SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 (REACH)

Revision date: 6 Jan 2021
Print date: 6 Jan 2021
Version: 1

PUR-O-STOP FS-F A-Komponente

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

1.1. Product identifier

Trade name/designation:

PUR-O-STOP FS-F A-Komponente

UFI:
A1ST-9JXH-80SR-YP3S

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

No data available

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

TPH Bausysteme GmbH
Nordportbogen 8
22848 Norderstedt
Germany

Telephone: +49 40 52 90 66 78-0
Telefax: +49 40 52 90 66 78-78
E-mail: info@tph-bausysteme.com
Website: www.tph-bausysteme.com
E-mail (competent person): sdb-info@tph-bausysteme.com

1.4. Emergency telephone number

24h: GIZ-Nord +49 551 / 19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification pro cedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

Additional information:
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].

2.2. Label elements

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

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

Hazard components for labelling:
1,4-diazabicyclooctane

hazard statements for health hazards	
H319	Causes serious eye irritation.

Supplemental hazard information: -

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P280	Wear protective gloves/protective clothing and eye/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

2.3. Other hazards
No data available

SECTION 3: Composition / information on ingredients

3.2. Mixtures
Hazardous ingredients / Hazardous impurities / Stabilisers:

product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concen-tration
CAS No.: 280-57-9 **EC No.:** 205-999-9 **REACH No.:** 01-2119980944-22-XXXX	**1,4-diazabicyclooctane** Acute Tox. 4, Eye Dam. 1, Flam. Sol. 1, Skin Irrit. 2  **Danger** H228-H302-H315-H318	< 1.5 weight-%
CAS No.: 108-65-6 **EC No.:** 203-603-9 **REACH No.:** 01-2119475791-29-XXXX	**2-methoxy-1-methylethyl acetate** Flam. Liq. 3  **Warning** H226	< 1 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures
General information:
In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:
Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/eye irritation

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:
Extinguishing powder Carbon dioxide (CO2) Water spray jet

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Hazardous combustion products:
In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures
6.1.1. For non-emergency personnel
Personal precautions:
Remove persons to safety.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders
Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

6.4. Reference to other sections
Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information
Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling
Protective measures

Advices on safe handling:
Wear personal protection equipment (refer to section 8).

Advices on general occupational hygiene
When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities
Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

7.3. Specific end use(s)
No data available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters
8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
Ontario (CA)	1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	① 1 ppm (4.6 mg/m³) ⑤ (may be absorbed through the skin)
RU	1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	③ 1 mg/m³
VRC (FR)	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (peut être absorbé par la peau)
BE	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (peut être absorbé par la peau)
CZ	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 49.14 ppm (270 mg/m³) ② 100.1 ppm (550 mg/m³) ⑤ (může pronikat pokožkou)
TRGS 900 (DE)	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (270 mg/m³) ② 50 ppm (270 mg/m³)
PL	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 260 mg/m³ ② 520 mg/m³ ⑤ (może przenikać przez skórę do organizmu)
NO	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (270 mg/m³) ⑤ (kan absorberes gjennom huden)
IE	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (may be absorbed through the skin)
HTP (FI)	2-methoxy-1-methylethyl ac etate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (270 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (kan absorberas genom huden)

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
DK	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (kan optages gennem huden)
LT	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (250 mg/m³) ② 75 ppm (400 mg/m³) ⑤ (tikėtinas įsisavinimas per odą)
SE	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (kan absorberas genom huden)
NPEL (SK)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (rátajte so vstrebávaním cez pokožku)
MAK (AT)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	② 100 ppm (550 mg/m³) ⑤ (max. 8x5 min./Schicht, Momentanwert, kann über die Haut aufgenommen werden)
BG	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (трябва да се очаква абсорбиране през кожата)
HR	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (mora se uzeti u obzir prodiranje kroz kožu)
ES	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (VLI)
RO	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (e de asteptat asimilarea prin piele)
EE	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (naha kaudu kergesti absorbeeruvad ained)
LV	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (var absorbet caur adu)
BC (CA)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm ② 75 ppm
IOELV (EU)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (may be absorbed through the skin)
Ontario (CA)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (270 mg/m³)

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
MAK (AT)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ⑤ (kann über die Haut aufgenommen werden)
WEL (GB)	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (274 mg/m³) ② 100 ppm (548 mg/m³) ⑤ (may be absorbed through the skin)
SI	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (računati je treba z možnostjo prodiranja skozi kožo)
HU	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 275 mg/m³ ② 550 mg/m³
IS	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (efnið getur auðveldlega borist inn í líkamann gegnum húð)
CH	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 50 ppm (275 mg/m³)
RU	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	③ 10 mg/m³
GR	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (αναμένετε απορρόφηση από το δέρμα)
NL	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 550 mg/m³
TR	2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	① 50 ppm (275 mg/m³) ② 100 ppm (550 mg/m³) ⑤ (cilt yoluyla alınabilir)
TRGS 900 (DE)	Hydrocarbons, TRGS 900	① 0 mg/m³ ⑤ Mass fraction (wt %): 0

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	1.2 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	3.6 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects

8.2. Exposure controls

8.2.1. Appropriate engineering controls
No data available

8.2.2. Personal protection equipment

Eye/face protection:
Eye glasses with side protection DIN EN 166

Skin protection:
Tested protective gloves must be worn EN ISO 374 Suitable material: Breakthrough time: min
In the case of wanting to use the gloves again, clean them before taking off and air them well.
Breakthrough times and swelling properties of the material must be taken into consideration.

8.2.3. Environmental exposure controls
No data available

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance
Physical state: Liquid
Colour: light yellow
Odour: not determined

Safety relevant basis data

parameter		at °C	Method	Remark
pH	*not determined*			
Melting point	*not determined*			
Freezing point	*not determined*			
Initial boiling point and boiling range	> 200 °C			
Decomposition temperature	*not determined*			
Flash point	*not determined*			
Evaporation rate	*not determined*			
Auto-ignition temperature	*not determined*			
Upper/lower flammability or explosive limits	*not determined*			
Vapour pressure	*not determined*			
Vapour density	*not determined*			
Density	1.03 g/cm³	23 °C	EN ISO 2811-1	
Bulk density	*not determined*			
Water solubility	*not determined*			
Partition coefficient: n-octanol/ water	*not determined*			
Dynamic viscosity	*not determined*			
Kinematic viscosity	*not determined*			

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available

10.2. Chemical stability
No data available

10.3. Possibility of hazardous reactions
No data available

10.4. Conditions to avoid
No data available

10.5. Incompatible materials
No data available

10.6. Hazardous decomposition products
No data available

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Substance name	Toxicological information
1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	**LD_{50} oral:** 50 mg/kg (Rat) **LD_{50} dermal:** >2,000 mg/kg (Rabbit)
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	**LD_{50} oral:** 6,190 mg/kg (Rat)

Acute oral toxicity:
Based on available data, the classification criteria are not met.

Acute dermal toxicity:
Based on available data, the classification criteria are not met.

Acute inhalation toxicity:
Based on available data, the classification criteria are not met.

Skin corrosion/irritation:
Based on available data, the classification criteria are not met.

Serious eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Based on available data, the classification criteria are not met.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

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

Reproductive toxicity:
Based on available data, the classification criteria are not met.

STOT-single exposure:
Based on available data, the classification criteria are not met.

STOT-repeated exposure:
Based on available data, the classification criteria are not met.

Aspiration hazard:
Based on available data, the classification criteria are not met.

Additional information:
No data available

SECTION 12: Ecological information

12.1. Toxicity

Substance name	Toxicological information
1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	**LC_{50}:** 681 mg/l 4 d (fish, Leuciscus idus (golden orfe)) DIN 38412 T.15) **EC_{50}:** >100 mg/l 2 d (Daphnia magna (Big water flea)) OECD 202 **EC_{50}:** 110 mg/l 3 d (Algae/water plant, Pseudokirchneriella subcapitata) OECD 201 **EC_{50}:** 356 mg/l (Pseudomonas putida) DIN 38412 T.8, 17h
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	**LC_{50}:** 130 mg/l 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) **LC_{50}:** 408 mg/l 2 d (Daphnia magna (Big water flea))

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential
No data available

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

Substance name	Results of PBT and vPvB assessment
1,4-diazabicyclooctane CAS No.: 280-57-9 EC No.: 205-999-9	The substance in the mixture does not meet the PBT/vPvB criteria according to REACH, annex XIII.
2-methoxy-1-methylethyl acetate CAS No.: 108-65-6 EC No.: 203-603-9	—

12.6. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

13.1.1. Product/Packaging disposal
Waste codes/waste designations according to EWC/AVV

Waste code product:

07 02 08 *	other still bottoms and reaction residues

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:
Consult the appropriate local waste disposal expert about waste disposal.

SECTION 14: Transport information

No dangerous good in sense of these transport regulations.

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN-No.			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant			
14.4. Packing group			
not relevant			
14.5. Environmental hazards			
not relevant			
14.6. Special precautions for user			
not relevant			

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code
not relevant

SECTION 15: Regulatory information

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

15.1.1. EU legislation
No data available

15.1.2. National regulations

[DE] National regulations

Water hazard class

WGK:
1 - schwach wassergefährdend

15.2. Chemical Safety Assessment
No data available

SECTION 16: Other information

16.1. Indication of changes
No data available

16.2. Abbreviations and acronyms
No data available

16.3. Key literature references and sources for data
No data available

16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

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

Hazard classes and hazard categories	Hazard statements	Classification pro cedure
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	Calculation method.

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H226	Flammable liquid and vapour.
H228	Flammable solid.
H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.

16.6. Training advice

No data available

16.7. Additional information

No data available