

SAFETY DATA SHEET

Safety data sheet according to (EC) No. 1907/2006.

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

1.1. Product identifier:

ROC Plast Primer 537

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

Cleans and opens plastic materials before adhesion.

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

ROC Danmark

Thorslundsvej 7 Phone: +45 - 87 41 66 11

DK-5000 Odense C Fax: +45 - 87 41 66 13

Danmark H: www.roc.dk

Responsible person for the safety data sheet (e-mail): roc@roc.dk

1.4. Emergency telephone:

+45 - 87 41 66 11 (within office hours)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture:

Highly flammable solution that irritates eyes and have long-term effects.

EC (67/548 or 1999/45): F;R11 Xi;R36 R66 R67

CLP (1272/2008): Flam Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 EUH066

2.2. Label elements:

Contains: Butanone



H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

P210: Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

P233: Keep container tightly closed.

P280: Wear eye protection/face protection.

P337+P313: If eye irritation persists: Get medical advice/attention.

EUH066: Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards: None known.

PBT/vPvB: The ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

SECTION 3: Composition/information on ingredients

3.2. Mixtures:

% w/w	Name	CAS-no.	EC-no.	Index-no.	REACH reg.no.	Classification
>80	Butanone	78-93-3	201-159-0	606-002-00-3	None	EC: F;R11 Xi;R36 R66 R67 CLP: Flam Liq. 2;H225 Eye Irrit. 2;H319 STOT SE 3;H336 EUH066*

* EUH066 is supplemental hazard information

Wording of R-phrases and hazard statements - see section 16.

SECTION 4: First-aid measures

4.1. Description of first aid measures:

Inhalation: Move the affected person to fresh air. Keep at rest. If symptoms persist: Seek medical advice.

Skin contact: Remove contaminated clothing. Wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water for at least 15 minutes, holding eye lids open, remember to remove contact lenses, if any. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. In case of discomfort: Seek medical advice.

Burns: Flush with water until pain ceases.

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

Irritation of lungs, eyes and mucous membranes.

Prolonged inhalation of vapours may result in inflammation of the nose and gastrointestinal tract and damage on liver, kidneys, blood or central nervous system.

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

Show this Safety Data Sheet to a physician or emergency ward.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media:

Carbon dioxide, dry chemical, sand, foam or water fog. Do not use water jet.

5.2. Special hazards arising from the substance or mixture:

Do not breathe smoke fumes. In case of fire, the product may form hazardous decomposition products such as oxides of carbon.

5.3. Advice for fire-fighters:

When entering burning area: Wear self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment - see section 8. Ventilate area of leak or spill. Remove sources of ignition.

6.2. Environmental precautions:

Do not empty into drains - see section 12. Inform appropriate authorities in accordance with local regulations.

6.3. Methods and material for containment and cleaning up:

Take up with wet paper or absorbent material (e.g. general-purpose binder) and place in marked container for disposal. Clean with water. Further handling of spillage - see section 13.

6.4. Reference to other sections:

See above.

SECTION 7: Handling and storage

7.1. Precautions for safe handling:

Avoid breathing vapours. Provide sufficient ventilation. Avoid contact with skin, eyes and clothing. Change contaminated clothes.

Wash hands and contaminated areas with water and mild soap after use. There shall be access to water and eye wash fountain.

7.2. Conditions for safe storage, including any incompatibilities:

Store in a well-closed original container and in a flammable liquid storage area. Keep separated from oxidizing agents. Keep out of the reach of children.

7.3. Specific end use(s):

See section 1.

SECTION 8: Exposure controls/Personal protection

8.1. Control parameters:

Substance	8-hour TWA	15-min STEL
Indicative Exposure Limit Values (EU):	200 ppm = 600 mg/m ³	300 ppm = 900 mg/m ³
DNEL/PNEC:	No CSR.	

8.2. Exposure controls:

Appropriate engineering controls: Provide efficient ventilation e.g. by working in a fume cupboard.

Personal protective equipment:

Respiratory protection: Normally not necessary if working in fume cupboard. In case of working in not adequate ventilated areas, use an approved mask with a gas filter: A. The filter has a limited lifetime and must be changed. Read the instruction.

Skin protection: Wear protective gloves of e.g. butyl rubber. Breakthrough time: 4 hours. Alternatively use gloves of nitrile rubber. The gloves must be changed immediately when contact with this chemical occur.

Eye protection: Wear tight fitting safety goggles when risk of eye contact.

Environmental exposure controls: None particular.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties:

Appearance:	Clear, colourless liquid
Odour:	Pungent, acetone like
Odour threshold:	No available data
pH:	7
Melting point/freezing point (°C):	-86.9
Initial boiling point and boiling range (°C):	79.6
Decomposition temperature (°C):	No available data
Flash point (°C):	-9
Evaporation rate (water = 1):	2.7
Flammability (solid, gas):	Not relevant
Upper/lower flammability or explosive limits (vol-%):	1.8 – 11.5
Vapour pressure (kPa @ 20°C):	10.5
Vapour density (Water = 1):	No available data
Relative density (g/cm ³ @ 20°C):	0,805
Solubility (water, g/l @ 20°C):	350
Partition coefficient: n-octanol/water:	No available data
Auto-ignition temperature (°C):	404
Viscosity:	Not relevant
Explosive properties:	Not relevant
Oxidising properties:	Not relevant

9.2. Other information:

None relevant.

SECTION 10: Stability and reactivity

10.1. Reactivity:

No available information.

10.2. Chemical stability:

Stable under the recommended storage conditions (see section 7).

10.3. Possibility of hazardous reactions:

Vapours can be ignited by a spark, a hot surface or a glow. Vapours are heavier than air.

10.4. Conditions to avoid:

Formation of sparks and glows. Excessive heating and sources of ignition.

10.5. Incompatible materials:

May react strongly with oxidizing agents.

10.6. Hazardous decomposition products:

When heated to high temperatures (decomposition) it emits toxic fumes such as oxides of carbon.

SECTION 11: Toxicological information

11.1. Information on toxicological effects:

Hazard class	Data (Butanone)	Test	Reference
Acute toxicity:			
Inhalation	No applicable/available data	-	-
Dermal	LD _{Lo} (rabbit) = 2000 mg/kg	No info	IUCLID
Oral	LD ₅₀ (rat) = 2054 mg/kg	No info	IUCLID
Corrosion/irritation:	No skin irritation, rabbit	OECD 404	IUCLID
	Eye irritation, rabbit	OECD 405	IUCLID
Sensitization:	No skin sensitization, guinea pig	GPMT etc.	IUCLID
CMR:	No applicable/available data (carcinogen or mutagen)	No info	IUCLID
	No reproductive toxicity (mice, 3000 ppm, 7 h daily, pregnancy (6-15 d.))	No info	Van Nostrand Reinhold;1998

Information on likely routes of exposure: Lungs, skin and gastrointestinal tract.

Symptoms:

Inhalation: Vapours may cause irritation to the airways. May induce discomfort, nausea, dizziness and headache.
Large amounts may cause narcosis and unconsciousness.

Skin: May cause irritation with redness. Degreases skin.

Eyes: Causes irritation with redness, pain and blurred vision.

Ingestion: May irritate the mucous membranes. May cause symptoms mentioned for "Inhalation".

Chronic effects: Prolonged or frequent exposure to vapours of volatile organic compounds may result in damage on liver, kidneys, blood or central nervous system.

SECTION 12: Ecological information

12.1. Toxicity:

Aquatic	Data (Butanone)	Test (Media)	Reference
Fish	LC ₅₀ (Fish, 96h) > 100 mg/l	No info (FW)	IUCLID
	NOEC (Fish, 96h) = 2993 mg/l	No info (FW)	IUCLID
Crustacean	EC ₅₀ (Daphnia magna, 48h) > 100 mg/l	No info (FW)	IUCLID
Algae	EC ₅₀ (Algae, 72h) > 100 mg/l	No info (FW)	IUCLID

12.2. Persistence and degradability:

Butanone is readily biodegradable (OECD 301, >60%).

12.3. Bioaccumulative potential:

Butanone: Log K_{ow} < 1 – No significant bioaccumulation is expected.

12.4. Mobility in soil:

Butanone: K_{oc} ≤ 5 – Very large mobility expected in soil.

12.5. Results of PBT and vPvB assessment:

Ingredients are not considered PBT/vPvB according to criteria in Annex XIII.

12.6. Other adverse effects:

None known.

SECTION 13: Disposal considerations

13.1. Waste treatment methods:

Disposal should be according to local, state or national legislation. Dispose of through authority facilities or pass to chemical disposal company.

EWC-Code:

20 01 13

15 02 02 (paper or absorbent material contaminated with product).

SECTION 14: Transport information

14.1. UN-no.: 1193

14.2. UN proper shipping name: ETHYL METHYL KETONE

14.3. Transport hazard class(es): 3

14.4. Packing group: II F-E, S-D

14.5. Environmental hazards: None.

14.6. Special precautions for user: None.

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not relevant.

SECTION 15: Regulatory information

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

Must not be used by persons under 18 years of age.

The employer shall assess the working conditions and, if there is any risk to the safety or health and any effects on the pregnancy or breastfeeding of workers, take the necessary measures to adjust the working conditions (Directive 92/85/EEC).

15.2. Chemical Safety Assessment:

No CSR.

SECTION 16: Other information

R-phrases and hazard statements mentioned in section 2 and 3:

R 11: Highly flammable.

R 36: Irritating to eyes.

R 66: Repeated exposure may cause skin dryness or cracking.

R 67: Vapours may cause drowsiness and dizziness.

H225: Highly flammable liquid and vapour.

H319: Causes serious eye irritation.

H336: May cause drowsiness or dizziness.

EUH066: Repeated exposure may cause skin dryness or cracking.

SECTION 16: Other information (continued)

Abbreviations:

CMR = Carcinogenicitet, mutagenicitet og reproduktionstoksicitet

CSR = Chemical Safety Report

EC₅₀ = Effect Concentration 50 %

DNEL = Derived No-Effect Level

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = Lethal Dose 50 %

LD_{Lo} = Lethal Dose Low

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

TD_{Lo} = Toxic Dose Low

vPvB = very Persistent, very Bioaccumulative

Training advice:

No special training is required. However, the user should be well instructed in the execution of the task, be familiar with this Safety Data Sheet and have normal training in the use of personal protective equipment.

Changes since the previous edition:

Not relevant

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