



ABC-Allied Pressroom Products  
Chemicals for the International Printing Industry

## SAFETY DATA SHEET TITAN ELITE FOUNT

### SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

#### 1.1. Product identifier

Product name TITAN ELITE FOUNT

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

Identified uses For use as a fountain solution in the lithographic printing industry

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

Supplier ABC-ALLIED PRESSROOM PRODUCTS  
(EUROPE) LTD  
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info@abcalliedchem.com

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#### 1.4. Emergency telephone number

ABC-Allied (China)+86 755 3367 8780 (09:00-17:00 CST) ABC-Allied (Europe) +48 2 2670 2201 (09:00-17:00 CEST)

### SECTION 2: HAZARDS IDENTIFICATION

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

Classification (EC 1272/2008)

Physical and Chemical Hazards	Not classified.
Human health	Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Skin Sens. 1 - H317
Environment	Not classified.

Classification (1999/45/EEC) Xi; R36/38. R43.

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

#### 2.2. Label elements

Contains 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)

Label In Accordance With (EC) No. 1272/2008



Signal Word

Warning

Hazard Statements

H315

Causes skin irritation.

## TITAN ELITE FOUNT

	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
Precautionary Statements	P280	Wear protective gloves/protective clothing/eye protection/face protection.
	P305+351+338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P313	Get medical advice/attention.
	P501	Dispose of contents/container in accordance with national regulations.
Supplementary Precautionary Statements	P272	Contaminated work clothing should not be allowed out of the workplace.
	P261	Avoid breathing vapour/spray.
	P264	Wash contaminated skin thoroughly after handling.
	P321	Specific treatment (see medical advice on this label).
	P302+352	IF ON SKIN: Wash with plenty of soap and water.
	P332+313	If skin irritation occurs: Get medical advice/attention.
	P333+313	If skin irritation or rash occurs: Get medical advice/attention.
	P337	If eye irritation persists:
	P362	Take off contaminated clothing and wash before reuse.
	P363	Wash contaminated clothing before reuse.

**2.3. Other hazards**

Not Classified as PBT/vPvB by current EU criteria.

<b>SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS</b>
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**3.2. Mixtures**

2-BUTOXYETHANOL	10-30%
CAS-No.: 111-76-2	EC No.: 203-905-0
Classification (EC 1272/2008) Acute Tox. 4 - H302 Acute Tox. 4 - H312 Acute Tox. 4 - H332 Skin Irrit. 2 - H315 Eye Irrit. 2 - H319	Classification (67/548/EEC) Xn;R20/21/22 Xi;R36/38
5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7] and 2-methyl-4-isothiazolin-3-one [EC no. 220-239-6] (3:1)	< 1
CAS-No.: 55965-84-9	EC No.:
Classification (EC 1272/2008) Acute Tox. 3 - H301 Acute Tox. 3 - H311 Acute Tox. 3 - H331 Skin Corr. 1B - H314 Skin Sens. 1 - H317 Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410	Classification (67/548/EEC) T;R23/24/25 C;R34 R43 N;R50/53
ACETIC ACID ...%	1-5%
CAS-No.: 64-19-7	EC No.: 200-580-7
Classification (EC 1272/2008) Flam. Liq. 3 - H226 Skin Corr. 1A - H314	Classification (67/548/EEC) R10 C;R35

## TITAN ELITE FOUNT

HYDROXYSUCCINIC ACID		1-5%
CAS-No.: 6915-15-7	EC No.: 230-022-8	
Classification (EC 1272/2008) Skin Irrit. 2 - H315 Eye Irrit. 2 - H319 STOT SE 3 - H335	Classification (67/548/EEC) Xi;R36/37/38.	
Mono Propylene Glycol		10-30%
CAS-No.: 57-55-6	EC No.: 200-338-0	
Classification (EC 1272/2008) Not classified.	Classification (67/548/EEC) Not classified.	
N-(n-OCTYL)-2-PYRROLIDONE		1-5%
CAS-No.: 2687-94-7	EC No.: 403-700-8	
Classification (EC 1272/2008) Skin Corr. 1B - H314 Aquatic Chronic 2 - H411	Classification (67/548/EEC) C;R34 N;R51/53	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

## SECTION 4: FIRST AID MEASURES

### **4.1. Description of first aid measures**

Inhalation

Move the exposed person to fresh air at once. Get medical attention if any discomfort continues.

Ingestion

DO NOT INDUCE VOMITING! Rinse mouth thoroughly. Drink plenty of water. Get medical attention if any discomfort continues.

Skin contact

Remove affected person from source of contamination. Wash the skin immediately with soap and water. Get medical attention if irritation persists after washing.

Eye contact

Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Continue to rinse for at least 15 minutes. Get medical attention if any discomfort continues.

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

Inhalation.

Vapours may cause headache, fatigue, dizziness and nausea.

Ingestion

May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.

Skin contact

Allergic rash. Skin irritation.

Eye contact

Irritating and may cause redness and pain.

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

No specific first aid measures noted.

## SECTION 5: FIREFIGHTING MEASURES

### **5.1. Extinguishing media**

# TITAN ELITE FOUNT

## Extinguishing media

This product is not flammable. Use fire-extinguishing media appropriate for surrounding materials.

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

#### Hazardous combustion products

In case of fire, toxic gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) may be formed.

#### Unusual Fire & Explosion Hazards

No unusual fire or explosion hazards noted.

### **5.3. Advice for firefighters**

#### Protective equipment for fire-fighters

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

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

Wear protective clothing as described in Section 8 of this safety data sheet.

### **6.2. Environmental precautions**

Avoid discharge into drains, water courses or onto the ground.

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

Wash thoroughly after dealing with a spillage. Absorb in vermiculite, dry sand or earth and place into containers.

### **6.4. Reference to other sections**

For waste disposal, see section 13.

## SECTION 7: HANDLING AND STORAGE

### **7.1. Precautions for safe handling**

Avoid spilling, skin and eye contact. Avoid inhalation of vapours.

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

Store in tightly closed original container in a dry, cool and well-ventilated place.

### **7.3. Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### **8.1. Control parameters**

Name	STD	TWA - 8 Hrs		STEL - 15 Min		Notes
2-BUTOXYETHANOL	WEL	25 ppm(Sk)	123 mg/m <sup>3</sup> (Sk)	50 ppm(Sk)	246 mg/m <sup>3</sup> (Sk)	
Mono Propylene Glycol	WEL	150 ppm	474 mg/m <sup>3</sup>			

#### Ingredient Comments

WEL = Workplace Exposure Limits

**TITAN ELITE FOUNT****2-BUTOXYETHANOL (CAS: 111-76-2)**

DNEL				
Industry	Dermal	Short Term	Systemic Effects	89 mg/kg/day
Industry	Inhalation.	Short Term	Systemic Effects	135 ppm
Industry	Inhalation.	Short Term	Local Effects	50 ppm
Industry	Dermal	Long Term	Systemic Effects	75 mg/kg/day
Industry	Inhalation.	Long Term	Systemic Effects	20 ppm
PNEC				
Freshwater	8.8	mg/l		
Marinewater	0.88	mg/l		
STP	463	mg/l		
Sediment (Freshwater)	43.6	mg/kg		
Sediment (Marinewater)	3.46	mg/kg		
Soil	2.8	mg/kg		

**ACETIC ACID ...% (CAS: 64-19-7)**

DNEL				
Industry	Inhalation.	Short Term	Local Effects	25 mg/m3
Industry	Inhalation.	Long Term	Local Effects	25 mg/m3
PNEC				
Sediment (Freshwater)	11.36	mg/kg		
Sediment (Marinewater)	1.136	mg/kg		
Marinewater	0.3058	mg/l		
Freshwater	3.058	mg/l		
Intermittent release	30.58	mg/l		
Soil	0.478	mg/kg		
STP	85	mg/l		

**Mono Propylene Glycol (CAS: 57-55-6)**

DNEL				
Industry	Inhalation.	Long Term	Systemic Effects	168 mg/m3
Industry	Inhalation.	Long Term	Local Effects	10 mg/m3
PNEC				
Freshwater	260	mg/l		
Marinewater	26	mg/l		
Intermittent release	183	mg/l		
Sediment (Freshwater)	572	mg/kg		
Sediment (Marinewater)	57.2	mg/kg		
Soil	50	mg/kg		
STP	20000	mg/l		

**8.2. Exposure controls**

## Protective equipment



## Engineering measures

No particular ventilation requirements.

## Respiratory equipment

No specific recommendation made, but respiratory protection must be used if the general level exceeds the recommended occupational exposure limit.

## Hand protection

Chemical resistant gloves required for prolonged or repeated contact.

## Eye protection

Wear approved chemical safety goggles where eye exposure is reasonably probable.

## Other Protection

Wear appropriate clothing to prevent any possibility of skin contact.

## Hygiene measures

Wash hands at the end of each work shift and before eating, smoking and using the toilet. Wash promptly if skin becomes wet or contaminated. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. DO NOT SMOKE IN WORK AREA!

## TITAN ELITE FOUNT

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

Appearance	Clear liquid.
Colour	Brown.
Odour	Glycol ether.
Solubility	Completely soluble in water
Initial boiling point and boiling range	>100 oC @ 760 mm Hg
Melting point (°C)	Not applicable.
Relative density	1.02 @ 20 oC
Bulk Density	Not applicable.
Vapour density (air=1)	>1
Vapour pressure	No information available.
Evaporation rate	No information available.
pH-Value, Conc. Solution	3-4
Viscosity	No information available.
Solubility Value (G/100G H <sub>2</sub> O@20°C)	No information available.
Decomposition temperature (°C)	No information available.
Odour Threshold, Lower	No information available.
Odour Threshold, Upper	No information available.
Flash point	Not applicable.
Auto Ignition Temperature (°C)	No information available.
Flammability Limit - Lower(%)	No information available.
Flammability Limit - Upper(%)	No information available.
Partition Coefficient (N-Octanol/Water)	No information available.
Oxidising properties	Not available.
Comments	This product does not flash as the expected flash point is above the boiling point of the product. Information declared as "Not available" or "Not applicable" is not considered to be justified for enabling proper control measures to be taken.

**9.2. Other information**

Volatile Organic Compound (VOC) 281 g/litre

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**SECTION 10: STABILITY AND REACTIVITY**


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**10.1. Reactivity**

No specific reactivity hazards associated with this product.

**10.2. Chemical stability**

Stable under normal temperature conditions.

**10.3. Possibility of hazardous reactions**

Hazardous Polymerisation  
Will not polymerise.

# TITAN ELITE FOUNT

## **10.4. Conditions to avoid**

Avoid excessive heat for prolonged periods of time.

## **10.5. Incompatible materials**

Materials To Avoid

Strong oxidising substances. Strong reducing agents. Strong alkalis.

## **10.6. Hazardous decomposition products**

Fire creates: Carbon monoxide (CO). Carbon dioxide (CO<sub>2</sub>). Nitrous gases (NO<sub>x</sub>).

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

#### Aspiration hazard:

Inhalation

Vapours may cause drowsiness and dizziness.

Ingestion

May cause stomach pain or vomiting. Ingestion of large amounts may cause unconsciousness.

Skin contact

Irritating to skin. May cause sensitisation by skin contact. Contains components which may penetrate the skin.

Eye contact

Irritating to eyes.

Route of entry

Skin and/or eye contact. Skin absorption. Inhalation.

Medical Symptoms

Irritation of eyes and mucous membranes. Skin irritation. If swallowed, especially in large quantities: Nausea, vomiting. Central nervous system depression. Unconsciousness, possibly death. Drowsiness, dizziness, disorientation, vertigo.

## **SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity

Not known. The product contains a substance which is very toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment. However, this preparation has not been classified as hazardous to the environment using the conventional method calculation. The product may affect the acidity (pH-factor) in water with risk of harmful effects to aquatic organisms.

### **12.1. Toxicity**

Acute Toxicity - Fish

Not known.

Acute Toxicity - Aquatic Invertebrates

Not known.

Acute Toxicity - Aquatic Plants

Not known.

### **12.2. Persistence and degradability**

Degradability

There are no data on the degradability of this product.

### **12.3. Bioaccumulative potential**

Bioaccumulative potential

No data available on bioaccumulation.

Partition coefficient

No information available.

### **12.4. Mobility in soil**

Mobility:

The product is soluble in water. The product contains volatile organic compounds (VOC) which will evaporate easily from all surfaces.

# TITAN ELITE FOUNT

## **12.5. Results of PBT and vPvB assessment**

Not Classified as PBT/vPvB by current EU criteria.

## **12.6. Other adverse effects**

Not known.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **13.1. Waste treatment methods**

Dispose of waste and residues in accordance with local authority requirements.

## **SECTION 14: TRANSPORT INFORMATION**

General The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

### **14.1. UN number**

### **14.2. UN proper shipping name**

### **14.3. Transport hazard class(es)**

ADR/RID/ADN Class Not classified for transportation.

Transport Labels

No transport warning sign required.

### **14.4. Packing group**

### **14.5. Environmental hazards**

### **14.6. Special precautions for user**

### **14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

## **SECTION 15: REGULATORY INFORMATION**

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

Guidance Notes

Workplace Exposure Limits EH40.

EU Legislation

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 with amendments.

Water hazard classification

WGK 1

### **15.2. Chemical Safety Assessment**

No chemical safety assessment has been carried out.

## **SECTION 16: OTHER INFORMATION**

Information Sources

Material Safety Data Sheet, Misc. manufacturers.

Revision Comments

This is first issue.

Issued By

J Waterfield



## TITAN ELITE FOUNT

Date	18/11/11
Risk Phrases In Full	
R34	Causes burns.
R35	Causes severe burns.
R10	Flammable.
R20/21/22	Harmful by inhalation, in contact with skin and if swallowed.
R36/38	Irritating to eyes and skin.
R36/37/38	Irritating to eyes, respiratory system and skin.
R43	May cause sensitisation by skin contact.
NC	Not classified.
R23/24/25	Toxic by inhalation, in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Hazard Statements In Full	
H319	Causes serious eye irritation.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H226	Flammable liquid and vapour.
H332	Harmful if inhaled.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H317	May cause an allergic skin reaction.
H335	May cause respiratory irritation.
H331	Toxic if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H411	Toxic to aquatic life with long lasting effects.
H410	Very toxic to aquatic life with long lasting effects.
H400	Very toxic to aquatic life.

## Disclaimer

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.