

PLASTIC

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

1.1 - Product identifier

Trade name/designation PLASTIC
Chemical name
Product-type Mixture
Product code 770.400
UFI: 7G10-S0H2-S00U-255A

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

1.3 - Details of the supplier of the safety data sheet

ECS Cleaning Solutions GmbH
Wolfener Str. 32-34
D-12681 Berlin Germany
Telephone : +49 (0)30 / 36 46 40 36
gunnar.kleinmann@ecsag.com

1.4 - Emergency telephone number

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 according to Regulation (EC) No 1272/2008 [CLP]

Skin Sens. 1	Skin sensitization - Category 1
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Aerosol 1	Aerosol - Category 1

2.2 - Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Contains: n-butyl acetate (CAS No.: 123-86-4) | acetone, propan-2-one, propanone (CAS No.: 67-64-1) | 1-methoxy-2-propanol, monopropylene glycol methyl ether (CAS No.: 107-98-2) | (CAS No.:)

Signal word : Danger

Hazard pictograms



Hazard statements

H222	Extremely flammable aerosol
H229	Pressurised container: May burst if heated
H317	May cause an allergic skin reaction

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H336	May cause drowsiness or dizziness
H412	Harmful to aquatic life with long lasting effects

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.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
P501	Dispose of contents/container to an appropriate recycling or disposal facility/in an approved treatment center in accordance with regional/national/international regulation.

EUH-phrases

EUH066	Repeated exposure may cause skin dryness or cracking
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2.3 - Other hazards

SECTION 3: Composition / information on ingredients

3.1 - Substances

Not applicable

3.2 - Mixtures

Chemical name	No	%	Class(es)	Specific concentration limit
butane	CAS No. : 106-97-8 Index No. : 601-004-00-0 EC No. : 203-448-7	40	Flam. Gas 1 - H220 Press. Gas	Not applicable
n-butyl acetate	CAS No. : 123-86-4 Index No. : 607-025-00-1 EC No. : 204-658-1	25	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
propane	CAS No. : 74-98-6 Index No. : 601-003-00-5 EC No. : 200-827-9	15	Flam. Gas 1 - H220 Press. Gas	Not applicable
acetone, propan-2-one, propanone	CAS No. : 67-64-1 Index No. : 606-001-00-8 EC No. : 200-662-2	5	Eye Irrit. 2 - H319 Flam. Liq. 2 - H225 STOT SE 3 (H336) - H336	Not applicable
1-methoxy-2-propanol, monopropylene glycol methyl ether	CAS No. : 107-98-2 Index No. : 603-064-00-3 EC No. : 203-539-1	5	Flam. Liq. 3 - H226 STOT SE 3 (H336) - H336	Not applicable
isobutane	CAS No. : 75-28-5 Index No. : 601-004-00-0 EC No. : 200-857-2	5	Flam. Gas 1 - H220 Press. Gas	Not applicable
	CAS No. : Index No. : EC No. : 915-687-0	0.3	Aquatic Acute 1 - H400 Aquatic Chronic 1 - H410 Skin Sens. 1A - H317	Not applicable

SECTION 4: First aid measures

4.1 - Description of first aid measures

Following inhalation

- No special measures are necessary.

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Following skin contact

- Provide fresh air.
- After contact with skin, wash immediately with plenty of water and soap.
- In case of skin reactions, consult a physician.

After eye contact

- Rinse immediately carefully and thoroughly with eye-bath or water.
- In case of eye irritation consult an ophthalmologist.

After ingestion

- Rinse mouth thoroughly with water.
- Do NOT induce vomiting.

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

Symptoms and effects - Following inhalation - No information available.

Symptoms and effects - Following skin contact - Causes skin irritation.

Symptoms and effects - After eye contact - No information available.

Symptoms and effects - After ingestion - No information available.

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

- Treat symptomatically.

SECTION 5: Firefighting measures

5.1 - Extinguishing media

Suitable extinguishing media

- ABC-powder
- Carbon dioxide (CO₂)
- Foam
- Extinguishing powder

Unsuitable extinguishing media

- Full water jet

5.2 - Special hazards arising from the substance or mixture

Special hazards arising from the substance or mixture - No information available.

5.3 - Advice for firefighters

- Co-ordinate fire-fighting measures to the fire surroundings.

SECTION 6: Accidental release measures

6.1 - Personal precautions, protective equipment and emergency procedures

For non-emergency personnel - Use personal protection equipment.

For emergency responders - No information available.

6.2 - Environmental precautions

- No information available.

6.3 - Methods and material for containment and cleaning up

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Methods and material for containment

- No information available.

Methods and material for cleaning up

- Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).
- Wash with plenty of water.

Inappropriate techniques

- No information available.

6.4 - Reference to other sections

- Disposal: see section 13
- Personal protection equipment: see section 8

SECTION 7: Handling and storage

7.1 - Precautions for safe handling

Recommendation

- Avoid: Skin contact
- It is recommended to design all work processes always so that the following is excluded: Skin contact

Advices on general occupational hygiene

- No information available.

7.2 - Conditions for safe storage, including any incompatibilities

- No information available.

7.3 - Specific end use(s)

SECTION 8: Exposure controls/personal protection

8.1 - Control parameters

butane (106-97-8)	
IOELV TWA mg/m3 (UE)	1450 mg/m3
IOELV TWA ppm (UE)	600 ppm
n-butyl acetate (123-86-4)	
IOELV TWA mg/m3 (UE)	241 mg/m3
IOELV TWA ppm (UE)	50 ppm
IOELV STEL mg/m3 (UE)	723 mg/m3
IOELV STEL ppm (UE)	150 ppm
acetone, propan-2-one, propanone (67-64-1)	
IOELV TWA mg/m3 (UE)	1210 mg/m3
IOELV TWA ppm (UE)	500 ppm
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
IOELV TWA mg/m3 (UE)	375 mg/m3
IOELV TWA ppm (UE)	100 ppm
IOELV STEL mg/m3 (UE)	560 mg/m3
IOELV STEL ppm (UE)	150 ppm

DNEL / PNEC

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)			
Type	Value	User	Effect
DNEL long-term oral (repeated)	33 mg/kg bw/day	Consumers	Systemic
DNEL acute inhalative	553.5 mg/m3	Workers	Systemic

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DNEL acute inhalative	553.5 mg/m ³	Workers	Local
DNEL long-term inhalative	369 mg/m ³	Workers	Systemic
DNEL long-term inhalative	43.9 mg/m ³	Consumers	Systemic
DNEL long-term dermal	183 mg/kg bw/day	Workers	Systemic
DNEL long-term dermal	78 mg/kg bw/day	Consumers	Systemic
PNEC aquatic, freshwater	10 mg/l		
PNEC aquatic, marine water	1 mg/l		
PNEC aquatic, intermittent release	100 mg/l		
PNEC sediment, freshwater	52.3 mg/kg		
PNEC sediment, marine water	5.2 mg/kg		
PNEC sewage treatment plant (STP)	100 mg/l		

8.2 - Exposure controls

Appropriate engineering controls

- No information available.

Individual protection measures, such as personal protective equipment

- For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.
- Barrier creams are not substitutes for body protection.
- Tested protective gloves must be worn

- Suitable protective clothing: lab coat

SECTION 9: Physical and chemical properties

9.1 - Information on basic physical and chemical properties

<u>Physical state</u> <u>Colour</u>	Liquid colourless	<u>Appearance</u> <u>Odour</u>	Aerosol characteristic
Odour threshold		No data available	
pH		No data available	
Melting point		No data available	
Freezing point		No data available	
Boiling point		No data available	
Flash point		-60 °C	
Evaporation rate		No data available	
flammability		No data available	
Lower explosion limit		1.2 % Vol.	
Upper explosion limit		10.9 % Vol.	
Vapour pressure		4000 hPa	
Vapour density		No data available	
Relative density		No data available	

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Density	0.9 g/cm3
Solubility (Water)	No data available
Solubility (Ethanol)	No data available
Solubility (Acetone)	No data available
Solubility (Organic solvents)	No data available
Log KOC	No data available
Auto-ignition temperature	365 °C
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available

Particle characteristics

Particle size	No data available
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9.2 - Other information

VOC content	89.75 g/l
Minimum ignition energy	No data available
Conductivity	No data available

SECTION 10: Stability and reactivity

10.1 - Reactivity

- This material is considered to be non-reactive under normal use conditions.

10.2 - Chemical stability

- The product is chemically stable under recommended conditions of storage, use and temperature.

10.3 - Possibility of hazardous reactions

- No hazardous reaction when handled and stored according to provisions.

10.4 - Conditions to avoid

- No information available.

10.5 - Incompatible materials

- No information available.

10.6 - Hazardous decomposition products

- Does not decompose when used for intended uses.

SECTION 11: Toxicological information

11.1 - Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity - Not classified

Toxicity : Mixture

LD50 oral (rat)	No data available
LD50 dermal (rat)	No data available
LD50 dermal (rabbit)	No data available

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LC50 inhalation (rat)	No data available
LC50 inhalation dusts and mists (rat)	No data available
LC50 inhalation vapours (rat)	No data available

- Based on available data, the classification criteria are not met.

Toxicity : Substances

butane (106-97-8)	
LC50 inhalation vapours (rat)	658 mg/l
propane (74-98-6)	
LC50 inhalation vapours (rat)	20 mg/l
acetone, propan-2-one, propanone (67-64-1)	
LD50 oral (rat)	5800 mg/kg
LD50 dermal (rabbit)	20000 mg/kg
LC50 inhalation vapours (rat)	76 mg/l
1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)	
LD50 oral (rat)	4277 mg/kg
LD50 dermal (rat)	> 2000 mg/kg
LC50 inhalation vapours (rat)	54.6 mg/l
isobutane (75-28-5)	
LC50 inhalation vapours (rat)	> 50 mg/l

Skin corrosion/irritation - Not classified

Serious eye damage/eye irritation - Not classified

Respiratory or skin sensitisation - Skin sensitization - Category 1 - May cause an allergic skin reaction

- May cause sensitization by skin contact.
- May cause an allergic skin reaction.

Germ cell mutagenicity - Not classified

Carcinogenicity - Not classified

Reproductive toxicity - Not classified

STOT-single exposure - STOT-single exposure - Category 3 (H336) - May cause drowsiness or dizziness

STOT-repeated exposure - Not classified

Aspiration hazard - Not classified

11.2 - Information on other hazards

SECTION 12: Ecological information

12.1 - Toxicity

Toxicity : Mixture

EC50 48 hr crustacea	No data available
LC50 96 hr fish	No data available
ErC50 algae	No data available

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ErC50 other aquatic plants	No data available
NOEC chronic fish	No data available
NOEC chronic crustacea	No data available
NOEC chronic algae	No data available
NOEC chronic other aquatic plants	No data available

Toxicity : Substances

1-methoxy-2-propanol, monopropylene glycol methyl ether (107-98-2)

EC50 48 hr crustacea	21100 mg/l < V < 25900 mg/l
LC50 96 hr fish	> 4600 mg/l
ErC50 algae	> 1000 mg/l

- Harmful to aquatic life with long lasting effects.

12.2 - Persistence and degradability

Biochemical oxygen demand (BOD)	No data available
Chemical oxygen demand (COD)	No data available
% of biodegradation in 28 days	No data available

- No information available.

12.3 - Bioaccumulative potential

Bioconcentration factor (BCF)	No data available
Log KOC	No data available

- No indication of bioaccumulation potential.

12.4 - Mobility in soil

- No information available.

12.5 - Results of PBT and vPvB assessment

12.6 - Endocrine disrupting properties

12.7 - Other adverse effects

- No information available.

SECTION 13: Disposal considerations

13.1 - Waste treatment methods

<u>Waste treatment methods</u>	- Dispose of waste according to applicable legislation.
<u>Sewage disposal</u>	- No information available.
<u>Special precautions for waste treatment</u>	- No information available.
<u>Community or national or regional provisions</u>	- No information available.

SECTION 14: Transport information

14.1 - UN number or ID number

UN number (ADR) : UN1950

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<u>UN number (RID)</u>	:	UN1950
<u>UN number (ADN)</u>	:	UN1950
<u>UN number (IMDG)</u>	:	UN1950
<u>UN number (IATA)</u>	:	UN1950

14.2 - UN proper shipping name

<u>UN proper shipping name (ADR)</u>	:	AEROSOLS
<u>UN proper shipping name (RID)</u>	:	AEROSOLS
<u>UN proper shipping name (ADN)</u>	:	AEROSOLS
<u>UN proper shipping name (IMDG)</u>	:	AEROSOLS
<u>UN proper shipping name (IATA)</u>	:	AEROSOLS, FLAMMABLE

14.3 - Transport hazard class(es)

<u>ADR Transport hazard class(es)</u>	:	2
<u>ADR Classification code:</u>	:	5F
<u>Pictograms</u>		



<u>Transport hazard class(es) (RID)</u>	:	2
<u>Pictograms</u>		



<u>Transport hazard class(es) (ADN)</u>	:	2
<u>Pictograms</u>		



<u>Transport hazard class(es) (IMDG)</u>	:	2
<u>Pictograms</u>		



<u>Transport hazard class(es) (IATA)</u>	:	2
<u>Pictograms</u>		





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14.4 - Packing group

Packing group :
Packing group (RID) :
Packing group (ADN) :
Packing group (IMDG) :
Packing group (IATA) :

14.5 - Environmental hazards

Environmental hazards : No
Marine pollutant : No

14.6 - Special precautions for user

ADR

ADR Classification code: : 5F
ADR Special provisions : 190+327+344+625
ADR Limited quantity (LQ) : 1L
ADR Excepted quantities : E0
ADR Packing instructions : P207 LP200
ADR Special packing provisions : PP87 RR6 L2
ADR Mixed packing provisions : MP9
Instructions for portable tanks and bulk containers :
Special provisions for portable tanks and bulk containers :
ADR tank code :
ADR tanks special provisions :
Vehicle for tank carriage :
ADR Transport category : 2
ADR Tunnel restriction code : D
ADR Special provisions loading, unloading and handling : CV9 CV12
Special provisions - Packages : V14
Special provisions - Bulk :
Special provisions - Operation : S2
ADR Hazard identification number (Kemler No.) :

RID

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

ADN

Special provisions :
Limited quantity (LQ) :
Excepted quantities :

IMDG

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<u>Special provisions</u>	:	63 190 277 327 344 381 959
<u>Limited quantity (LQ)</u>	:	
<u>Excepted quantities</u>	:	E0
<u>Packing instructions</u>	:	P207 LP200
<u>Special packing provisions</u>	:	PP87 L2
<u>IBC instruction(s)</u>	:	
<u>IBC provisions</u>	:	
<u>Instructions for portable tanks and bulk containers</u>	:	
<u>Special provisions for portable tanks and bulk containers</u>	:	
<u>EmS codes</u>	:	F-D, S-U
<u>Stowage and handling</u>	:	Category None SW1 SW22
<u>Segregation</u>	:	SG69
<u>Properties and observations</u>	:	
<u>IATA</u>		
<u>PCA - Excepted quantities</u>	:	E0
<u>PCA - Limited Quantity - Packing Instructions</u>	:	Y203
<u>PCA - Limited Quantity - Maximum Net Quantity per Package</u>	:	30kg
<u>PCA - Packing Instructions</u>	:	203
<u>PCA - Maximum Net Quantity per Package</u>	:	75kg
<u>CAO - Packing Instructions</u>	:	203
<u>CAO - Maximum Net Quantity per Package</u>	:	150kg
<u>Special Provisions</u>	:	A145 A167 A802
<u>ERG Code</u>	:	10L

14.7 - Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

<u>Substances REACH candidates</u>	None
<u>Substances Annex XIV</u>	None
<u>Substances Annex XVII</u>	None

VOC content 89.75 g/l

15.2 - Chemical Safety Assessment

Chemical safety assessment carried out for the product - No information available.

SECTION 16: Other information

SDS versions

Version	Issue date	Author	Description of the amendments
1	11/17/2022		

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Texts of the regulatory sentences

Aerosol 1	Aerosol - Category 1
Aquatic Acute 1	Hazardous to the aquatic environment - Aquatic Acute 1
Aquatic Chronic 1	Hazardous to the aquatic environment - Aquatic Chronic 1
Aquatic Chronic 3	Hazardous to the aquatic environment - Aquatic Chronic 3
Eye Irrit. 2	Eye irritation - Category 2
Eye Irrit. 2A	Eye irritation - Category 2A
Flam. Gas 1	Flammable gas. - Category 1
Flam. Liq. 2	Flammable liquid and vapour. - Category 2
Flam. Liq. 3	Flammable liquid and vapour. - Category 3
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
H412	Harmful to aquatic life with long lasting effects
Press. Gas	Gases under pressure
Skin Sens. 1	Skin sensitization - Category 1
Skin Sens. 1A	Skin sensitization - Category 1A
STOT SE 3 (H336)	STOT-single exposure - Category 3 (H336)

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