

SAFETY DATA SHEET

Date issued 18/06/2013

APU000204 : Acryline Fast Hardener



Flammable



Toxic



or



Transport:

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product Code	APU000204	Product Name	Acryline Fast Hardener		
CAS No.	Not applicable	EU Index No	Not applicable	UN No	1263
Recommended use	A paint or paint constituent product				
Emergency contact	(Tel): +27(0) 41 4011400				

SECTION 2. HAZARDS IDENTIFICATION

Overall Nature HAZARDOUS SUBSTANCE. DANGEROUS GOODS

Chemical Class PAINT PRODUCT

Comment OEL Type : Mixture - See tables in Sections 3 and 8

Classification reference **SABS0265 (Directives 67/548/EEC or 1999/45/EC):**
Danger symbol F T : highly flammable ,toxic
R Phrases R61,11,20,48/20,65,37/38,66,67
S Phrases S01/02,36/37,13,16,43A,45,51,53,62

Classification reference **SANS10234 (1272/2008/EC):**
Signal word Danger
Pictograms GHS08;GHS02;

Repr. 1A / 1B	H360D	May damage the unborn child.
Flam. Liq. 2	H225	Highly flammable liquid and vapour
Acute Tox. 4	H332	Harmful if inhaled
STOT RE 2	H373	May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways
STOT SE 3	H335	May cause respiratory irritation
Skin Corr/Irrit. 2	H315	Causes skin irritation
	EUH066	Repeated exposure may cause skin dryness or cracking
STOT SE 3	H336	May cause drowsiness or dizziness

HMIS Rating (USA) 3 - 4 - 0 - I (Health-Flam-Reactivity-PPE)

SAPMA Health Rating 1-SERIOUS - Major injury likely unless prompt action taken and treatment given

Inhalation HARMFUL. Contains ISOCYANATE. Sensitiser with accumulative effects.

Skin Highly irritating. Risk of dermatitis. May be absorbed through intact skin.

Eyes Highly Irritating and risk of irreversible damage.

Ingestion Harmful. May cause lung damage if swallowed.

MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 3. (EC/CHIP2)

May have short term environmental effects. Contain, monitor & remove

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS AND/OR OTHER RELEVANT COMPONENTS

Name	% m/m	EC Labels	CAS Number	EC Index
TOLUENE	<40 %	F Xn	000108-88-3	601-021-00-3
XYLENE	<10 %	Xn	001330-20-7	601-022-00-9
2-METHOXYPROPYL ACETATE	<0.5 %	T	070657-70-4	607-251-00-0
TOLUENE DI-ISOCYANATE MIXED ISOMERS	<0.2 %	T+	026471-62-5	615-006-00-4
n-BUTYL ACETATE	<5%	-	000123-86-4	607-025-00-1

EC Classification reference SABS0265 (Directives 67/548/EEC or 1999/45/EC):

EC Index	Classification
601-021-00-3	F Xn : R11,38,48/20,63,65,67
601-022-00-9	Xn : R10,20/21,38
607-251-00-0	T : R61,10,37
615-006-00-4	T+ : R26,36/37/38,40,42/43,52/53
607-025-00-1	R10,66,67

Classification reference SANS10234 (1272/2008/EC):

EC Index	Classification Hazard Code
601-021-00-3	Flam. Liq. 2;Repr. 2;Asp. Tox. 1;STOT RE 2 *;Skin Irrit. 2;STOT SE 3 H225;H361d ***;H304;H373 **;H315;H336
601-022-00-9	Flam. Liq. 3;Acute Tox. 4 *;Acute Tox. 4 *;Skin Irrit. 2 H226;H332;H312;H315
607-251-00-0	Flam. Liq. 3;Repr. 1B;STOT SE 3 H226;H360D ***;H335
615-006-00-4	Carc. 2;Acute Tox. 2 *;Eye Irrit. 2;STOT SE 3;Skin Irrit. 2;Resp. Sens. 1;Skin Sens. 1;Aquatic Chronic 3 H351;H330;H319;H335;H315;H334;H317;H412
607-025-00-1	Flam. Liq. 3;STOT SE 3 H226;H336

SECTION 4. FIRST AID MEASURES

Inhalation	Move to fresh air. In case of any discomfort seek medical attention immediately.
Skin	Drench with water. Remove contaminated clothing. Use a skin cleaner. In severe cases refer to Doctor.
Eyes	ACT FAST! Rinse immediately with plenty of water. Refer immediately to Doctor.
Ingestion	DO NOT INDUCE VOMITING. Get immediate medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Highly flammable with toxic fumes.
 Containers can burst in a fire. Can form explosive vapour/air mixture. Static discharge hazard!
 Foam. Dry powder. Fog to cool and control. Do NOT use water jets.
 Cool containers in case of fire.

SECTION 6. ACCIDENTAL RELEASE MEASURES - SEE ALSO SECTIONS 5, 8, 13

Contain & collect. Use an inert - NOT sawdust. Keep out of drains & sewers.
 Contain & collect spillage with non – combustible absorbent materials, e.g sand, earth, vermiculite, diatomous earth and place in container for disposal according to local regulations. Clean preferably with detergent; avoid use of solvents

SECTION 7. HANDLING AND STORAGE

Store only in designated places.
 Store below 23°C in a dry, well – ventilated place away from sources of heat, ignition and direct sunlight.
 No open flames. No smoking. No sparks.
 Keep containers cool. Avoid free fall of liquid - use earthing.
 Subject to local bylaws

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Name	CAS Number	OEL (mg/m3)	OEL (ppm)	STOEL (mg/m3)	STOEL (ppm)	OEL Type
TOLUENE	000108-88-3	188	50	560	150	RL+ S
XYLENE	001330-20-7	435	100	650	150	RL+ S
2-METHOXYPROPYL ACETATE	070657-70-4					
TOLUENE DI-ISOCYANATE MIXED ISOMERS	026471-62-5			0.070		CL S
n-BUTYL ACETATE	000123-86-4	710	150	950	200	RL

HMIS Rating (USA)	3 - 4 - 0 - I (Health-Flam-Reactivity-PPE)
SAPMA Rating	1-H-E PPE : Gloves, Respirator and Eye protection
Inhalation	Use respiratory protection. Handle with extreme care. Absorb any spillage at once.
Skin	AVOID CONTACT. Use impervious gloves, apron and boots.
Eyes	Use goggles. Avoid direct contact.
Ingestion	Observe the rules of hygiene. Wash before eating or drinking. OEL Type : Mixture - See tables in Sections 3 and 8

**SPRAYBOOTH**

Spraybooth Type	Spraybooth complying with National Standards
Skin PPE	Nitrile Gloves
Eyes PPE	Faceshield or solvent resistant goggles
Respiratory Protection	Air supplied full facepiece or head covering respirator suitable for organic vapours/particulates

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Appearance	Clear Viscous liquid
Odour	Pungent
Boiling point	>35°C
Flash point	<23°C
Relative Density	0.927 – 0.973
Viscosity	11 - 13 sec D4 @20°C

SECTION 10. STABILITY AND REACTIVITY

Stable under normal conditions

Could generate static - USE EARTHING

No reaction with fire-fighting water

Incompatible with/keep away from : explosives, UN class 2.3 gases, oxidising substances, organic peroxides, toxic and biohazardous substances

SECTION 11. TOXICOLOGICAL INFORMATION

MAY INDUCE EFFECTS ON REPRODUCTION/FERTILITY CAT 3. (EC/CHIP2)

Name	CAS Number	LD50 Oral	LD50 Skin	LC50 Inhal
TOLUENE	000108-88-3	>2000 mg (Rat)	>2000 mg (Rat)	
XYLENE	001330-20-7	4300 mg (Rat)	>5000 mg (Rabbit)	
2-METHOXYPROPYL ACETATE	070657-70-4			
TOLUENE DI-ISOCYANATE MIXED ISOMERS	026471-62-5	6170 mg (Rat)		
n-BUTYL ACETATE	000123-86-4	14000 mg (Rat)		

SECTION 12. ECOLOGICAL INFORMATION

May have short term environmental effects. Contain, monitor & remove

SECTION 13. DISPOSAL INFORMATION

Hazardous. Use reputable waste disposal contractors. Destroy used containers.

SECTION 14. TRANSPORT INFORMATION

UN Number	1263		
Shipping Name	PAINT PRODUCT		
IMO Class	3.2	Packing Group	II
Action Code	127		
HazChem	3[Y]E		
Kemler Code	30		



SECTION 15. REGULATORY INFORMATION

EC Classification reference SABS0265 (Directives 67/548/EEC or 1999/45/EC):

EC Index Number EC no. : n/a

Classification and Labelling F T : highly flammable ,toxic ; R61,11,20,48/20,65,37/38,66,67 ; S01/02,36/37,13,16,43A,45,51,53,62

Risk and Safety Phrases :

R61 - May cause harm to the unborn child.

R11 - Highly Flammable

R20 - Harmful by inhalation

R48/20 - Harmful: danger of serious damage to health by prolonged exposure

R65 - Harmful: May cause lung damage if swallowed.

R37/38 - Irritating to respiratory system and skin

R66 - Repeated exposure may cause skin drying or cracking

R67 - Vapours may cause drowsiness and dizziness.

S1/2 - Keep locked up and out of the reach of children. (Retail sales items)

S36/37 - Wear suitable protective clothing and gloves

S13 - Keep away from food, drink and animal feeding stuffs

S16 - Keep away from sources of ignition - No smoking

S43A - In case of fire, use water fog, foam or powder - Do not use water jets!

S45 - In case of accident or if you feel unwell, seek medical advice immediately (show label where possible)

S51 - Use only in well ventilated areas

S53 - Avoid exposure - obtain special instruction before use

S62 - If swallowed, do not induce vomiting : seek medical advice immediately and show this container or label.



Flammable



Toxic

Classification reference SANS10234 (1272/2008/EC):

EC Index Number EC no. : n/a

Classification and Labelling Danger ;GHS08;GHS02; H360D;H225;H332;H373;H304;H335;H315;EUH066;H336

Hazard and Precautionary Statements :

- H360D - May damage the unborn child.
- H225 - Highly flammable liquid and vapour
- H332 - Harmful if inhaled
- H373 - May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....
- H304 - May be fatal if swallowed and enters airways
- H335 - May cause respiratory irritation
- H315 - Causes skin irritation
- EUH066 - Repeated exposure may cause skin dryness or cracking
- H336 - May cause drowsiness or dizziness
- P101 = If medical advice is needed, have product container or label at hand. : Consumer products
- P102 = Keep out of reach of children. : Consumer products
- P201 = Obtain special instructions before use. :
- P210 = Keep away from heat/sparks/open flames/hot surfaces. – No smoking. : Manufacturer/supplier to specify applicable ignition source(s).
- P271 = Use only outdoors or in a well-ventilated area. :
- P281 = Use personal protective equipment as required. :
- P301+P330+P331 = IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. :
- P312 = Call a POISON CENTER or doctor/physician if you feel unwell. :
- P370+P378 = In case of fire: Use ... for extinction. : ... Manufacturer/supplier to specify appropriate media.
- P405 = Store locked up. :



SECTION 16. OTHER INFORMATION

Take precautionary measures against static.
Possibility of systemic effects - reproductive toxicity potential.
Contains isocyanate - a potential sensitizer. Ensure precautions are taken.
In case of any discomfort always seek medical advice

Risk (R) phrases associated with components

- R10 : Flammable
- R11 : Highly Flammable
- R20/21 : Harmful by inhalation and contact with the skin
- R26 : Very Toxic by inhalation
- R36/37/38 : Irritating to eyes, respiratory system and skin
- R37 : Irritating to the respiratory system
- R38 : Irritating to the skin
- R40 : Limited evidence of a carcinogenic effect.
- R42/43 : May cause sensitisation by inhalation and skin contact
- R48/20 : Harmful: danger of serious damage to health by prolonged exposure
- R52/53 : Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- R61 : May cause harm to the unborn child.
- R63 : Possible risk of harm to the unborn child.
- R65 : Harmful: May cause lung damage if swallowed.
- R66 : Repeated exposure may cause skin drying or cracking
- R67 : Vapours may cause drowsiness and dizziness.

Hazard (H) phrases associated with components

- H225 : Highly flammable liquid and vapour
- H226 : Flammable liquid and vapour
- H304 : May be fatal if swallowed and enters airways
- H312 : Harmful in contact with skin
- H315 : Causes skin irritation
- H317 : May cause an allergic skin reaction
- H319 : Causes serious eye irritation
- H330 : Fatal if inhaled
- H332 : Harmful if inhaled
- H334 : May cause allergy or asthma symptoms or breathing difficulties if inhaled
- H335 : May cause respiratory irritation
- H336 : May cause drowsiness or dizziness
- H351 : Suspected of causing cancer (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard)
- H360D : May damage the unborn child.
- H361d : Suspected of damaging the unborn child.
- H373 : May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure....
- H412 : Harmful to aquatic life with long lasting effects

This MSDS conforms with General Administrative Regulations of 6 Sept.1996 (ISO-11014/ANSIZ400.1.1996)
OELs derived from OHS Act Regulations for Dangerous Chemical Substances of 25 Aug.1995 (EH-42)
SAPMA Rating - South African Paint Manufacturers Association Guide to Health Hazards (SABS ARP 006:1991)
All information is given in good faith but without guarantee in respect of accuracy.
No responsibility is accepted for errors or omissions or the consequences thereof.

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