

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

- **Product identifier**
- **Trade name: PRIMER 61**
- **Relevant identified uses of the substance or mixture and uses advised against:**
Use: The acryl filler. For professional use in car refinish.
- **Details of the supplier of the safety data sheet**
- **Manufacturer / Supplier:**
Abcon Products Ltd
CavMac Hose Building, Cavan Road, Cootehill, Co Cavan
Phone: +353 49 555 2340 Fax: +353 49 555 2312
sales@abconireland.com
- **Further information obtainable from:**
sales@abconireland.com
- **Emergency telephone number:**
Phone: +353 49 555 2340

2. Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Directive 67/548/EEC**



Xn Harmful
R 20/21 Harmful by inhalation and in contact with skin



Xi Irritant
R 38 Irritating to skin



N Dangerous for the environment
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 10 Flammable

- **Information concerning particular hazards for human and environmental:**
Vapours of product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration. Heightened risk of fire and danger of explosion at accumulation in lower-lying or closed rooms. Contact with skin and inhalation of aerosols/ vapours of the preparation should be avoided. At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent. Has a narcotizing effect.
The product has to be labeled due to the calculation procedure of the "General Classification guideline for preparations"

- **Label elements**
- **Labelling according to EU guidelines:**
The product has been classified and marked in accordance with EU Directives/ Ordinance on Hazardous Materials
- **Code letter and hazard designation of product:**



Xn Harmful



N Dangerous for the environment

- **Risk phrases:**
R 10 Flammable.
R 20/21 Harmful by inhalation and in contact with skin.
R 38 Irritating to skin
R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

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- Safety phrases:**

S 23 Do not breathe fumes/ aerosol.

S 24 Avoid contact with skin.

S 36/37 Wear suitable protective clothing and gloves..

S 51 Use only in well ventilated areas.

S 61 Avoid release to the environment. Refer to special instructions/safety data sheet.

- Hazard-determining components of labelling:**

xylene

.....

- Other hazards**

- Results of PBT and vPvB assessment**

- PBT:** Not applicable.

- vPvB:** Not applicable.

3. Composition / information on ingredients

- Chemical characterization: Mixtures**

- Description:**

Mixture of substance listed below with nonhazardous additions.

Dangerous components:		
CAS: 1330-20-7 EINECS: 215-535-7	xylene Xn, Xi; R 10-20/21-38 Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-15 %
EINECS: 905-562-9 REG NO: 01-2119555267-33	reaction mass of ethylbenzene and m-xylene and p-xylene Xn, Xi; R 10-20/21-38 Flam. Liq. 3, H226; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	5-15 %
CAS: 108-65-6 EINECS: 203-603-9 REG NO: 01-2119475791-29	2-methoxy-1-methylethyl acetate R 10 Flam. Liq. 3, H226	2,5-10 %
CAS: 123-86-4 EINECS: 204-658-1 REG NO: 01-2119485493-29	n-butyl acetate R 10-66-67 Flam. Liq. 3, H226; STOT SE 3, H336	2,5-10 %
CAS: 110-43-0 EINECS: 203-767-1 REG NO: 01-2119902391-49	heptan-2-one Xn; R 10-20/22 Flam. Liq. 3, H226; Acute Tox. 4, H332; Acute Tox. 4, H302	1-5 %
CAS: 112-07-2 EINECS: 203-933-3 REG NO: 01-2119475112-47	2-butoxyethyl acetate Xn; R 20/21 Acute Tox. 4, H312; Acute Tox. 4, H332	1-5 %
EINECS: 918-668-5 REG NO: 01-2119455851-35	hydrocarbons, C9, aromatics Xn, Xi, N; R 10-37-51/53-65-66-67 Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335+H336	1- 5 %
CAS: 7779-90-0 EINECS: 231-944-3	trizinc bis(orthophosphate) N; R 50-53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	0,5-2 %
CAS: 1314-13-2 EINECS: 215-222-5	zinc oxide N; R 50-53 Aquatic Acute 1, H400; Aquatic Chronic 1, H410	< 0,5 %

- Additional information: For the wording of the listed risk phrases refer to section 16.**

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4. First aid measures

- **Description of first aid measures**

- **General information:**

Personal protection for the First Aider. Take affected persons out of danger area and lay down. In case of irregular breathing or respiratory arrest provide artificial respiration. Immediately remove any clothing soiled by the product. Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

- **After inhalation:**

Supply fresh air. Consult doctor if symptoms persist. In case of unconsciousness place patient stably in side position for transportation.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor. Use skin protection cream for skin protection.

- **After eye contact:**

Rinse opened eye for several minutes under running water. Then consult a doctor.

- **After swallowing:**

Rinse out mouth. Do not induce vomiting: call for medical immediately.

- **Most important symptoms and effects, both acute and delayed**

Vapours are harmful to mucous membranes of the respiratory system. They cause pains and the giddiness, nausea, vomiting. When significant concentrations of vapor or directly entering the eyes may experience mild irritation, redness, tearing, burning, pain. Product ingestion causes abdominal pain, vomiting. May experience disorders of the nervous system, chronic conjunctivitis, and sometimes smell disorders, inflammation of upper respiratory tract with pain in the throat, chronic skin inflammation. Irritating to skin.

- **Indication of any immediate medical attention and special treatment needed**

The workplace should be equipped with a shower and eye wash position.

5. Firefighting measures

- **Extinguishing media**

- **Suitable extinguishing agents:**

CO₂, powder or water spray. Fight larger with water spray or alcohol resistant foam.

- **For safety reasons unsuitable extinguishing agents:** Water with full jet.

- **Special hazards arising from the substance or mixture**

Carbon monoxide and carbon dioxide.

Formation of toxic gases is possible during heating or in case of fire.

Can form explosive gas-air mixtures.

- **Advice for firefighters**

• **Protective equipment:** Wear self-contained respiratory protective devices. Wear full protective suit.

- **Additional information:**

Cool endangered receptacles with water spray.

Remove undamaged containers from the danger zone.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

Dispose of fire debris and contaminated fire fighting water in accordance with official regulation.

6. Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**

- **Person-related safety precautions:**

Wear protective equipment. Keep unprotected person away. Ensure adequate ventilation. Keep away from ignition sources. Use respiratory protective device against the effects of fumes/dust/aerosol. Avoid contact with the eyes and skin.

- **Environmental precautions**

Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

- **Methods and material for containment and cleaning up**

Ensure adequate ventilation. Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Reference to other sections

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

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7. Handling and storage

- **Precautions for safe handling**

Ensure good ventilation/ exhaustion at the workplace. Do not inhale gases/ fumes/ aerosols. Avoid contact with the eyes and skin. Use respiratory protective device against the effects of fumes/dust/aerosol. Adhere to the workplace limit values and / or other threshold values.

- **Information about fire- and explosion protector:**

Vapours of the product are heavier than air and may accumulate on the ground, in mines, drains or cellars with higher concentration. Fumes can combine with air to form an explosive mixture. Fumes can combine with air to form an explosive mixture. Keep ignition sources away – Do not smoke. Anti-explosion protection required. Protect against electrostatic charges.

- **Conditions for safe storage, including any incompatibilities**

- **Storage:**

- **Requirements to be met by storerooms and receptacles:**

Store only in original receptacle. Adhere to the provisions of the Low on Water Protection.

- **Information about storage in use common storage facility:**

Store away from foodstuffs. Pls. refer to section 10

- **Further information about storage conditions:**

Store in cool, dry conditions in well sealed receptacles. Protect from heat and direct sunlight. Store receptacle in a well ventilated areas. Protect from humidity and water. Keep ignition sources away - Do not smoke.

- **Specific end use(s)**

No information about the applications other than those mentioned in section 1.

8. Exposure controls / personal protection

- **Additional information about design of technical facilities.** No further data: see item 7

- **Control parameters**

Ingredients with limit values that require monitoring at the workplace:	
1330-20-7 xylene	
WEL (Great Britain)	Short-term value: 441 mg/m ³ , 100 ppm Long-term value: 220 mg/m ³ , 50 ppm Sk; BMGV
IOELV (EU)	Short-term value: 442 mg/m ³ , 100 ppm Long-term value: 221 mg/m ³ , 50 ppm Skin
108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
IOELV (EU)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin
123-86-4 n-butyl acetate	
WEL (Great Britain)	Short-term value: 966 mg/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
110-43-0 heptan-2-one	
WEL (Great Britain)	Short-term value: 475 mg/m ³ , 100 ppm Long-term value: 237 mg/m ³ , 50 ppm Sk
IOELV (EU)	Short-term value: 475 mg/m ³ , 100 ppm Long-term value: 238 mg/m ³ , 50 ppm Skin
112-07-2 2-butoxyethyl acetate	
WEL (Great Britain)	Short-term value: 332 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm Sk
IOELV (EU)	Short-term value: 333 mg/m ³ , 50 ppm Long-term value: 133 mg/m ³ , 20 ppm Skin

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100-41-4 ethylbenzene	
WEL (Great Britain)	Short-term value: 552 mg/m ³ , 125 ppm Long-term value: 441 mg/m ³ , 100 ppm Sk
IOELV (EU)	Short-term value: 884 mg/m ³ , 200 ppm Long-term value: 442 mg/m ³ , 100 ppm Skin
108-83-8 2,6-dimethylheptan-4-one	
WEL (Great Britain)	Long-term value: 148 mg/m ³ , 25 ppm
1333-86-4 carbon black	
WEL (Great Britain)	Short-term value: 7 mg/m ³ Long-term value: 3,5 mg/m ³
14807-96-6 talc	
WEL (Great Britain)	Respirable dust: Long-term value: 1 mg/m ³
13463-67-7 titanium dioxide	
WEL (Great Britain)	Total inhalable: Long-term value: 10 mg/m ³ Respirable: Long-term value: 4 mg/m ³
471-34-1 calcium carbonate	
WEL (Great Britain)	Inhalable dust: Long-term value: 10 mg/m ³ Respirable: Long-term value: 4 mg/m ³

- **Additional information:** The lists valid during the making were used as basis.

- **2-methoxy-1-methylethyl acetate**

DNEL - workers, long-term - inhalation, systemic effects - 275 mg/m³
 DNEL - workers, long-term - dermal, systemic effects - 153,5 mg/kg bw
 PNEC - freshwater environment - 0,635 mg/l
 PNEC - marine environment - 0,0635 mg/l
 PNEC - intermittent releases - 6,35mg/l
 PNEC - sewage treatment plants - 100 mg/l
 PNEC - freshwater sediment environment - 3,29 mg/l
 PNEC - marine sediment environment - 0,329 mg/l
 PNEC - soil 0,29 mg/kg

- **n-butyl acetate**

DNEL - workers, long-term - dermal - 7 mg/kg bw/day
 DNEL - workers, long-term - inhalation - 48 mg/m³
 PNEC - freshwater environment - 0,18 mg/l
 PNEC - marine environment - 0,018 mg/l
 PNEC - intermittent releases - 0,36 mg/l
 PNEC - sewage treatment plants - 35,6 mg/l
 PNEC - freshwater sediment environment - 0,981 mg/kg
 PNEC - marine sediment environment - 0,0981 mg/l
 PNEC - soil - 0,0903 mg/kg

- **heptan-2-one**

DNEL - workers, long-term - inhalation, systemic effects - 394,25 mg/m³
 DNEL - workers, long-term - dermal, systemic effects - 54,27 mg/kg bw
 DNEL - workers, acute - inhalation, systemic effects - 1516 mg/m³
 PNEC - freshwater environment - 0,0982 mg/l
 PNEC - marine environment - 0,00982 mg/l
 PNEC - intermittent releases - 0,982 mg/l
 PNEC - sewage treatment plants - 12,5 mg/l
 PNEC - freshwater sediment environment - 1,89 mg/l
 PNEC - marine sediment environment - 0,189 mg/l

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PNEC - soil 0,321 mg/kg

- **2-butoxyethyl acetate**
- DNEL - workers, acute - inhalation, systemic effects - 775 mg/m³
- DNEL - workers, acute - dermal, systemic effects - 102 mg/kg bw/day
- DNEL - workers, acute - inhalation, local effects - 333 mg/m³
- DNEL - workers, long-term - inhalation, systemic effects - 133 mg/m³
- DNEL - workers, long-term - dermal, systemic effects - 102 mg/kg bw/day
- PNEC - freshwater environment - 0,304 mg/l
- PNEC - marine environment - 0,0304 mg/l
- PNEC - intermittent releases - 0,56 mg/l
- PNEC - sewage treatment plants - 90 mg/l
- PNEC - freshwater sediment environment - 2,03 mg/l
- PNEC - marine sediment environment - 0,203 mg/l
- PNEC - soil 0,68 mg/kg

- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**

The usual precautionary measures are to be adhered to when handling chemicals. Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing. Do not eat, drink, smoke or sniff while working. Do not inhale gases/ fumes/ aerosols. Avoid contact with the eyes and skin. Wash hands before breaks and at the end of work.

- **Respiratory protection:**

Adhere to the workplace limit values and / or other threshold values. Use self-contained respiratory protection device, filter A/P2.

- **Protection of hands:**

To avoid skin problems reduce the wearing of gloves to the required minimum. Check the permeability prior to each renewed use of the gloves. The glove material has to be impermeable and resistant to the product / the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Wear suitable gloves tested to EN 374.

- **Material of gloves:**

Nitrile rubber, NBR

The selection of the suitable gloves does not only depend on the material but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material cannot be calculated in advance and has therefore to be checked prior to the application.

- **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

- **Eye protection:**

Tightly sealed goggles

- **Body protection:** Protective work clothing.

9. Physical and chemical properties

- **Information on basic physical and chemical properties**
- **Appearance**
 - Form:** Highly viscous
 - Color:** Grey
- **Odour** Characteristic
- **Odour threshold** Undetermined
- **pH** Undetermined
- **Melting point/ freezing point** Undetermined
- **Initial boiling point and boiling range** Undetermined
- **Flash point** > 23 °C
- **Evaporation rate** Undetermined
- **Flammability** The mixture is flammable
- **Upper/lower flammability or explosive limits** Undetermined
- **Vapour pressure** Undetermined
- **Vapour density** Undetermined
- **Relative density** 1,3-1,4 at 20 °C
- **Solubility(ies)** Not miscible or difficult to mix in water.
- **Partition coefficient: n-octanol/water** Undetermined

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- **Auto-ignition temperature** ~ 330 °C
- **Decomposition temperature** Undetermined
- **Viscosity** > 19 s (ISO 4 mm)
- **Explosive properties** Product is not explosive. However, formation of explosive air/ vapour mixtures is possible
- **Oxidising properties** Product is not oxidising.
- **Other information**
Not available

10. Stability and reactivity

- **Reactivity**
No reactivity if used according to specifications.
- **Chemical stability**
Stable under normal conditions of use and storage.
- **Possibility of hazardous reactions**
Fumes can combine with air to form an explosive mixture.
- **Conditions to avoid**
High temperature, ignition sources, open flame.
- **Incompatible materials**
Oxidizing agents, alcohols, amines, aqueous acids and alkalis.
- **Hazardous decomposition products**
Carbon monoxide and carbon dioxide. Formation of toxic gases is possible during heating or in case of fire.

11. Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

LD/ LC50 values relevant for classification:		
xylene		
Oral	LDL0	50 mg/kg
Oral	LD50	> 4300 mg/kg (rat)
Inhalative	LD50/4 h	5000 ppm (rat)
7779-90-0 trizinc bis(orthophosphate)		
Oral	LD50	>5000 mg/kg (rat)
1314-13-2 zinc oxide		
Oral	LD50	> 5000 mg/kg (rat)

- **Primary irritant effect:**
- **On the skin:** Irritant to skin and mucous membranes. Repeated exposure may cause skin dryness or cracking.
- **On the eye:** Irritating effect.
- **Additional toxicological information:**
Vapours may cause drowsiness and dizziness. Has a narcotizing effect.

12. Ecological information

- **Toxicity**
Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground.
- **Persistence and degradability**
2-methoxy-1-methylethyl acetate - readily biodegradable
n-butyl acetate - readily biodegradable
heptan-2-one - readily biodegradable
2-butoxyethyl acetate - readily biodegradable
hydrocarbons, C9, aromatics - readily biodegradable
- **Bioaccumulative potential**
Octanol-water partition coefficient (Kow)
2-methoxy-1-methylethyl acetate: 0,43
n-butyl acetate: 2,3

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heptan-2-one: 2,26:

2-butoxyethyl acetate: 1,51

Bioconcentration factor (BCF)

n-butyl acetate: BCF = 15,3

2-butoxyethyl acetate: BCF = 1,51

- **Mobility in soil**

No further relevant information available.

- **Results of PBT and vPvB assessment**

PBT: Not applicable.

vPvB: Not applicable.

- **Other adverse effects**

No further relevant information available.

13. Disposal considerations

- **Waste treatment methods**

- **Recommendation**

Must not to disposal together with household garbage. Do not allow product to reach sewage system. Disposal was be made according to official regulations.

European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

- **Uncleaned packaging**

- **Recommendation:** Disposal must be made according to official regulations.

14. Transport information

- **UN-Number:** 1263

- **UN proper shipping name:** 1263 PAINT

- **Transport hazard class(es):** 3

- **Packaging group:** III

- **Hazard label:** 3+ marking for environmentally hazardous substances in accordance with 5.2.1.8 (ADR)

- **Environmental hazards:** Yes

- **Special precautions for user:**

Warning: Flammable liquids. Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of accident or spillage.

- **Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable.

15. Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**

- **National regulations:**

- **Information about limitation of use:**

Employment restrictions concerning juveniles must be observed.

Employment restrictions concerning pregnant and lactating women must be observed.

- **Chemical safety assessment:**

A Chemical Safety Assessment for mixture has not been carried out.

16. Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Relevant R-phrases:**

R 10 Flammable.

R 20/21 Harmful by inhalation and in contact with skin.

R 20/22 Harmful by inhalation and if swallowed.

R 37 Irritating to respiratory system.

R 38 Irritating to skin.

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- R 50 *Very toxic to aquatic organisms.*
R 53 *May cause long-term adverse effects in the aquatic environment.*
R 51/53 *Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.*
R 65 *Harmful: may cause lung damage if swallowed.*
R 66 *Repeated exposure may cause skin dryness or cracking.*
R 67 *Vapours may cause drowsiness and dizziness.*
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- H 226 *Flammable liquid and vapour.*
H 302 *Harmful if swallowed.*
H 304 *May be fatal if swallowed and enters airways.*
H 312 *Harmful in contact with skin.*
H 315 *Causes skin irritation.*
H 332 *Harmful if inhaled.*
H 335 *May cause respiratory irritation.*
H 336 *May cause drowsiness or dizziness.*
H 400 *Very toxic to aquatic life.*
H 410 *Very toxic to aquatic life with long lasting effects.*
H 411 *Toxic to aquatic life with long lasting effects.*