

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

1.1 Product identifier

Trade name: **PLASTIFLOOR® Cleanser Acetone**

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

Relevant identified uses: cleanser for coating tools.

Uses advised against: not determined.

1.3 Details of the supplier of the safety data sheet

Supplier: **Plasti-Chemie Produktionsgesellschaft GmbH**

Address: Falgardring 1 DE-08541, Falkenstein

Telephone/Fax number: +49(0)3745/74432-0 / +49(0)3745/74432-27

E-mail address for a competent person responsible of sds: volkmar.lull@plasti-chemie.de

Further information provided by: Mr. Volkmar Lull, +49 3745/74432-14

1.4 Emergency telephone number

Poison Information Centre Erfurt: +49 361 730730 (Gemeinsames Giftinformationszentrum der Länder Mecklenburg-Vorpommern, Sachsen, Sachsen-Anhalt und Thüringen c/o HELIOS Klinikum Erfurt Nordhäuser Straße 74, 99089 Erfurt)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to regulation (EG) 1272/2008/WE

Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336

Highly flammable liquid and vapour. Causes serious eye irritation. May cause drowsiness or dizziness.

2.2 Label elements

This substance is graded and classified according to (EG) Nr. 1272/2008 [CLP].

Hazard symbols and signal words



DANGER

Product identifier

Contains: ethyl acetate.

Hazard statements

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Precaution statements

P210 Keep away from heat/sparks/open fire/hot surfaces and other ignition source. No smoking.

P243 Take precautionary measures against static discharge.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lens, if present and easy to do. Continue rinsing.

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

2.3 Other hazards

The components of this mixture do not meet the criteria for PBT or vPvB in accordance of Annex XIII of REACH.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

3.1 Substance

CAS: 67-64-1 EINECS: 200-662-2 Index number: 606-011-00-8 REACH-number.: -	<u>Acetone</u> Classification acc. to 1272/2008/WE: Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336	>98 %
---	--	-------

3.2 Mixture

Not applicable.

Additional information: For the wording of the hazard statements refer to section 16.

ABSCHNITT 4: FIRST AID MEASUREMENTS

4.1 Description of first aid measurements

General information:	Care of personal protection of the first aider.
Inhalation:	Move victim to fresh air and keep calm. Consult doctor if symptoms persist.
Skin contact:	Wash immediately with soap and water and rinse thoroughly. Directly remove contaminated clothing. Consult doctor if symptoms persist.
Eye contact:	Wash the eye with the eyelid open for several minutes under running water. Consult doctor if symptoms persist.
Ingestion:	Do not induce vomiting. Rinse mouth with water. Consult doctor if symptoms persist. Show the container or label.

4.2 Most important symptoms and effects, both acute and delayed

Drowsiness, headache, nausea, irritation, vomiting.

4.3 Indication of any immediate medical attention and special treatment

No further information relevant.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguish media

Suitable extinguish media: CO₂; extinguishing powder, sand. Do not use water.

Unsuitable extinguish media: Water jet – risk of propagation of the flame.

5.2 Special hazards arising from the substance or mixture

Flammable. Vapours are heavier than air, spread around the ground and form explosive mixtures.
Under certain fire conditions traces of other toxic substances are possible. Cracked Hydrocarbons, carbon monoxide and carbon dioxide.

5.3 Advise for firefighters

Highly flammable liquid and vapour. Airtight sealed containers may rupture explosively if heated.

Special protective equipment: Self-contained breathing apparatus, chemical-resistant protective clothing.

Additional information: Brand residues and contaminated firefighting water must be disposed according to the official regulations.

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Exclude sources of ignition.
Do not breathe vapours. Ensure adequate ventilation.
Use personal protective measures. Keep unprotected persons away.
Avoid skin and eye contamination.

6.2 Environmental precautions

Do not allow product to reach sewage system, water bodies or ground/soil.
Risk of explosion.

6.3 Methods and material for containment and cleaning up

Collect with non-flammable liquid absorbing material (e.g. sand, silica). Do not flush with water or aqueous cleaning agents. Collect in lockable and labelled containers. Treat the collected material as waste. Clean the contaminated place and ventilate it.

6.4 Reference to other sections

Disposal: Section 13. Personal protective equipment: Section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Follow general OSH regulations for dangerous chemical substances. Avoid contact with skin and eyes. Do not breathe vapours. Wash hands thoroughly before breaks and at the end of work. While handling the product do not eat, drink or smoke. No open flame or sparks. Keep the product away from heat and sources of ignition. Take measures to prevent electrostatic charging. Use non-sparking tools. Vapour can combine with air to form an explosive mixture. Avoid open flame, sparks, direct sunlight and other sources of ignition. Ensure good interior ventilation, especially at floor level (vapours are heavier than air and may pose a risk of explosion).

7.2 Conditions for safe storage, including any incompatibilities

General information: Observe country-specific requirements for the storage of hazardous substances.

Requirements for storage rooms and containers:

Store in labelled and closed original container.
Store in well ventilated rooms.

Storage compatibility:

Keep away from foodstuffs, beverages and food.

Additional information:

Keep container tightly closed.
Protect from heat and direct sunlight.

Recommended Storage temperature:

+15°C up to + 25°C

7.3 Specific end use(s)

No information about other uses than those mentioned in subsection 1.2.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1 Control parameters

Components with community workplace exposure limits:

Ethyl acetate, CAS 141-78-6

Limit value - Eight hours 500 ppm

Limit value - Short term 1500 mg/m³

DNEL

141-78-6 Ethyl acetate:

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

DNEL	Oral	Inhalation	Dermal
Worker, long-term, local effects	1	734 mg/m ³	-
Worker, long-term, systemic effects	1	734 mg/m ³	63 mg/kg KG/day
Worker, short-term, local effects	1	1468 mg/m ³	-
Worker, short-term, systemic effects	1	1468 mg/m ³	-

1) low oral toxicity: DNEL not calculated.

PNEC

141-78-6 Ethyl acetate:

PNEC freshwater	0,24 mg/l
PNEC seawater	0,024 mg/l
PNEC freshwater sediment	1,15 mg/kg Dry weight
PNEC seawater sediment	0,115 mg/kg Dry weight
PNEC soil	1,47 mg/kg Dry weight
PNEC STP	650 mg/l

8.2 Exposure controls

General safety and hygiene measures:

- Observe the usual precautions for handling chemicals.
- Keep away from foodstuff, beverages and food.
- Directly remove contaminated clothing.
- Wash hand thoroughly before breaks and at the end of work.
- Separate storage of protective clothing.
- Avoid contact with skin and eyes.
- Do not eat/drink/smoke/snuff during work.

Respiratory protection:

Required at: aerosol or mist formation.



Combination filter A-P2 (organic Vapours-Particles)

Hand protection:

Only use chemical protective gloves with CE labelling of Category III according to EN 374.



Selection of the glove material on consideration of the permeation times, rates of diffusion and the degradation.

Glove material:

The selection of an adequate glove not only depends on the material, but also from different other quality characteristics and varies from manufacturer to manufacturer.

Butyl rubber

Penetration time of glove material:

The exact break through time is to be learned from the manufacturer and must be maintained. The break through time is dependent of the activity and usage time

Eye protection:



Tightly sealed goggles

Body protection:

Protective clothing.

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

<u>Appearance:</u>	Liquid
<i>Physical state:</i>	Transparent
<i>Colour:</i>	Fruity
<i>Odour:</i>	Not determined.
<i>Odour threshold:</i>	

Safety relevant basic data:

Parameters		Unit	Remark
<i>Density:</i>	0,9	g/l	
<i>Bulk density:</i>			not applicable
<i>pH value:</i>			not determined
<i>Melting point/Melting range:</i>	-83,6	°C	
<i>Boiling point/Boiling range:</i>	77,1	°C	
<i>Flash point:</i>	-4	°C	
<i>Inflammability (solid/gaseous)</i>			not applicable
<i>Explosion dangerousness:</i>			not explosive ¹
<i>lower Explosion limit:</i>	2,2	Vol.-%	
<i>upper Explosion limit:</i>	11,5	Vol.-%	
<i>Ignition temperature:</i>	427	°C	
<i>Decomposition temperature:</i>			not determined
<i>Oxidising potential:</i>			not oxidising
<i>Vapour pressure:</i>	9,187	kPa	at 20 °C
<i>Rate of vaporization:</i>			not determined
<i>Water solubility:</i>	83,1	g/L	20,4 °C
<i>Liposolubilty:</i>			not determined
<i>Soluble in:</i>			not determined
<i>Distribution coefficient:</i>			not determined
<i>n-Octanol/Water:</i>	0,68		pH 7; 25 °C
<i>Viscosity:</i>	0,44	mPas	20 °C
<i>Solvent separation test:</i>			not determined
<i>Solvent content:</i>			not determined

¹ The formation of explosive vapour/air mixtures is possible.

9.2 Other information

Refractive index = 1,372

SECTION 10: STABILITY AND REACTIVITY

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

10.1 Reactivity	Inflammation. The formation of explosive vapour/air mixtures is possible.
10.2 Chemical stability	The product is stable at intended storage and handling conditions.
10.3 Possible hazardous reactions	Exothermic reactions: fluorine, strong oxidising agents. Explosion hazard: Alkylmetals, conc. Sulfuric acid.
10.4 Conditions to avoid	Avoid direct sunlight, heat sources, sources of ignition, high temperatures. Don't Smoke.
10.5 Incompatible materials	Various Plastics.
10.6 Hazardous decomposition products	In the event of fire: see section 5.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects	
<u>Acute Toxicity:</u>	
<u>Relevant LD/LC50 Values:</u>	
Oral	141-78-6 Ethyl acetate: LD50 (Rat) > 5620 mg/kg
Dermal	141-78-6 Ethyl acetate: LD50 (Rabbit) > 18000 mg/kg
Inhalation	141-78-6 Ethyl acetate: LC50 (Rat) 1600 mg/L / 4 h
<u>Irritation to the skin:</u>	Based on available data the classification criteria are not met.
<u>Serious eye damage/irritation:</u>	Causes serious eye irritation.
<u>Sensitization:</u>	Based on available data the classification criteria are not met.
<u>Risk of aspiration toxicity:</u>	Based on available data the classification criteria are not met.
<u>CMR effects:</u>	
Carcinogenicity	Based on available data the classification criteria are not met.
Germ cell mutagenicity	Based on available data the classification criteria are not met.
Reproductive toxicity	Based on available data the classification criteria are not met.
<u>Other information:</u>	
STOT – Single exposure	May cause drowsiness or dizziness.
STOT – Repeated exposure	Based on available data the classification criteria are not met.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity	
<u>Aquatic Toxicity:</u>	
80-62-06 Methyl methacrylate	EC 50 (Fish): 220 mg/l / 96 h (ECHA) LC 50 (pimephales promelas): 230 mg/l / 96 h NOEC (Aquatic invertebrates): >2,4 mg/l / 21 d (ECHA) EC 50 (Aquatic invertebrates): 2306 mg/l / 24 h

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

12.2 Persistence and degradability

The product is easily biodegradable.

12.3 Bioaccumulative potential

Not notable bioaccumulative potential.

12.4 Mobility in Soil

No further information relevant.

12.5 Results of PBT and vPvB assessment

The PBT/vPvB criteria of REACH are not applicable for this substance.

12.6 Other adverse effects

Water hazard class 1 (self-classification): slightly polluting substance.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal methods for the product:

When disposing observe the current regulatory provisions for disposing chemical waste. This product and its container must be disposed of as hazardous waste. Do not allow product to reach sewage system, water bodies or ground/soil.

SECTION 14: TRANSPORT INFORMATION

14.1 UN-Number

UN 1173

14.2 UN proper shipping name

ADR 1173 Ethyl acetate

IMDG, IATA Ethyl acetate

14.3 Transport hazard class(es)

ADR



Class: 3 (F1) flammable liquids

IMDG, IATA



Class: 3 (F1) flammable liquids

SAFETY DATA SHEET

[in accordance with the regulation no. 1907/2006/EG (REACH)]

Version: 2/ENG

14.4 Packing group

II

14.5 Environmental hazards

Marine pollutant: No

14.6 Special precautions for user

Kemler-number: 33

EMS-number: F-E,S-D

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

Transport/Additional information:

ADR:

Limited quantities (LQ):	1 L
Transport category:	2
Tunnel restriction code:	D/E
RID/GGVCEB	see ADR

SECTION 15: REGULATORY INFORMATION

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

National regulations

This product has to be labelled in accordance with the Ordinance on Hazardous Substances in the latest version.

Employment restrictions

Observe employment restrictions for young people.

Observe employment restrictions for expectant and nursing mothers.

Water hazard class:

WGK 1 (self-classification): slightly polluting substance.

Other regulations, limitations and prohibitive regulations

Note:

Apply the appropriate local regulations.

15.2 Chemical safety assessment

A chemical safety assessment is not required for this product.

SECTION 16: OTHER INFORMATION

Additional details:

Classification was made based on the data on the content of hazardous substances using the calculation method based on the guidelines of regulation 1272/2008/EC (CLP).

Relevant Phrases:

H225 Highly flammable liquid and vapour.

H319 Causes serious eye irritation.

H336 May cause drowsiness or dizziness.

Safety Data Sheet issuing person:

Pascal Konrad

Safety Data Sheet issued on:

27.04.2017