



## SAFETY DATA SHEET

STANDARD CATALYST (A)

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Compilation date: 23/07/2009

Revision No: 1

### Section 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Product name:** STANDARD CATALYST (A)

**Product code:** 9909/0699

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

#### 1.3. Details of the supplier of the safety data sheet

**Company name:** ProMIX Industrial

Second Avenue

Luton

Chatham

Kent

ME4 5AU

United Kingdom

**Tel:** 01634 823900

**Fax:** 01634 813807

**Email:** sales@capellasolutionsgroup.com

#### 1.4. Emergency telephone number

**Emergency tel:** 01634 823900

(office hours only)

### Section 2: Hazards identification

#### 2.1. Classification of the substance or mixture

**Classification under CHIP:** -: R10; Xn: R20/21; Xi: R36/37/38; Sens.: R43; -: R66

**Classification under CLP:** Flam. Liq. 2: H225; Acute Tox. 4: H312+332; Eye Irrit. 2: H319; Skin Irrit. 2: H315; STOT SE 3: H335; Skin Sens. 1: H317; -: EUH208; -: EUH066; -: EUH204

**Most important adverse effects:** Flammable. Harmful by inhalation and in contact with skin. Irritating to eyes, respiratory system and skin. May cause sensitisation by skin contact. Repeated exposure may cause skin dryness or cracking.

#### 2.2. Label elements

**Label elements:**

**Hazard statements:** H225: Highly flammable liquid and vapour.

H312+332: Harmful in contact with skin or if inhaled.

H319: Causes serious eye irritation.

H315: Causes skin irritation.

H317: May cause an allergic skin reaction.

[cont...]

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H335: May cause respiratory irritation.

EUH208: Contains hexamethylene-di-isocyanate. May produce an allergic reaction.

EUH066: Repeated exposure may cause skin dryness or cracking.

EUH204: Contains isocyanates. May produce an allergic reaction.

**Signal words:** Danger

**Hazard pictograms:** GHS02: Flame

GHS07: Exclamation mark



**Precautionary statements:** P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P312: Call a POISON CENTER/doctor/or physician/if you feel unwell.

### Label elements under CHIP:

**Hazard symbols:** Harmful.



**Risk phrases:** R10: Flammable.

R20/21: Harmful by inhalation and in contact with skin.

R36/37/38: Irritating to eyes, respiratory system and skin.

R43: May cause sensitisation by skin contact.

R66: Repeated exposure may cause skin dryness or cracking.

**Safety phrases:** S36/37: Wear suitable protective clothing and gloves.

**Precautionary phrases:** Contains isocyanates. See information supplied by the manufacturer.

Contains hexamethylene-di-isocyanate. May produce an allergic reaction.

### 2.3. Other hazards

**PBT:** This product is not identified as a PBT/vPvB substance.

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### XYLENE

EINECS	CAS	CHIP Classification	CLP Classification	Percent
215-535-7	1330-20-7	-: R10; Xn: R20/21; Xi: R38	Flam. Liq. 3: H226; Acute Tox. 4: H332; Acute Tox. 4: H312; Skin Irrit. 2: H315	30-50%

[cont...]

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## 4-METHYLPENTAN-2-ONE

203-550-1	108-10-1	F: R11; Xn: R20; Xi: R36/37; -: R66	Flam. Liq. 2: H225; Acute Tox. 4: H332; Eye Irrit. 2: H319; STOT SE 3: H335; -: EUH066	10-30%
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## POLI(ESAMETILEN DIISOCIANATO) (A)

-	28182-81-2	Sens.: R43	-	10-30%
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## 2-METHOXY-1-METHYLETHYL ACETATE

203-603-9	108-65-6	-, R10 Substance with a Community workplace exposure limit.	Flam. Liq. 3: H226	1-10%
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## ETHYLBENZENE

202-849-4	100-41-4	F: R11; Xn: R20; Xn: R48/20; Xn: R65	Flam. Liq. 2: H225; Acute Tox. 4: H332; STOT RE 2: H373; Asp. Tox. 1: H304	1-10%
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## N-BUTYL ACETATE

204-658-1	123-86-4	-, R10; -, R66; -, R67	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	1-10%
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## HEXAMETHYLENE-DI-ISOCYANATE

212-485-8	822-06-0	T: R23; Xi: R36/37/38; Sens.: R42/43	Acute Tox. 3: H331; Eye Irrit. 2: H319; STOT SE 3: H335; Skin Irrit. 2: H315; Resp. Sens. 1: H334; Skin Sens. 1: H317	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water.

**Eye contact:** Bathe the eye with running water for 15 minutes.

**Ingestion:** Wash out mouth with water. Do not induce vomiting. If conscious, give half a litre of water to drink immediately. Consult a doctor.

**Inhalation:** Remove casualty from exposure ensuring one's own safety whilst doing so. Consult a doctor.

### 4.2. Most important symptoms and effects, both acute and delayed

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

[cont...]

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## 4.3. Indication of any immediate medical attention and special treatment needed

**Immediate / special treatment:** Not applicable.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Suitable extinguishing media for the surrounding fire should be used. Use water spray to cool containers.

### 5.2. Special hazards arising from the substance or mixture

**Exposure hazards:** In combustion emits toxic fumes.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes.

## Section 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

**Personal precautions:** Refer to section 8 of SDS for personal protection details. If outside do not approach from downwind. Mark out the contaminated area with signs and prevent access to unauthorised personnel. Turn leaking containers leak-side up to prevent the escape of liquid. If outside keep bystanders upwind and away from danger point.

### 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Contain the spillage using bunding.

### 6.3. Methods and material for containment and cleaning up

**Clean-up procedures:** Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

### 6.4. Reference to other sections

**Reference to other sections:** Refer to section 8 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure there is sufficient ventilation of the area. Do not handle in a confined space. Avoid the formation or spread of mists in the air.

### 7.2. Conditions for safe storage, including any incompatibilities

**Storage conditions:** Store in a cool, well ventilated area. Keep container tightly closed.

### 7.3. Specific end use(s)

**Specific end use(s):** No data available.

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## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**XYLENE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	220 mg/m <sup>3</sup>	441 mg/m <sup>3</sup>	-	-

**4-METHYLPENTAN-2-ONE**

UK	208 mg/m <sup>3</sup>	416 mg/m <sup>3</sup>	-	-
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**2-METHOXY-1-METHYLETHYL ACETATE**

UK	274 mg/m <sup>3</sup>	548 mg/m <sup>3</sup>	-	-
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**ETHYLBENZENE**

UK	441 mg/m <sup>3</sup>	552 mg/m <sup>3</sup>	-	-
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**N-BUTYL ACETATE**

UK	724 mg/m <sup>3</sup>	966 mg/m <sup>3</sup>	-	-
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**HEXAMETHYLENE-DI-ISOCYANATE**

UK	0.02 mg/m <sup>3</sup>	0.07 mg/m <sup>3</sup>	-	-
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### DNEL/PNEC Values

**DNEL / PNEC** No data available.

### 8.2. Exposure controls

**Engineering measures:** Ensure there is sufficient ventilation of the area.

**Respiratory protection:** Self-contained breathing apparatus must be available in case of emergency.

**Hand protection:** Protective gloves.

**Eye protection:** Safety glasses. Ensure eye bath is to hand.

**Skin protection:** Protective clothing.

## Section 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

**State:** Liquid

**Colour:** Colourless

**Odour:** Characteristic odour

**Evaporation rate:** No data available.

**Oxidising:** No data available.

**Solubility in water:** No data available.

**Viscosity:** No data available.

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**Boiling point/range°C:** >35

**Flammability limits %: lower:** No data available.

**Flash point°C:** <23

**Autoflammability°C:** No data available.

**Relative density:** 0.914 Kg/l

**VOC g/l:** 640.85

**Melting point/range°C:** No data available.

**upper:** No data available.

**Part.coeff. n-octanol/water:** No data available.

**Vapour pressure:** No data available.

**pH:** No data available.

## 9.2. Other information

**Other information:** No data available.

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** Stable under recommended transport or storage conditions.

### 10.2. Chemical stability

**Chemical stability:** Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** Hazardous reactions will not occur under normal transport or storage conditions.

Decomposition may occur on exposure to conditions or materials listed below.

### 10.4. Conditions to avoid

**Conditions to avoid:** Heat.

### 10.5. Incompatible materials

**Materials to avoid:** Strong oxidising agents. Strong acids.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** In combustion emits toxic fumes.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

**Hazardous ingredients:**

#### XYLENE

ORL	MUS	LD50	2119	mg/kg
ORL	RAT	LD50	4300	mg/kg
SCU	RAT	LD50	1700	mg/kg

#### 4-METHYLPENTAN-2-ONE

IPR	RAT	LD50	400	mg/kg
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ORL	MUS	LD50	1900	mg/kg
ORL	RAT	LD50	2080	mg/kg

### 2-METHOXY-1-METHYLETHYL ACETATE

IPR	MUS	LD50	750	mg/kg
ORL	RAT	LD50	8532	mg/kg

### ETHYLBENZENE

IPR	MUS	LD50	2624	µl/kg
ORL	RAT	LD50	3500	mg/kg

### N-BUTYL ACETATE

ORL	MUS	LD50	6	gm/kg
ORL	RAT	LD50	10768	mg/kg

### HEXAMETHYLENE-DI-ISOCYANATE

IVN	MUS	LD50	5600	µg/kg
ORL	MUS	LD50	350	mg/kg
ORL	RAT	LD50	710	µl/kg

#### Relevant effects for mixture:

Effect	Route	Basis
Acute toxicity (harmful)	INH DRM	Hazardous: calculated
Irritation	OPT INH DRM	Hazardous: calculated
Sensitisation	DRM	Hazardous: calculated

#### Symptoms / routes of exposure

**Skin contact:** There may be mild irritation at the site of contact.

**Eye contact:** There may be irritation and redness.

**Ingestion:** There may be soreness and redness of the mouth and throat. Inhalation of fumes from the stomach may cause symptoms similar to direct inhalation.

**Inhalation:** There may be irritation of the throat with a feeling of tightness in the chest. Drowsiness or mental confusion may occur.

**Delayed / immediate effects:** Immediate effects can be expected after short-term exposure.

## Section 12: Ecological information

### 12.1. Toxicity

**Ecotoxicity values:** No data available.

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## 12.2. Persistence and degradability

**Persistence and degradability:** Biodegradable.

## 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No bioaccumulation potential.

## 12.4. Mobility in soil

**Mobility:** Readily absorbed into soil.

## 12.5. Results of PBT and vPvB assessment

**PBT identification:** This product is not identified as a PBT/vPvB substance.

## 12.6. Other adverse effects

**Other adverse effects:** Negligible ecotoxicity.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Transfer to a suitable container and arrange for collection by specialised disposal company.

**NB:** The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1263

### 14.2. UN proper shipping name

**Shipping name:** Paint or paint related materials

### 14.3. Transport hazard class(es)

**Transport class:** 3

### 14.4. Packing group

**Packing group:** II

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** No special precautions.

**Tunnel code:** D/E

## Section 15: Regulatory information

[cont...]



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## 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

**Specific regulations:** Not applicable.

## 15.2. Chemical Safety Assessment

## Section 16: Other information

### Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

\* indicates text in the SDS which has changed since the last revision.

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.  
EUH204: Contains isocyanates. May produce an allergic reaction.  
EUH208: Contains <name of sensitising substance>. May produce an allergic reaction.  
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.  
H312+332: Harmful in contact with skin or if inhaled.  
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.  
H336: May cause drowsiness or dizziness.  
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 cause the hazard>.  
R10: Flammable.  
R11: Highly flammable.  
R20/21: Harmful by inhalation and in contact with skin.  
R20: Harmful by inhalation.  
R23: Toxic by inhalation.  
R36/37/38: Irritating to eyes, respiratory system and skin.  
R36/37: Irritating to eyes and respiratory system.  
R38: Irritating to skin.  
R42/43: May cause sensitisation by inhalation and skin contact.  
R43: May cause sensitisation by skin contact.  
R48/20: Harmful: danger of serious damage to health by prolonged exposure through

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inhalation.

R65: Harmful: may cause lung damage if swallowed.

R66: Repeated exposure may cause skin dryness or cracking.

R67: Vapours may cause drowsiness and dizziness.

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.