indication of any immediate medical	attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measures	
5.1. Extinguishing media	
Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Water. Do not use a heavy water stream.
5.2. Special hazards arising from the sub	stance or mixture
Fire hazard	: Flammable liquid and vapor.
Explosion hazard	: May form flammable/explosive vapor-air mixture.
Reactivity	: Flammable liquid and vapor.
5.3. Advice for firefighters	
Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

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SECTION 6: Accidental release measures		
6.1. Personal precautions, protective equipment and emergency procedures		
General measures	: Remove ignition sources. Use special care to avoid static electric charges. No open flames. No smoking.	
6.1.1. For non-emergency personnel		
Protective equipment	: Protective clothing. Safety glasses. Gloves.	
Emergency procedures	: Ventilate spillage area. Evacuate unnecessary personnel. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes.	
6.1.2. For emergency responders		
Protective equipment	: Do not attempt to take action without suitable protective equipment. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".	
Emergency procedures	: Ventilate area.	
6.2. Environmental precautions		
Prevent entry to sewers and public waters. Notify	authorities if liquid enters sewers or public waters. Avoid release to the environment.	
6.3. Methods and material for containmer	nt and cleaning up	
For containment	: Contain leaking substance. Collect spillage.	
Methods for cleaning up	: Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials. Notify authorities if product enters sewers or public waters.	
Other information	: Dispose of materials or solid residues at an authorized site.	
6.4. Reference to other sections		
For further information refer to section 13. See He	ading 8. Exposure controls and personal protection.	
SECTION 7: Handling and storage		
7.1. Precautions for safe handling		
Additional hazards when processed	: Handle empty containers with care because residual vapors are flammable.	
Precautions for safe handling	: Ensure good ventilation of the work station. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. No open flames. No smoking. Take precautionary measures against static discharge. Use only non-sparking tools. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing fume, spray, vapors. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Flammable vapors may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Avoid contact with skin and eyes.	
Hygiene measures	: Wash hands thoroughly after handling. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.	
7.2. Conditions for safe storage, including	g any incompatibilities	
Technical measures	: Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, Lighting equipment equipment.	
Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Heat sources, Ignition sources, Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Store in a well-ventilated place. Keep cool.	
Incompatible products	: Strong bases. Strong acids.	
Incompatible materials	: Sources of ignition. Direct sunlight. Heat sources.	
incompatible materials	5 5	
Storage temperature	: < 25 ℃	
	с с	
Storage temperature	: < 25 °C	
Storage temperature Storage area	: < 25 °C : Store in well ventilated area.	

No additional information available

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
UP2253 4:1 HIGH BUILD PR	IMER (S2025-US)		
ACGIH	Not applicable		
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UP2253 4:1 HIGH BUILD PRIMER (S2025-US)				
OSHA	Not applicable	Not applicable		
TITANIUM DIOXIDE	(13463-67-7)			
ACGIH	ACGIH TWA (mg/m ³)	1 mg/m ³		
ACGIH	Remark (ACGIH)	LRT irr; A3		
OSHA	OSHA PEL (TWA) (mg/m ³)	15 mg/m³		
ethylbenzene (100-4	1-4)			
ACGIH	ACGIH TWA (ppm)	20 ppm		
ACGIH	Remark (ACGIH)	URT irr; kidney dam (nephropathy)		
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³		
OSHA	OSHA PEL (TWA) (ppm)	100 ppm		
xylene (1330-20-7)				
ACGIH	ACGIH TWA (ppm)	100 ppm		
ACGIH	ACGIH STEL (ppm)	150 ppm		
ACGIH	Remark (ACGIH)	URT & eye irr; CNS impair		
OSHA	OSHA PEL (TWA) (mg/m ³)	435 mg/m ³		
OSHA	OSHA PEL (TWA) (ppm)	100 ppm		
Solvent naphtha (pe	etroleum), light arom.,			
ACGIH	Not applicable	Not applicable		
OSHA	Not applicable			

8.2. Exposure controls

Appropriate engineering controls Personal protective equipment

- : Ensure good ventilation of the work station.
- : Gas mask. Gloves. Protective clothing. Safety glasses. Avoid all unnecessary exposure.



Materials for protective clothing	: Impermeable clothing.
Hand protection	: Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	: Wear suitable protective clothing.
Respiratory protection	: Air-fed respiratory protective equipment should be worn when this product is sprayed. Wear appropriate mask.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1.	Information on basic physical and	chemical properties
Physica	al state	: Liquid
Appear	rance	: Viscous. Liquid.
Color		: Gray
Odor		: aromatic
Odor th	nreshold	: No data available
pН		: No data available
Relativ	e evaporation rate (butyl acetate=1)	: No data available
Melting) point	: Not applicable
Freezir	ng point	: No data available
Boiling	point	: No data available

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Flash point	: 28 °C	
Auto-ignition temperature	: No data available	
Decomposition temperature	: No data available	
Flammability (solid, gas)	: No data available	
Vapor pressure	: No data available	
Relative vapor density at 20 °C	: No data available	
Relative density	: No data available	
Specific gravity / density	: 1.67 - 1.71	
	: insoluble in water. soluble in most organic solvents.	
Log Pow	: No data available	
-	: No data available	
Viscosity, kinematic	: No data available	
Viscosity, dynamic	: 6500 - 7500 cP	
Explosive properties	: No data available	
Oxidizing properties	: No data available	
Explosion limits	: No data available	
9.2. Other information		
	: 404 g/l	
	: 404 g/l	
VOC content - Regulatory	: 404 g/l	
SECTION 10: Stability and reactivity		
10.1. Reactivity		
Flammable liquid and vapor.		
10.2. Chemical stability		
Flammable liquid and vapor. May form flammable/	avalacius vapor air mixtura	
10.3. Possibility of hazardous reactions		
Not established.		
10.4. Conditions to avoid		
Direct sunlight. Extremely high or low temperature Eliminate all sources of ignition.	s. Open flame. Overheating. Heat. Sparks. Avoid contact with hot surfaces. No flames, no sparks.	
10.5. Incompatible materials		
Strong acids. Strong bases.		
10.6. Hazardous decomposition products		
fume. Carbon monoxide. Carbon dioxide. May rele	ease flammable gases	
	5	
SECTION 11: Toxicological information	Dn	
11.1. Information on toxicological effects		
Acute toxicity	: Not classified	
ethylbenzene (100-41-4)		
ATE US (gases)	4500.000 ppmV/4h	
ATE US (vapors)	11.000 mg/l/4h	
ATE US (dust, mist)	1.500 mg/l/4h	
xylene (1330-20-7)		
ATE US (dermal)	1100.000 mg/kg body weight	
ATE US (dust, mist)	1.500 mg/l/4h	
Skin corrosion/irritation	: Causes skin irritation.	
Serious eye damage/irritation	: Not classified	
Respiratory or skin sensitization	: Not classified	
	: Not classified	
	Based on available data, the classification criteria are not met	
	שמשיע טיו מצמוומטוב טמנמ, נווב טומשאווטמווטוו טוונכוומ מוב ווטו וווכו	

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Carcinogenicity	: Suspected of causing cancer.
TITANIUM DIOXIDE (13463-67-7)	
IARC group	2B - Possibly carcinogenic to humans
ethylbenzene (100-41-4)	
IARC group	2B - Possibly carcinogenic to humans
xylene (1330-20-7)	
IARC group	3 - Not classifiable
Reproductive toxicity	: Not classified
Specific target organ toxicity – single exposure	Based on available data, the classification criteria are not met : Not classified
Specific target organ toxicity – single exposure	
Specific target organ toxicity – repeated exposure	: May cause damage to organs (hearing organs) through prolonged or repeated exposure (Inhalation).
Aspiration hazard	: Not classified
Potential Adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.
Symptoms/effects after skin contact	: Causes skin irritation. Irritation. Repeated exposure may cause skin dryness or cracking.
SECTION 12: Ecological information	
12.1. Toxicity	

Ecology - general	: Toxic to aquatic life with long lasting effects.
Ecology - water	: Toxic to aquatic life with long lasting effects.

12.2. Persistence and degradability		
UP2253 4:1 HIGH BUILD PRIMER (S2025-US)		
Persistence and degradability	May cause long-term adverse effects in the environment.	
Solvent naphtha (petroleum), light arom.,		
Persistence and degradability	May cause long-term adverse effects in the environment.	
2.3. Bioaccumulative potential		
UP2253 4:1 HIGH BUILD PRIMER (S2025-US)		
Bioaccumulative potential	Not established.	
Solvent naphtha (petroleum), light arom.,		
Bioaccumulative potential	Not established.	
12.4. Mobility in soil		

No additional information available

12.5. Other adverse effects	
Effect on ozone layer	: No additional information available
Effect on the global warming	: No known effects from this product.
Other information	: Avoid release to the environment.

SECTION 13: Disposal consideration	1S
13.1. Waste treatment methods	
Regional legislation (waste)	: Disposal must be done according to official regulations.
Waste treatment methods	: Dispose of contents/container in accordance with licensed collector's sorting instructions.
Product/Packaging disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Dispose of contents/container to Dispose of at authorized waste collection point.
Additional information	: Handle empty containers with care because residual vapors are flammable. Flammable vapors may accumulate in the container.

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Ecology - waste materials	: Avoid release to the environment.
SECTION 14: Transport information	
In accordance with DOT	
Transport document description	: UN1263 Paint (including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base), 3, III
UN-No.(DOT)	: UN1263
Proper Shipping Name (DOT)	: Paint
	including paint, lacquer, enamel, stain, shellac solutions, varnish, polish, liquid filler, and liquid lacquer base
Class (DOT)	: 3 - Class 3 - Flammable and combustible liquid 49 CFR 173.120
Hazard labels (DOT)	: 3 - Flammable liquid
	PLANMABLE LIQUID 3
Packing group (DOT)	: III - Minor Danger
DOT Special Provisions (49 CFR 172.102)	 B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable. B52 - Notwithstanding the provisions of 173.24b of this subchapter, non-reclosing pressure relief devices are authorized on DOT 57 portable tanks. IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HD2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672). T2 - 1.5 178.274(d)(2) Normal
DOT Packaging Exceptions (49 CFR 173.xxx)	: 150
DOT Packaging Non Bulk (49 CFR 173.xxx)	: 173
DOT Packaging Bulk (49 CFR 173.xxx)	: 242
DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27)	
DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75)	: 220 L
DOT Vessel Stowage Location	: A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.
Additional information	
Other information	: No supplementary information available.
ADR	
Transport document description	: UN 1263 PAINT, 3, III, (D/E)
Packing group (ADR)	:
Class (ADR)	: 3 - Flammable liquid
Hazard identification number (Kemler No.)	: 30
Classification code (ADR)	: F1
Hazard labels (ADR)	: 3 - Flammable liquids

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Orange plates	30 1263
Tunnel restriction code (ADR)	: D/E
LQ	: 51
Excepted quantities (ADR)	: E1
Transport by sea	
UN-No. (IMDG)	: 1263
Proper Shipping Name (IMDG)	: PAINT
Class (IMDG)	: 3 - Flammable liquids
Packing group (IMDG)	: III - substances presenting low danger
Air transport	
UN-No. (IATA)	: 1263
Proper Shipping Name (IATA)	: Paint
Class (IATA)	: 3 - Flammable Liquids
Packing group (IATA)	: III - Minor Danger

SECTION 15: Regulatory information

15.1. US Federal regulations

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

ethylbenzene	CAS-No. 100-41-4	< 5%
xylene	CAS-No. 1330-20-7	5 - 23%
TITANIUM DIOXIDE (13463-67-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory		
ethylbenzene (100-41-4)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	1000 lb	
xylene (1330-20-7)		
Listed on the United States TSCA (Toxic Substances Control Act) inventory Subject to reporting requirements of United States SARA Section 313		
CERCLA RQ	100 lb	
Solvent naphtha (petroleum), light arom.,		
Not listed on the United States TSCA (Toxic Substances Control Act) inventory		

15.2. International regulations

CANADA

No additional information available

EU-Regulations

No additional information available

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Flam. Liq. 3 H226 Skin Irrit. 2 H315 Aquatic Chronic 2 H411 Full text of hazard classes and H-statements : see section 16

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

National regulations 15.2.2.

TITANIUM DIOXIDE (13463-67-7)

Listed on IARC (International Agency for Research on Cancer)

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ethylbenzene (100-41-4)

Listed on IARC (International Agency for Research on Cancer)

15.3. US State regulations

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer, developmental and/or reproductive harm

ethylbenzene (100-41-4)				
U.S California - Proposition 65 - Carcinogens List	U.S California - Proposition 65 - Developmental Toxicity	U.S California - Proposition 65 - Reproductive Toxicity - Female	U.S California - Proposition 65 - Reproductive Toxicity - Male	No significant risk level (NSRL)
Yes	No	No	No	54

SECTION 16: Other information		
Revision date	: 04/20/2017	



Full text of H-phrases:

Other information

H225	Highly flammable liquid and vapor
H226	Flammable liquid and vapor
H304	May be fatal if swallowed and enters airways
H312	Harmful in contact with skin
H315	Causes skin irritation
H332	Harmful if inhaled
H335	May cause respiratory irritation
H336	May cause drowsiness or dizziness
H351	Suspected of causing cancer
H373	May cause damage to organs through prolonged or repeated
	exposure
H411	Toxic to aquatic life with long lasting effects

NFPA health hazard

: 2 - Materials that, under emergency conditions, can cause temporary incapacitation or residual injury.

NFPA fire hazard

NFPA reactivity

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

: 1 - Materials that in themselves are normally stable but can become unstable at elevated temperatures and pressures.

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