

# Safety Data Sheet

## 1. Identification

### 1.1. Product identifier

Code: V400PRIMER/USA  
 Product name: Primers - Surface Treatment  
 Chemical name and synonym: Spray paint

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

Intended use: Primers (PCP) 0.7 MAX MIR

Identified Uses	Industrial	Professional	Consumer
Industrial Use	✓	-	-
Professional Use	-	✓	-

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

Name: AMBRO-SOL S.R.L.  
 Full address: Via per Pavone del Mella n.21  
 District and Country: 25020 Cigole (BS)  
 Italia

Tel. +39 030 9959674

Fax +39 030 959265

e-mail address of the competent person  
 responsible for the Safety Data Sheet

quality@ambro-sol.com

### 1.4. Emergency telephone number

For urgent inquiries refer to

American Association of Poison Control Centers: +1 (800) 222-1222

## 2. Hazards identification

**Note:** This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

### 2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in OSHA Hazard Communication Standard (HCS) (29 CFR 1910.1200). The product thus requires a safety datasheet.

Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Classification and Hazard Statement

Hazard pictograms:

Aerosol, category 1

Extremely flammable aerosol.

Pressurised gas

Contains gas under pressure; may burst if heated.

Eye irritation, category 2

Causes serious eye irritation.

Specific target organ toxicity - single exposure, category 3

May cause drowsiness or dizziness.



Signal words:

Danger

Hazard statements:

**H222** Extremely flammable aerosol.  
**H280** Contains gas under pressure; may burst if heated.  
**H319** Causes serious eye irritation.  
**H336** May cause drowsiness or dizziness.

Precautionary statements:

Prevention:

**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.  
**P261** Avoid breathing dust / fume / gas / mist / vapours / spray.  
**P280** Wear eye protection / face protection.  
**P271** Use only outdoors or in a well-ventilated area.  
**P264** Wash hands thoroughly after handling.

Response:

**P305+P351+P338** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
**P312** Call a POISON CENTER / doctor / . . . / if you feel unwell.  
**P337+P313** If eye irritation persists: Get medical advice / attention.  
**P304+P340** IF INHALED: remove person to fresh air and keep comfortable for breathing.

Storage:

**P410+P412** Protect from sunlight. Do not expose to temperatures exceeding 50°C / 122°F.  
**P410+P403** Protect from sunlight. Store in a well-ventilated place.  
**P403+P233** Store in a well-ventilated place. Keep container tightly closed.  
**P405** Store locked up.

Disposal:

**P501** Dispose of contents / container in compliance with current regulations.

**2.2. Other hazards**

Environmental classification as for Reg. (EU) 1272/2008 (CLP):

The product is classified as hazardous for environment pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

Classification and Hazard Statement

Hazardous to the aquatic environment, chronic toxicity, category 3

Harmful to aquatic life with long lasting effects.

Hazard statements:

**H412** Harmful to aquatic life with long lasting effects.

Precautionary statements:

Prevention:

**P273** Avoid release to the environment.

Response:

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Storage:

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Disposal:

**P501** Dispose of contents / container in compliance with current regulations.

Additional hazards

**Repeated exposure may cause skin dryness or cracking.**

### 3. Composition/information on ingredients

#### 3.1. Substances

Information not relevant

#### 3.2. Mixtures

Contains:

Identification	Conc. %	Classification:
<b>ACETONE</b>		
CAS 67-64-1	37.97	Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336
EC 200-662-2		
INDEX 606-001-00-8		
<b>PROPANE</b>		
CAS 74-98-6	21.36	Flammable gas, category 1 H220, Liquefied gas H280
EC 200-827-9		
INDEX 601-003-00-5		
<b>BUTANE</b>		
CAS 106-97-8	9.15	Flammable gas, category 1 H220, Liquefied gas H280
EC 203-448-7		
INDEX 601-004-00-0		
<b>N-BUTYL ACETATE</b>		
CAS 123-86-4	7.86	Flammable liquid, category 3 H226, Specific target organ toxicity - single exposure, category 3 H336
EC 204-658-1		
INDEX 607-025-00-1		
<b>METHYL ACETATE</b>		
CAS 79-20-9	3.89	Flammable liquid, category 2 H225, Eye irritation, category 2 H319, Specific target organ toxicity - single exposure, category 3 H336
EC 201-185-2		
INDEX 607-021-00-X		
<b>2-BUTOXYETHANOL</b>		
CAS 111-76-2	2.87	Flammable liquid, category 4 H227, Acute toxicity, category 4 H302, Acute toxicity, category 4 H312, Acute toxicity, category 4 H332, Eye irritation, category 2 H319, Skin irritation, category 2 H315

EC 203-905-0

INDEX 603-014-00-0

**TALC**

CAS 69012-64-2

2.78

Acute toxicity, category 4 H332, Specific target organ toxicity - single exposure, category 3 H335

EC 273-761-1

INDEX 606-005-00-X

**XYLENE (MIXTURE OF ISOMERS)**

CAS 1330-20-7

1.74

Flammable liquid, category 3 H226, Acute toxicity, category 4 H312, Acute toxicity, category 4 H332, Skin irritation, category 2 H315

EC 215-535-7

INDEX 601-022-00-9

**2-METHOXY-1-METHYLETHYL ACETATE**

CAS 108-65-6

1.1

Flammable liquid, category 3 H226

EC 203-603-9

INDEX 607-195-00-7

**TRIZINC BIS (ORTHOPHOSPHATE)**

CAS 7779-90-0

0.42

Hazardous to the aquatic environment, acute toxicity, category 1 H400 M=1, Hazardous to the aquatic environment, chronic toxicity, category 1 H410 M=1

EC 231-944-3

INDEX 030-011-00-6

**METHANOL**

CAS 67-56-1

0.17

Flammable liquid, category 2 H225, Acute toxicity, category 3 H301, Acute toxicity, category 3 H311, Acute toxicity, category 3 H331, Specific target organ toxicity - single exposure, category 1 H370

EC 200-659-6

INDEX 603-001-00-X

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

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: 30.51 %

## 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 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

**SKIN:** Remove contaminated clothing. Wash immediately with plenty of water. If irritation persists, get medical advice/attention. Wash contaminated clothing before using it again.

**INHALATION:** Remove to open air. In the event of breathing difficulties, get medical advice/attention immediately.

**INGESTION:** Get medical advice/attention. Induce vomiting only if indicated by the doctor. Never give anything by mouth to an unconscious person, unless authorised by a doctor.

### 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

## 5. Fire-fighting 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 open circuit positive pressure compressed air breathing apparatus (BS EN 137).

## 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.

## 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)**

Information not available

**8. Exposure controls/personal protection**

**8.1. Control parameters**

Regulatory References:

USA	NIOSH-REL	NIOSH publication No. 2005-149, 3th printing, 2007.
USA	OSHA-PEL	Occupational Exposure Limits - Limits for Air Contaminants TABLE Z-1-1910.1000.
USA	CAL/OSHA-PEL	California Division of Occupational Safety and Health (Cal-OSHA) Permissible Exposure Limits (PELs).
EU	OEL EU	Directive (EU) 2017/2398; 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 2018

**ACETONE**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	250		500	
OEL	EU	1210	500		
OSHA	USA	2400	1000		
CAL/OSHA	USA	1200	500	1780 (C)	3000 (C)
NIOSH	USA	590	250		

**PROPANE**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-		1000		
OSHA	USA	1800	1000		
CAL/OSHA	USA	1800	1000		
NIOSH	USA	1800	1000		

**BUTANE**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-		1000		
CAL/OSHA	USA	1.9	800		
NIOSH	USA	1900	800		

**N-BUTYL ACETATE**

**Threshold Limit Value**

**V400PRIMER/USA – Primers - Surface Treatment**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	713	150	950	200
OSHA	USA	710	150		
CAL/OSHA	USA	710	150	950	200
NIOSH	USA	710	150	950	200

**METHYL ACETATE**  
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	606	200	757	250
OSHA	USA	610	200		
CAL/OSHA	USA	610	200	760	250
NIOSH	USA	610	200	760	250

**2-BUTOXYETHANOL**  
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH	-	97	20			
OEL	EU	98	20	246	50	SKIN
OSHA	USA	240	50			SKIN
CAL/OSHA	USA	97	20			SKIN
NIOSH	USA	24	5			SKIN

**TALC**  
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min	
		mg/m3	ppm	mg/m3	ppm
TLV-ACGIH	-	2			

**XYLENE (MIXTURE OF ISOMERS)**  
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH	-	434	100	651	150	
OEL	EU	221	50	442	100	SKIN
OSHA	USA	435	100			
CAL/OSHA	USA	435	100	655 (C)	3000 (C)	

**2-METHOXY-1-METHYLETHYL ACETATE**  
**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
OEL	EU	275	50	550	100	SKIN
CAL/OSHA	USA	541	100	811	150	SKIN

**METHANOL**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH	-	262	200	328	250	
OEL	EU	260	200			SKIN
OSHA	USA	260	200			
CAL/OSHA	USA	260	200	325 (C)	1000 (C)	SKIN
NIOSH	USA	260	200	325	250	SKIN

**Methyl formed**

**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		
		mg/m3	ppm	mg/m3	ppm	
TLV-ACGIH	-	246	100	0	0	
OSHA	USA	250	100			
CAL/OSHA	USA	250	100	375	150	
NIOSH	USA	250	100	375	150	

Legend:

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

TLV of solvent mixture: 268 mg/m3

**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. Personal protective equipment must comply with current regulations.

**HAND PROTECTION**

None required.

**SKIN PROTECTION**

Wear category I professional long-sleeved overalls and safety footwear. Wash body with soap and water after removing protective clothing.

**EYE PROTECTION**

Wear airtight protective goggles (OSHA 29 CFR 1910.133).

**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 NIOSH certified combined filter should be worn (NIOSH 42 CFR 84, OSHA 29 CFR 1910.134).

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.



Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

## 9. Physical and chemical properties

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

Appearance	aerosol
Colour	various
Odour	characteristic of solvent
Odour threshold	Not available
pH	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	< 0 °C
Evaporation Rate	Not available
Flammability of solids and gases	flammable gas
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	0,71 ÷ 0,75 g/ml
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	not applicable
Oxidising properties	not applicable

### 9.2. Other information

Total solids (250°C / 482°F)	13,81 %
VOC content	0.51 MAX MIR

## 10. Stability and reactivity

### 10.1. Reactivity

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

#### N-BUTYL ACETATE

Decomposes on contact with: water.

#### 2-BUTOXYETHANOL

Decomposes under the effect of heat.

#### 2-METHOXY-1-METHYLETHYL ACETATE

Stable in normal conditions of use and storage. On contact with: strong oxidising agents.

**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.

## 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.

## 2-BUTOXYETHANOL

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

## 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.

## 2-METHOXY-1-METHYLETHYL ACETATE

May react violently with: oxidising substances, strong acids, alkaline metals.

**10.4. Conditions to avoid**

Avoid overheating.

## ACETONE

Avoid exposure to: sources of heat, naked flames.

## N-BUTYL ACETATE

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

## 2-BUTOXYETHANOL

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.

##### 2-BUTOXYETHANOL

Keep away from: strong oxidants.

##### 2-METHOXY-1-METHYLETHYL ACETATE

Incompatible with: oxidising substances,strong acids,alkaline metals.

#### 10.6. Hazardous decomposition products

##### ACETONE

May develop: ketenes,irritant substances.

##### 2-BUTOXYETHANOL

May develop: hydrogen.

## 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

METHANOL

WORKERS: inhalation; contact with the skin.

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

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

METHANOL

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

Interactive effects

Information not available

ACUTE TOXICITY

XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral) 3523 mg/kg Rat

LD50 (Dermal) 4350 mg/kg Rabbit

LC50 (Inhalation) 26 mg/l/4h Rat

2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral) 8530 mg/kg Rat

LD50 (Dermal) &gt; 5000 mg/kg Rat

PROPANE

LC50 (Inhalation) 800000 ppm 15 min

2-BUTOXYETHANOL

LD50 (Oral) 615 mg/kg Rat

LD50 (Dermal) 405 mg/kg Rabbit

LC50 (Inhalation) 2.2 mg/l/4h Rat

N-BUTYL ACETATE

**V400PRIMER/USA – Primers - Surface Treatment**

LD50 (Oral) > 6400 mg/kg Rat

LD50 (Dermal) > 5000 mg/kg Rabbit

LC50 (Inhalation) 21.1 mg/l/4h Rat

TRIZINC BIS (ORTHOPHOSPHATE)

LD50 (Oral) > 5000 mg/kg Rat - Wistar

LD50 (Dermal) 522 mg/kg rat

LC50 (Inhalation) > 5.7 mg/l Rat

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking.  
Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation

RESPIRATORY OR 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

Carcinogenicity Assessment:

67-64-1ACETONE

ACGIH:: A4

111-76-22-BUTOXYETHANOL

ACGIH:: A3

IARC:3

69012-64-2TALC

ACGIH:: A1

1330-20-7XYLENE (MIXTURE OF ISOMERS)

ACGIH:: A4

IARC:3

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

Does not meet the classification criteria for this hazard class

## 12. Ecological information

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment.

### 12.1. Toxicity

#### TRIZINC BIS (ORTHOPHOSPHATE)

LC50 - for Fish	0.78 mg/l/96h Pimephales promelas
EC50 - for Crustacea	0.86 mg/l/48h Daphnia magna
Chronic NOEC for Fish	720 µg/l 84 days
Chronic NOEC for Crustacea	1.71 mg/l 48 h
Chronic NOEC for Algae / Aquatic Plants	300 µg/l 3 months

### 12.2. Persistence and degradability

#### PROPANE

Global Warming Potential (GWP): 3. Ozone Depletion Potential (ODP): 0.

#### XYLENE (MIXTURE OF ISOMERS)

Solubility in water	100 - 1000 mg/l
Degradability: information not available	

#### TALC

Solubility in water	< 0.1 mg/l
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#### 2-METHOXY-1-METHYLETHYL ACETATE

Solubility in water	> 10000 mg/l
Rapidly degradable	

#### BUTANE

Solubility in water	0.1 - 100 mg/l
Rapidly degradable	

#### PROPANE

Solubility in water	0.1 - 100 mg/l
Rapidly degradable	

#### METHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

#### 2-BUTOXYETHANOL

Solubility in water 1000 - 10000 mg/l

Rapidly degradable

#### ACETONE

Rapidly degradable

#### METHYL ACETATE

Solubility in water 243500 mg/l

Rapidly degradable

#### N-BUTYL ACETATE

Solubility in water 1000 - 10000 mg/l

#### TRIZINC BIS (ORTHOPHOSPHATE)

Solubility in water 2.7 mg/l

Degradability: information not available

### 12.3. Bioaccumulative potential

#### XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: n-octanol/water 3.12

BCF 25.9

#### 2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: n-octanol/water 1.2

#### BUTANE

Partition coefficient: n-octanol/water 1.09

#### PROPANE

Partition coefficient: n-octanol/water 1.09

#### METHANOL

Partition coefficient: n-octanol/water -0.77

BCF 0.2

#### 2-BUTOXYETHANOL

Partition coefficient: n-octanol/water 0.81

#### ACETONE

Partition coefficient: n-octanol/water -0.23

BCF 3

## METHYL ACETATE

Partition coefficient: n-octanol/water 0.18

## N-BUTYL ACETATE

Partition coefficient: n-octanol/water 2.3

BCF 15.3

**12.4. Mobility in soil**

## XYLENE (MIXTURE OF ISOMERS)

Partition coefficient: soil/water 2.73

## METHYL ACETATE

Partition coefficient: soil/water 0.18

## N-BUTYL ACETATE

Partition coefficient: soil/water &lt; 3

**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

**13. Disposal considerations****13.1. Waste treatment methods**

Reuse, when possible. Neat product residues should be considered special non-hazardous waste.

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

**CONTAMINATED PACKAGING**

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

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA).

Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers.

Do not puncture or incinerate containers, even empty. Do not allow to enter waterways, wastewater, soil, storm drains or sewer systems. Dispose of in accordance with Federal, State/Provincial, and Local regulations regarding pollution.

**14. Transport information****14.1. UN number**

ADR / RID, IMDG, 1950  
IATA:

**14.2. UN proper shipping name**

ADR / RID: AEROSOLS  
IMDG: AEROSOLS



V400PRIMER/USA – Primers - Surface Treatment

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 Quantities: 1 L	Tunnel restriction code: (D)
	Special Provision: -		
IMDG:	EMS: F-D, S-U	Limited Quantities: 1 L	
IATA:	Cargo:	Maximum quantity: 150 Kg	Packaging instructions: 203
	Pass.:	Maximum quantity: 75 Kg	Packaging instructions: 203
	Special Instructions:	A145, A167, A802	

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

Information not relevant

15. Regulatory information

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

U.S. Federal Regulations

TSCA:

Clean Air Act Section 112(b):

**V400PRIMER/USA – Primers - Surface Treatment**

1330-20-7

XYLENE (MIXTURE OF ISOMERS)

67-56-1

METHANOL

Clean Air Act Section 602 Class I Substances:

No component(s) listed.

Clean Air Act Section 602 Class II Substances:

No component(s) listed.

Clean Water Act –  
Priority Pollutants:

No component(s) listed.

Clean Water Act –  
Toxic Pollutants:

7779-90-0

TRIZINC BIS (ORTHOPHOSPHATE)  
(Zinc compounds)

DEA List I Chemicals (Precursor Chemicals):

No component(s) listed.

DEA List II Chemicals (Essential Chemicals):

EPA List of Lists:

313 Category Code:

67-64-1

ACETONE

1330-20-7

XYLENE (MIXTURE OF ISOMERS)

7779-90-0

TRIZINC BIS (ORTHOPHOSPHATE)  
(Zinc compounds)

67-56-1

METHANOL

EPCRA 302 EHS TPQ:

No component(s) listed.

EPCRA 304 EHS RQ:

No component(s) listed.

CERCLA RQ:

67-64-1

ACETONE

123-86-4

N-BUTYL ACETATE

1330-20-7

XYLENE (MIXTURE OF ISOMERS)

67-56-1

METHANOL

EPCRA 313 TRI:

**V400PRIMER/USA – Primers - Surface Treatment**

1330-20-7	XYLENE (MIXTURE OF ISOMERS)
7779-90-0	TRIZINC BIS (ORTHOPHOSPHATE)
67-56-1	(Zinc compounds)
	METHANOL

RCRA Code:

67-64-1	ACETONE
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
67-56-1	METHANOL

CAA 112 (r) RMP TQ:

74-98-6	PROPANE (Alkanes, Alkanes (aliphatic hydrocarbon alkanes, C1- C4))
106-97-8	BUTANE (Alkanes)
107-31-3	Methyl formed

State Regulations

Massachussetts:

67-64-1	ACETONE
74-98-6	PROPANE (Alkanes, Alkanes (aliphatic hydrocarbon alkanes, C1- C4))
106-97-8	BUTANE (Alkanes)
123-86-4	N-BUTYL ACETATE
79-20-9	METHYL ACETATE
111-76-2	2-BUTOXYETHANOL
69012-64-2	TALC
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
67-56-1	METHANOL

Minnesota:

67-64-1	ACETONE
74-98-6	PROPANE (Alkanes, Alkanes (aliphatic hydrocarbon alkanes, C1- C4))
106-97-8	BUTANE (Alkanes)
123-86-4	N-BUTYL ACETATE
79-20-9	METHYL ACETATE
111-76-2	2-BUTOXYETHANOL
69012-64-2	TALC
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
67-56-1	METHANOL

New Jersey:

67-64-1	ACETONE
74-98-6	PROPANE (Alkanes, Alkanes (aliphatic hydrocarbon alkanes, C1- C4))
106-97-8	BUTANE (Alkanes)
123-86-4	N-BUTYL ACETATE

**V400PRIMER/USA – Primers - Surface Treatment**

79-20-9	METHYL ACETATE
111-76-2	2-BUTOXYETHANOL
69012-64-2	TALC
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
7779-90-0	TRIZINC BIS (ORTHOPHOSPHATE) (Zinc compounds)
7779-90-0	TRIZINC BIS (ORTHOPHOSPHATE) (Zinc compounds)
67-56-1	METHANOL

New York:

67-64-1	ACETONE
123-86-4	N-BUTYL ACETATE
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
67-56-1	METHANOL

Pennsylvania:

67-64-1	ACETONE
74-98-6	PROPANE (Alkanes, Alkanes (aliphatic hydrocarbon alkanes, C1- C4))
106-97-8	BUTANE (Alkanes)
123-86-4	N-BUTYL ACETATE
79-20-9	METHYL ACETATE
111-76-2	2-BUTOXYETHANOL
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
67-56-1	METHANOL

California:

67-64-1	ACETONE
106-97-8	BUTANE (Alkanes)
123-86-4	N-BUTYL ACETATE
79-20-9	METHYL ACETATE
111-76-2	2-BUTOXYETHANOL
1330-20-7	XYLENE (MIXTURE OF ISOMERS)
7779-90-0	TRIZINC BIS (ORTHOPHOSPHATE) (Zinc compounds)
67-56-1	METHANOL

Proposition 65:

WARNING! This product contains chemicals known to the State of California to cause cancer and birth defects or reproductive harm.

67-56-1	METHANOL D
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International Regulations

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

Canadian WHMIS

Information not available

**16. Other information**

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

<b>H220</b>	Extremely flammable gas.
<b>H222</b>	Extremely flammable aerosol.
<b>H225</b>	Highly flammable liquid and vapour.
<b>H226</b>	Flammable liquid and vapour.
<b>H227</b>	Combustible liquid.
<b>H280</b>	Contains gas under pressure; may burst if heated.
<b>H301</b>	Toxic if swallowed.
<b>H311</b>	Toxic in contact with skin.
<b>H331</b>	Toxic if inhaled.
<b>H370</b>	Causes damage to organs.
<b>H302</b>	Harmful if swallowed.
<b>H312</b>	Harmful in contact with skin.
<b>H332</b>	Harmful if inhaled.
<b>H319</b>	Causes serious eye irritation.
<b>H315</b>	Causes skin irritation.
<b>H335</b>	May cause respiratory irritation.
<b>H336</b>	May cause drowsiness or dizziness.
<b>H400</b>	Very toxic to aquatic life.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.

## LEGEND:

- 313 CATEGORY CODE: Emergency Planning and Community Right-to Know Act Section 313 Category Code
- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- CAA 112 © RMP TQ: Risk Management Plan Threshold Quantity (Clean Air Act Section 112©)
- CAS NUMBER: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect)
- CERCLA RQ: Reportable Quantity (Comprehensive Environment Response, Compensation, and Liability Act)
- CLP: EC Regulation 1272/2008
- DEA: Drug Enforcement Administration
- EmS: Emergency Schedule
- EPA: US Environmental Protection Agency
- EPCRA: Emergency Planning and Community Right-to Know Act
- EPCRA 302 EHS TPQ: Extremely Hazardous Substance Threshold Planning Quantity (Section 302 Category Code)
- EPCRA 304 EHS RQ: Extremely Hazardous Substance Reportable Quantity (Section 304 Category Code)
- EPCRA 313 TRI: Toxics Release Inventory (Section 313 Category Code)
- 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
- LC50: Lethal Concentration 50%

**V400PRIMER/USA – Primers - Surface Treatment**

- LD50: Lethal dose 50%
- OEL: Occupational Exposure Level
- PEL: Predicted exposure level
- RCRA Code: Resource Conservation and Recovery Act Code
- REL: Recommended exposure limit
- 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.
- TSCA: Toxic Substances Control Act
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- WHMIS: Workplace Hazardous Materials Information System.

## GENERAL BIBLIOGRAPHY:

- GHS rev. 3
- The Merck Index. 10th Edition
- Handling Chemical Safety
- Niosh - Registry of Toxic Effects of Chemical Substances
- INRS - Fiche Toxicologique (toxicological sheet)
- Patty - Industrial Hygiene and Toxicology
- N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition
- ECHA website
- Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy
- 6 NYCRR part 597
- Cal/OSHA website
- California Safe Drinking Water and Toxic Enforcement Act
- EPA website
- Hazard Communication Standard (HCS 2012)
- IARC website
- List Of Lists EPA: Consolidated List of Chemicals Subject to EPCRA, CERCLA and Section 112® of the Clean Air Act
- Massachusetts 105 CMR Department of public health 670.000: "Right to Know"
- Minnesota Chapter 5206 Department Of Labor and Industry Hazardous Substances, Employee "Right to Know".
- New Jersey Worker and Community Right to know Act N.J.S.A.
- NTP. 2011. Report on Carcinogens, 12th Edition.
- OSHA website
- Pennsylvania, Hazardous Substance List, Chapter 323

## 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:

11 / 12.