| Revision nr. 9 | | Dated 30/11/2017 | | A0092 - ANODAL | Printed on 12/12/2017 | | Page n. 1/19

Safety data sheet

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Code: A0092
Product name ANODAL

Chemical name and synonym VERNICE ALCHIDICA

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

ntended use VERNICE PER ALLUMINIO IN AEROSOL.

1.3. Details of the supplier of the safety data sheet

Name Talken Color Srl
Full address via Don Milani 15
District and Country 20025 Legnano (Mi)

Italia

Tel. 0331/579100 Fax 0331/579372

e-mail address of the competent person

responsible for the Safety Data Sheet tecnico@talkencolor.it

1.4. Emergency telephone number

For urgent inquiries refer to CENTRO ANTIVELENI dl Milano-Niguarda Tel 0266101029

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of EC Regulation 1907/2006 and subsequent amendments. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Aerosol, category 1	H222 H229	Extremely flammable aerosol. Pressurised container: may burst if heated.
Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Specific target organ toxicity - single exposure, category 3	H336	May cause drowsiness or dizziness.

2.2. Label elements

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

Hazard pictograms:





A0092 - ANODAL

Revision nr. 9

Dated 30/11/2017

Printed on 12/12/2017

Page n. 2/19

Signal words: Danger

Hazard statements:

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H319 Causes serious eye irritation.H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

Precautionary statements:

P102 Keep out of reach of children.

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

P211 Do not spray on an open flame or other ignition source.

P251 Do not pierce or burn, even after use.

P271 Use only outdoors or in a well-ventilated area.

P410+P412 Protect from sunlight. Do no expose to temperatures exceeding 50°C / 122°F.

P501 Dispose of contents in different containers for steel

Contains: ACETONE

N-BUTYL ACETATE PROPAN-2-OL BUTANOL

2.3. Other hazards

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.

Identification Conc. % Classification 1272/2008 (CLP)

ACETONE

CAS 67-64-1 26,701 Flam. Liq. 2 H225, Eye Irrit. 2

H319, STOT SE 3 H336,

EUH066

EC 200-662-2

INDEX 606-001-00-8

Reg. no. 01-2119471330-49-XXXX

2-BUTOXYETHANOL

CAS 111-76-2 4,843 Acute Tox. 4 H302, Acute

Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin

A0092 - ANODAL

Revision nr. 9

Dated 30/11/2017

Printed on 12/12/2017

Page n. 3/19

Irrit. 2 H315

EC 203-905-0

INDEX 603-014-00-0

Reg. no. 01-2119475108-36-XXXX

N-BUTYL ACETATE

CAS 123-86-4

4,767

Flam. Liq. 3 H226, STOT SE

3 H336, EUH066

EC 204-658-1

INDEX 607-025-00-1

Reg. no. 01-2119485493-29

4-HYDROXY-4-METHYLPENTAN-2-ONE

CAS 123-42-2

2,13

Flam. Liq. 3 H226, Eye Irrit. 2

H319, STOT SE 3 H335

EC 204-626-7

INDEX 603-016-00-1

Reg. no. 01-2119473975-21

PROPAN-2-OL

CAS 67-63-0

1,491

Flam. Liq. 2 H225, Eye Irrit. 2

H319, STOT SE 3 H336

EC 200-661-7

INDEX 603-117-00-0

Reg. no. 01-2119457558-25

XYLENE (MIXTURE OF ISOMERS)

CAS 1330-20-7

1,313 Flam. Liq. 3 H226, Acute Tox.

4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3

H335, Note C

EC 215-535-7

INDEX 601-022-00-9

Reg. no. 01-2119488216-32-XXX

BUTANOL

CAS 71-36-3 1,278

Flam. Liq. 3 H226, Acute Tox.

4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, STOT SE 3 H335, STOT SE 3 H336

EC 200-751-6

INDEX 603-004-00-6

Reg. no. 01-2119484630-38

ETHYLBENZENE

CAS 100-41-4 0,227

Flam. Liq. 2 H225, Acute Tox.

4 H332, Asp. Tox. 1 H304,

STOT RE 2 H373

EC 202-849-4 INDEX 601-023-00-4

Reg. no. 01-2119489370-35-XXX

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 46,89 %

Talken Color Srl	Revision nr. 9
	Dated 30/11/2017
A0092 - ANODAL	Printed on 12/12/2017
	Page n. 4/19

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

Specific information on symptoms and effects caused by the product are unknown.

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained

Talken Color Srl	Revision nr. 9
	Dated 30/11/2017
A0092 - ANODAL	Printed on 12/12/2017
	Page n. 5/19

open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.

6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)

Taiken Color Sri	Revision nr. 9
	Dated 30/11/2017
AUU92 - ANODAL	Printed on 12/12/2017
	Page n. 6/19

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

ESP España INSHT - Límites de exposición profesional para agentes químicos en

España 2015

GBR United Kingdom EH40/2005 Workplace exposure limits ITA Italia Decreto Legislativo 9 Aprile 2008, n.81

EU OEL EU Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC;

Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.

TLV-ACGIH ACGIH 2016

ACETONE					
Threshold Limit Value					
Туре	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	1210	500		
WEL	GBR	1210	500	3620	1500
VLEP	ITA	1210	500		
OEL	EU	1210	500		
TLV-ACGIH		1187	500	1781	750

2-BUTOXYETHANOL							
Threshold Limit Value							
Туре	Country	TWA/8h		STEL/15min	STEL/15min		
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP	98	20	245	50	SKIN	
WEL	GBR	123	25	246	50	SKIN	
VLEP	ITA	98	20	246	50	SKIN	
OEL	EU	98	20	246	50	SKIN	
TLV-ACGIH		97	20				

N-BUTYL ACETATE					
Threshold Limit Value					
Туре	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	ESP	724	150	965	200
WEL	GBR	724	150	966	200
TLV-ACGIH			50		150

4-HYDROXY-4-METHYL	PENTAN-2-ONE				
Threshold Limit Value					
Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
VLA	FSP	241	50		

	Talken Color Srl A0092 - ANODAL					Revision nr. 9 Dated 30/11/2017 Printed on 12/12/2017 Page n. 7/19	
WEL TLV-ACGIH	GBR	241 238	50 50	362	75		
PROPAN-2-OL							
Threshold Limit Value Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP	500	200	1000	400		
WEL	GBR	999	400	1250	500		
TLV-ACGIH		492	200	983	400		
XYLENE (MIXTURE OF IS	OMERS)						
Threshold Limit Value Type	Country	TWA/8h		STEL/15min			
Турс	Country	mg/m3	ppm	mg/m3	nnm		
VLA	ESP	221	50	442	ppm 100	SKIN	
WEL	GBR	220				SKIIV	
			50	441	100	01/11	
VLEP	ITA	221	50	442	100	SKIN	
OEL	EU	221	50	442	100	SKIN	
TLV-ACGIH		434	100	651	150		
BUTANOL Threshold Limit Value							
Type	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP	61	20	154	50	SKIN	
WEL	GBR			154	50	SKIN	
TLV-ACGIH		61	20				
ALUMINIUM POWDER (S	TABII IZED)						
Threshold Limit Value							
Туре	Country	TWA/8h		STEL/15min			
		mg/m3	ppm	mg/m3	ppm		
VLA	ESP	10					
WEL	GBR	4					
TLV-ACGIH		1	0,9				
ETHYLBENZENE							
Threshold Limit Value Type	Country	TWA/8h		STEL/15min			
1,300	Country	mg/m3	ppm	mg/m3	nnm		
\/I.Λ	ESP		ppm	884	ppm	SKIN	
VLA		441	100		200		
WEL	GBR	441	100	552	125	SKIN	
VLEP	ITA	442	100	884	200	SKIN	
OEL	EU	442	100	884	200	SKIN	
TLV-ACGIH		87	20				
egend:							

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

HAND PROTECTION

None required.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear airtight protective goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance aerosol

Colour as showed in color folder
Odour characteristic of solvent
Odour threshold Not available
pH Not available
Melting point / freezing point Not available
Initial boiling point Not applicable
Boiling range Not available

Flash point Not applicable Evaporation Rate Not available

Flammability of solids and gases non applicabile per aerosol

Lower inflammability limit
Upper inflammability limit
Not available
Lower explosive limit
Upper explosive limit
Upper explosive limit
Vapour pressure
Vapour density
Relative density
Not available
Not available
Not available
Not available

Solubility solubile in acetone e/o diluente nitro

Partition coefficient: n-octanol/water
Auto-ignition temperature
Decomposition temperature
Viscosity

Not available
Not available
Not available

Explosive properties durante l'uso puo' formare con l'aria miscele esplosive o infiammabili

Revision nr. 9 Dated 30/11/2017

Printed on 12/12/2017

Page n. 9/19

A0092 - ANODAL

Oxidising properties not applicable

9.2. Other information

Total solids (250°C / 482°F) 4,89 %

VOC (Directive 2010/75/EC): 90,80 % - 683,72 g/litre

punto di infiammabilità <0°C densità relativa (peso specifico) 0.900

SECTION 10. Stability and reactivity

10.1. Reactivity

There are no particular risks of reaction with other substances in normal conditions of use.

ACETONE

Decomposes under the effect of heat.

2-BUTOXYETHANOL

Decomposes under the effect of heat.

N-BUTYL ACETATE

Decomposes on contact with: water.

4-HYDROXY-4-METHYLPENTAN-2-ONE

Decomposes at temperatures above 90°C/194°F.

BUTANOL

Attacks various types of plastic materials.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

ACETONE

Risk of explosion on contact with: bromine trifluoride,fluorine dioxide,hydrogen peroxide,nitrosyl chloride,2-methyl-1,3 butadiene,nitromethane,nitrosyl perchlorate.May react dangerously with: potassium tert-butoxide,alkaline hydroxides,bromine,bromoform,isoprene,sodium,sulphur dioxide,chromium trioxide,chromyl chloride,nitric acid,chloroform,peroxymonosulphuric acid,phosphoryl oxychloride,chromosulphuric acid,fluorine,strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

2-BUTOXYETHANOL

May react dangerously with: aluminium, oxidising agents. Forms peroxides with: air.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

| Revision nr. 9 | | Dated 30/11/2017 | | A0092 - ANODAL | Printed on 12/12/2017 | | Page n. 10/19

4-HYDROXY-4-METHYLPENTAN-2-ONE

Risk of explosion on contact with: air,sources of heat. May react dangerously with: alkaline metals, amines, oxidising agents, acids.

XYLENE (MIXTURE OF ISOMERS)

Stable in normal conditions of use and storage.Reacts violently with: strong oxidants,strong acids,nitric acid,perchlorates.May form explosive mixtures with: air.

BUTANOL

Reacts violently developing heat on contact with: aluminium, strong oxidising agents, strong reducing agents, hydrochloric acid. Forms explosive mixtures with: air.

ETHYLBENZENE

Reacts violently with: strong oxidants. Attacks various types of plastic materials. May form explosive mixtures with: air.

10.4. Conditions to avoid

Avoid overheating.

ACETONE

Avoid exposure to: sources of heat,naked flames.

2-BUTOXYETHANOL

Avoid exposure to: sources of heat,naked flames.

N-BUTYL ACETATE

Avoid exposure to: moisture, sources of heat, naked flames.

4-HYDROXY-4-METHYLPENTAN-2-ONE

Avoid exposure to: light, sources of heat, naked flames.

BUTANOL

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

ACETONE

Incompatible with: acids,oxidising substances.

N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

10.6. Hazardous decomposition products

ACETONE

May develop: ketenes,irritant substances.

2-BUTOXYETHANOL

| Revision nr. 9 | | Dated 30/11/2017 | | A0092 - ANODAL | | Printed on 12/12/2017 | | Page n. 11/19

May develop: hydrogen.

ETHYLBENZENE

May develop: methane, styrene, hydrogen, ethane.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

XYLENE (MIXTURE OF ISOMERS)

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; contact with the skin of products containing the substance.

4-HYDROXY-4-METHYLPENTAN-2-ONE

WORKERS: inhalation; contact with the skin.

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

XYLENE (MIXTURE OF ISOMERS)

Toxic effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesl). Is irritating for skin, conjunctiva and respiratory tract.

4-HYDROXY-4-METHYLPENTAN-2-ONE

Acute toxicity causes irritation of the eyes, nose and throat in humans at 100 ppm (476 mg/kg) and pulmonary disorders at 400 ppm. No chronic effects on humans have been reported. The substance may have a depressive effect on the respiratory centres and cause death from respiratory failure.

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

XYLENE (MIXTURE OF ISOMERS)

Intake of alcohol interferes with the metabolism of the substance, inhibiting it. Ethanol consumption (0.8 g/kg) before a 4-hour exposure to xylene vapours (145 and 280 ppm) causes a 50% reduction in the excretion of methyl hippuric acid, whereas the concentration of xylenes in the blood increases approx. 1.5-2 times. At the same time there is an increase in the secondary side effects of the ethanol. The metabolism of the xylenes is increased by phenobarbital and 3-methyl-colantrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with the glycine, which results in a decrease in urinary excretion of methyl hippuric acid. Other industrial products can interfere with the metabolism of xylenes.

N-BUTYL ACETATE

| Revision nr. 9 | | Dated 30/11/2017 | | A0092 - ANODAL | | Printed on 12/12/2017 | | Page n. 12/19

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

LC50 (Inhalation) of the mixture:> 20 mg/l LD50 (Oral) of the mixture:>2000 mg/kg LD50 (Dermal) of the mixture:>2000 mg/kg

XYLENE (MIXTURE OF ISOMERS) 3523 mg/kg Rat LD50 (Oral) 4350 mg/kg Rabbit LD50 (Dermal) 26 mg/l/4h Rat LC50 (Inhalation)

ETHYLBENZENE 3500 mg/kg Rat LD50 (Oral) 15354 mg/kg Rabbit LD50 (Dermal) 17,2 mg/l/4h Rat LC50 (Inhalation)

BUTANOL 790 mg/kg Rat LD50 (Oral) 3400 mg/kg Rabbit LD50 (Dermal) 8000 ppm/4h Rat LC50 (Inhalation)

2-BUTOXYETHANOL 615 mg/kg Rat LD50 (Oral) 405 mg/kg Rabbit LD50 (Dermal) 2,2 mg/l/4h Rat LC50 (Inhalation)

4-HYDROXY-4-METHYLPENTAN-2-ONE 4000 mg/kg Rat LD50 (Oral)

PROPAN-2-OL 4710 mg/kg Rat LD50 (Oral) 12800 mg/kg Rat LD50 (Dermal) 72,6 mg/l/4h Rat LC50 (Inhalation)

N-BUTYL ACETATE > 6400 mg/kg Rat LD50 (Oral) > 5000 mg/kg Rabbit LD50 (Dermal) 21,1 mg/l/4h Rat LC50 (Inhalation)

| Revision nr. 9 | | Dated 30/11/2017 | | Printed on 12/12/2017 | | Page n. 13/19 |

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY ÓR SKIN SENSITISATION

Does not meet the classification criteria for this hazard class

GERM CELL MUTAGENICITY

Does not meet the classification criteria for this hazard class

CARCINOGENICITY

Does not meet the classification criteria for this hazard class

XYLENE (MIXTURE OF ISOMERS)

Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC).

The US Environmental Protection Agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential".

ETHYLBENZENE

Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) - (IARC, 2000).

Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014).

REPRODUCTIVE TOXICITY

Does not meet the classification criteria for this hazard class

STOT - SINGLE EXPOSURE

May cause drowsiness or dizziness

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

ASPIRATION HAZARD

Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

Information not available

12.2. Persistence and degradability

XYLENE (MIXTURE OF

ISOMERS)

Solubility in water 100 - 1000 mg/l

Degradability: information not available

ETHYLBENZENE

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

BUTANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Revision nr. 9 Talken Color Srl Dated 30/11/2017 Printed on 12/12/2017 A0092 - ANODAL Page n. 14/19 Rapidly degradable 4-HYDROXY-4-METHYLPENTAN-2-ONE Solubility in water 1000 - 10000 mg/l Rapidly degradable PROPAN-2-OL Rapidly degradable ACETONE Rapidly degradable N-BUTYL ACETATE Solubility in water 1000 - 10000 mg/l 12.3. Bioaccumulative potential XYLENE (MIXTURE OF ISOMERS) Partition coefficient: n-3,12 octanol/water 25,9 **BCF** ETHYLBENZENE Partition coefficient: n-3,6 octanol/water BUTANOL Partition coefficient: n-1 octanol/water BCF 3,16 2-BUTOXYETHANOL Partition coefficient: n-0,81 octanol/water 4-HYDROXY-4-METHYLPENTAN-2-ONE Partition coefficient: n--0,09 octanol/water PROPAN-2-OL Partition coefficient: n-0,05 octanol/water **ACETONE** Partition coefficient: n--0,23octanol/water

Taiken Color Sri	Revision nr. 9 Dated 30/11/2017
AUU92 - ANODAL	Printed on 12/12/2017 Page n. 15/19

BCF 3

N-BUTYL ACETATE

Partition coefficient: n- 2,3 octanol/water BCF 15,3

12.4. Mobility in soil

XYLENE (MIXTURE OF

ISOMERS)

Partition coefficient: 2,73

soil/water

BUTANOL

Partition coefficient: 0,388

soil/water

N-BUTYL ACETATE

Partition coefficient: < 3

soil/water

12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

CODICE dI SMALTIMENTO PRODOTTO:

contenitori vuoti. CER 150104

contenitori con residui di sostanze etichettate T e/o F: CER 150110 (Rifiuti Speciale Pericoloso).

13.1. Waste treatment methods

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 1950

IATA:

A0092 - ANODAL

Revision nr. 9

Dated 30/11/2017

Printed on 12/12/2017

code: (D)

Packaging

Packaging

130

instructions:

Page n. 16/19

14.2. UN proper shipping name

ADR / RID: **AEROSOLS** IMDG: **AEROSOLS** IATA: AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID: Class: 2 Label: 2.1

IMDG: Class: 2 Label: 2.1

IATA: Class: 2 Label: 2.1



14.4. Packing group

ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: --Limited Tunnel Quantities: 1 restriction

Special Provision: -

IMDG: EMS: F-D, S-U Limited

Quantities: 1

IATA: Cargo: Maximum

quantity: 100 instructions: Kg 130

Pass.: Maximum

quantity: 25

Kg A802

Special Instructions:

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

Information not relevant

SECTION 15. Regulatory information

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

| Revision nr. 9 | | Dated 30/11/2017 | | Printed on 12/12/2017 | | Page n. 17/19 |

Seveso Category - Directive 2012/18/EC: P3a

Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product

Point 40

Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.

Substances subject to authorisarion (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Aerosol 1 Aerosol, category 1
Aerosol 3 Aerosol, category 3

Flam. Liq. 2 Flammable liquid, category 2
Flam. Liq. 3 Flammable liquid, category 3
Acute Tox. 4 Acute toxicity, category 4
Asp. Tox. 1 Aspiration hazard, category 1

STOT RE 2 Specific target organ toxicity - repeated exposure, category 2

Eye Dam. 1 Serious eye damage, category 1

Eye Irrit. 2 Eye irritation, category 2
Skin Irrit. 2 Skin irritation, category 2

A0092 - ANODAL

Revision nr. 9

Dated 30/11/2017

Printed on 12/12/2017

Page n. 18/19

STOT SE 3 Specific target organ toxicity - single exposure, category 3

H222 Extremely flammable aerosol.

H229 Pressurised container: may burst if heated.

H225 Highly flammable liquid and vapour.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

H332 Harmful if inhaled.

H304 May be fatal if swallowed and enters airways.

H373 May cause damage to organs through prolonged or repeated exposure.

H318 Causes serious eye damage. H319 Causes serious eye irritation.

H315 Causes skin irritation.

H335 May cause respiratory irritation. H336 May cause drowsiness or dizziness.

EUH066 Repeated exposure may cause skin dryness or cracking.

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CE NUMBER: Identifier in ESIS (European archive of existing substances)
- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule
- GHS: Globally Harmonized System of classification and labeling of chemicals
- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
- Regulation (EC) 1272/2008 (CLP) of the European Parliament
 Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament
- 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament

Talken Color Srl	Revision nr. 9
	Dated 30/11/2017
A0092 - ANODAL	Printed on 12/12/2017
	Page n. 19/19

- 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- The Merck Index. 10th Edition Handling Chemical Safety
- INRS Fiche Toxicologique (toxicological sheet)
- Patty Industrial Hygiene and Toxicology
- N.I. Sax Dangerous properties of Industrial Materials-7, 1989 Edition
- IFA GESTIS website
- ECHA website
- Database of SDS models for chemicals Ministry of Health and ISS (Istituto Superiore di Sanità) Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses.

Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review: The following sections were modified: 01 / 02 / 03 / 04 / 09 / 11 / 12.