

**Section 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier****Product name:** PLASTIC**Product code:** 770.400.000**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of substance / mixture:** Acrylic resin**1.3. Details of the supplier of the safety data sheet****Company name:** ECS AG

Roosstrasse 53

CH-8832 Wollerau

Switzerland

**Tel:** +41 (0)44 / 787 53 56**Email:** gunnar.kleinmann@ecsag.com**1.4. Emergency telephone number****Emergency tel:** Germany: Intoxications Information Center; +49 761 19240

Switzerland: Swiss Toxicological Information Centre; +41 44 251 51 51

Austria: Intoxication information center; +43 1 406 43 43

**Section 2: Hazards identification****2.1. Classification of the substance or mixture****Classification under CLP:** Flam. Aerosol 1: H222; Skin Sens. 1: H317; Aquatic Chronic 3: H412; STOT SE 3: H336;  
-: EUH066; -: H229**Most important adverse effects:** Repeated exposure may cause skin dryness or cracking. Extremely flammable aerosol.  
Pressurised container: May burst if heated. May cause an allergic skin reaction. May cause drowsiness or dizziness. Harmful to aquatic life with long lasting effects.**2.2. Label elements****Label elements:****Hazard statements:** EUH066: Repeated exposure may cause skin dryness or cracking.

H222: Extremely flammable aerosol.

H229: Pressurised container: May burst if heated

H317: May cause an allergic skin reaction.

H336: May cause drowsiness or dizziness.

H412: Harmful to aquatic life with long lasting effects.

**Hazard pictograms:** GHS07: Exclamation mark

GHS02: Flame

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**Signal words:** Danger

**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.  
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P410+412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C.  
P501: Dispose of to.

## 2.3. Other hazards

**Other hazards:** Buildup of explosive mixtures without sufficient ventilation.

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

## Section 3: Composition/information on ingredients

### 3.2. Mixtures

#### Hazardous ingredients:

##### BUTANE

EINECS	CAS	PBT / WEL	CLP Classification	Percent
203-448-7	106-97-8	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	30-50%

##### N-BUTYL ACETATE

204-658-1	123-86-4	-	Flam. Liq. 3: H226; STOT SE 3: H336; -: EUH066	10-30%
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##### PROPANE

200-827-9	74-98-6	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	10-30%
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##### ACETONE

200-662-2	67-64-1	-	Flam. Liq. 2: H225; Eye Irrit. 2: H319; STOT SE 3: H336; -: EUH066	1-5%
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##### 1-METHOXY-2-PROPANOL

203-539-1	107-98-2	-	Flam. Liq. 3: H226; STOT SE 3: H336	1-5%
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ISOBUTANE

200-857-2	75-28-5	Substance with a Community workplace exposure limit.	Flam. Gas 1: H220; Press. Gas: H280	1-5%
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REACTION MASS OF: 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL - REACH registered number(s): 01-2119491304-40-XXXX

-	-	-	Aquatic Acute 1: H400; Aquatic Chronic 1: H410; Skin Sens. 1A: H317	<1%
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## Section 4: First aid measures

### 4.1. Description of first aid measures

**Skin contact:** Wash immediately with plenty of soap and water. Remove all contaminated clothes and footwear immediately unless stuck to skin.

**Eye contact:** Rinse opened eye for several minutes under running water.

**Ingestion:** If symptoms persist consult doctor.

**Inhalation:** Supply fresh air and to be sure call for a doctor. In case of unconsciousness place patient stably in side position for transportation.

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

**Skin contact:** Based on available data, the classification criteria are not met.

**Eye contact:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

**Inhalation:** May cause drowsiness or dizziness.

**Delayed / immediate effects:** Based on available data, the classification criteria are not met.

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

**Immediate / special treatment:** No further relevant information available.

## Section 5: Fire-fighting measures

### 5.1. Extinguishing media

**Extinguishing media:** Carbon dioxide. Dry chemical powder. Water spray. Fight Larger fires with water spray or alcohol resistant foam.

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

**Exposure hazards:** No further relevant information available.

### 5.3. Advice for fire-fighters

**Advice for fire-fighters:** Protective equipment: No special measures required. Additional information: Collect contaminated fire fighting water separately. It must not enter the sewage system.

## Section 6: Accidental release measures

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

**Personal precautions:** Wear protective equipment. Keep unprotected persons away.

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## 6.2. Environmental precautions

**Environmental precautions:** Do not discharge into drains or rivers. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/surface or ground water.

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

**Clean-up procedures:** Dispose contaminated material as waste according to item 13. Ensure adequate ventilation.

## 6.4. Reference to other sections

**Reference to other sections:** Safe handling: see section 7 Refer to section 8 of SDS. Refer to section 13 of SDS.

## Section 7: Handling and storage

### 7.1. Precautions for safe handling

**Handling requirements:** Ensure good ventilation/exhaustion at the workplace. Keep ignition sources away - Do not smoke. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Do not spray into a naked flame or any incandescent material.

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

**Storage conditions:** Observe official regulations on storing packagings with pressurised containers. Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use. Storage class: 2B

### 7.3. Specific end use(s)

**Specific end use(s):** No further relevant information available.

## Section 8: Exposure controls/personal protection

### 8.1. Control parameters

**Hazardous ingredients:**

**BUTANE**

**Workplace exposure limits:**

**Respirable dust**

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
UK	1450 mg/m <sup>3</sup>	1810 mg/m <sup>3</sup>	-	-

**N-BUTYL ACETATE**

UK	724 mg/m <sup>3</sup>	966 mg/m <sup>3</sup>	-	-
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## PROPANE

UK	1800 mg/m <sup>3</sup>	7200 mg/m <sup>3</sup>	-	-
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## ACETONE

UK	1210 mg/m <sup>3</sup>	3620 mg/m <sup>3</sup>	-	-
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## 1-METHOXY-2-PROPANOL

UK	375 mg/m <sup>3</sup>	560 mg/m <sup>3</sup>	-	-
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## ISOBUTANE

UK	2400 mg/m <sup>3</sup>	9600 mg/m <sup>3</sup>	-	-
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## DNEL/PNEC Values

**DNEL / PNEC** No data available.

## 8.2. Exposure controls

**Engineering measures:** Immediately remove all soiled and contaminated clothing. Wash hands before breaks and at the end of work.

**Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. Not necessary if room is well-ventilated.

**Hand protection:** Protective gloves. The glove material has to be impermeable and resistant to the product / the substance / the preparation. Material of gloves: PE/EVAL/PE Recommended thickness of the material:  $\geq 0,4$ mm 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 can not be calculated in advance and has therefore to be checked prior to the application. Breakthrough time of the glove material > 8 hours.

**Eye protection:** Not applicable.

## Section 9: Physical and chemical properties

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

**State:** Aerosol

**Colour:** According to product specification

**Odour:** Characteristic odour

**Solubility in water:** Not miscible or difficult to mix.

**Viscosity:** No data available.

**Boiling point/range°C:** Not applicable.

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

**Flammability limits %: lower:** 1,2 Vol%

**upper:** 10,9 Vol%

**Flash point°C:** -60°C

**Autoflammability°C:** 365°C

**Vapour pressure:** at 20°C: 4000hPa

**Relative density:** No data available.

**pH:** Not applicable.

**VOC g/l:** 89,25%

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## 9.2. Other information

**Other information:** Product is not selfigniting. Product is not explosive. However, formation of explosive air / vapour mixtures are possible. Density at 20°C: 0,69 g/cm3

## Section 10: Stability and reactivity

### 10.1. Reactivity

**Reactivity:** No further relevant information available.

### 10.2. Chemical stability

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

### 10.3. Possibility of hazardous reactions

**Hazardous reactions:** No dangerous reactions known.

### 10.4. Conditions to avoid

**Conditions to avoid:** No further relevant information available.

### 10.5. Incompatible materials

**Materials to avoid:** No further relevant information available.

### 10.6. Hazardous decomposition products

**Haz. decomp. products:** No dangerous decomposition products known.

## Section 11: Toxicological information

### 11.1. Information on toxicological effects

#### Hazardous ingredients:

#### N-BUTYL ACETATE

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

#### ACETONE

IVN	RAT	LD50	5500	mg/kg
ORL	MUS	LD50	3000	mg/kg
ORL	RAT	LD50	5800	mg/kg

#### 1-METHOXY-2-PROPANOL

IVN	RAT	LD50	4200	mg/kg
ORL	MUS	LD50	11700	mg/kg
ORL	RAT	LDLO	3739	mg/kg

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## Relevant hazards for product:

Hazard	Route	Basis
Respiratory/skin sensitisation	DRM	Hazardous: calculated
STOT-single exposure	-	Hazardous: calculated

## Symptoms / routes of exposure

**Skin contact:** Based on available data, the classification criteria are not met.

**Eye contact:** Based on available data, the classification criteria are not met.

**Ingestion:** Based on available data, the classification criteria are not met.

**Inhalation:** May cause drowsiness or dizziness.

**Delayed / immediate effects:** Based on available data, the classification criteria are not met.

## Section 12: Ecological information

### 12.1. Toxicity

#### Hazardous ingredients:

#### ACETONE

BLUEGILL ( <i>Lepomis macrochirus</i> )	LC50	8300	mg/l
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#### REACTION MASS OF: 1,2,2,6,6-PENTAMETHYL-4-PIPERIDYL

Daphnia magna	EC50/24	20	mg/l
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### 12.2. Persistence and degradability

**Persistence and degradability:** No further relevant information available.

### 12.3. Bioaccumulative potential

**Bioaccumulative potential:** No further relevant information available.

### 12.4. Mobility in soil

**Mobility:** No further relevant information available.

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

**Other adverse effects:** Harmful to aquatic organisms. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

## Section 13: Disposal considerations

### 13.1. Waste treatment methods

**Disposal operations:** Must not be disposed together with household garbage. Do not allow product to reach sewage system.

**Waste code number:** 15 01 10

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**Disposal of packaging:** 15 01 04 metallic packaging Recommendation: Disposal must be made according to official regulations.

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

## Section 14: Transport information

### 14.1. UN number

**UN number:** UN1950

### 14.2. UN proper shipping name

**Shipping name:** Aerosols

### 14.3. Transport hazard class(es)

**Transport class:** 2 (5F+Gases)

### 14.4. Packing group

**Packing group:** void

### 14.5. Environmental hazards

**Environmentally hazardous:** No

**Marine pollutant:** No

### 14.6. Special precautions for user

**Special precautions:** EMS Number: F-D,S-U Stowage Code: SW1, SW22 Segregation Code: SG69

**Tunnel code:** D

**Transport category:** 2

**IMDG seg. group:** LQ: 1L; EQ: E0

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

**Transport in bulk:** not applicable

## Section 15: Regulatory information

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

**Specific regulations:** Directive 2012/18/EU Named dangerous substances - ANNEX 1 None of the ingredients is listed. Seveso category P3b Flammable Aerosols Qualifying quantity (tonnes) for application of lower-tier requirements 150 t. Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t. Regulation (EC) No 1907/2006 ANNEX XVII Conditions of restriction:28 29

### 15.2. Chemical Safety Assessment

**Chemical safety assessment:** A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## Section 16: Other information

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## Other information

**Other information:** This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830.

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

**Phrases used in s.2 and s.3:** EUH066: Repeated exposure may cause skin dryness or cracking.

H220: Extremely flammable gas.

H222: Extremely flammable aerosol.

H225: Highly flammable liquid and vapour.

H226: Flammable liquid and vapour.

H229: Pressurised container: May burst if heated

H317: May cause an allergic skin reaction.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

H412: Harmful to aquatic life with long lasting effects.

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