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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

**Version:** 0.2 Page 1/10



## Retarder for FSG Plastic Cleaner

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

#### 1.1. Product identifier

Trade name/designation:

## Retarder for FSG Plastic Cleaner

#### **Article No.:**

RE13000

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

Additive

#### Relevant identified uses:

Sector of uses [SU]

SU 6a: Manufacture of wood and wood products

**Product Categories [PC]** 

PC 24: Lubricants, greases, release products

Article categories [AC]

AC 11: Wood articles: furniture

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

#### Manufacturer:

#### FSG Schäfer GmbH

Boschstraße 14 48703 Stadtlohn

GERMANY

**Telephone:** +49 (0) 25 63 - 93 95 - 0 **Telefax:** +49 (0) 25 63 - 93 95 - 25 **E-mail:** verkauf@fsg-schaefer.de **Website:** www.fsg-schaefer.de

E-mail (competent person): sdb@fsg-schaefer.de

Only for information: National Poisons Information Service (Birmingham Unit): 844 892 0111

#### 1.4. Emergency telephone number

24h: Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergencydepartment., Office FSG: +49 (0) 2563 93950. (Only available during office hours.)

## **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 procedure
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	
Germ cell mutagenicity (Muta. 1B)	H340: May cause genetic defects.	
Carcinogenicity (Carc. 1B)	H350: May cause cancer.	
STOT-repeated exposure (STOT RE 1)	H372: Causes damage to organs through prolonged or repeated exposure. (central nervous system)	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

**Version:** 0.2 Page 2/10



## **Retarder for FSG Plastic Cleaner**

#### \* 2.2. Label elements

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



#### **GHS08** Health hazard

#### Signal word: Danger

Hazard statements for health hazards		
H304	May be fatal if swallowed and enters airways.	
H340	May cause genetic defects.	
H350	May cause cancer.	
H372	Causes damage to organs through prolonged or repeated exposure. (central nervous system)	

Hazard statements for environmental hazards		
H412	Harmful to aquatic life with long lasting effects.	

#### Supplemental hazard information: none

Precautionary statements Prevention		
P260	Do not breathe dust/fume/gas/mist/vapours/spray.	
P270	Do not eat, drink or smoke when using this product.	
P273	Avoid release to the environment.	

Precautionary statements Response			
P301 + P310	P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/First aider.		
P314	Get medical advice/attention if you feel unwell.		

Precautionary statements Disposal	
P501	Dispose of contents/container to Disposal methods.

#### 2.3. Other hazards

No data available

## **SECTION 3: Composition/information on ingredients**

#### \* 3.1. Substances

## Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
EC No.: 927-241-2 Index No.: 649-330-00-2 REACH No.: 01-2119471843-32-0000	· · · · · · · · · · · · · · · · · · ·	60 - ≤ 100 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. Warning First aider: Pay attention to self-protection!

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

Version: 0.2 Page 3/10



## Retarder for FSG Plastic Cleaner

#### Following inhalation:

Provide fresh air. Get medical advice/attention if you feel unwell.

#### In case of skin contact:

Take off contaminated clothing and wash it before reuse. Take off immediately all contaminated clothing. After contact with skin, wash immediately with plenty of water and soap.

#### After eye contact:

In case of contact with eyes, rinse immediately thoroughly with plenty of edible oil and consult an ophthalmologist.

## Following ingestion:

Rinse mouth. Get medical advice/attention if you feel unwell. Observe risk of aspiration if vomiting occurs. Let 1 glass of water be drunken in little sips (dilution effect). Do NOT induce vomiting. Get immediate medical advice/attention.

#### Self-protection of the first aider:

Use personal protection equipment. No direct artificial respiration to be given by first aider.

## **4.2.** Most important symptoms and effects, both acute and delayed Pneumonia, Pulmonary oedema.

## **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:

Water spray jet, alcohol resistant foam, Extinguishing powder, Carbon dioxide (CO2).

Fire extinguishers Fire class B.

#### Unsuitable extinguishing media:

Full water jet.

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

Combustible.

#### Hazardous combustion products:

In case of fire may be liberated: Carbon dioxide, Carbon monoxide Pyrolysis products, toxic, carbon black. 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

Avoid release to the environment. Do not allow to enter into surface water or drains.

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

**Version:** 0.2 Page 4/10



## **Retarder for FSG Plastic Cleaner**

#### 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). Soak up inert absorbent and dispose as waste requiring special attention.

#### For cleaning up:

Clean with detergents. Avoid solvent cleaners. Water (with cleaning agent).

#### 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:

Do not breathe gas/fumes/vapour/spray. Repeated exposure may cause skin dryness or cracking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use explosion-proof machinery, apparatus, ventilation facilities, tools etc. Wear personal protection equipment (refer to section 8).

#### Fire prevent measures:

Highly flammable. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

#### **Environmental precautions:**

Shafts and sewers must be protected from entry of the product. Discharge into the environment must be avoided.

Discharge into the environment must be avoided.

## Advices on general occupational hygiene

Wash hands before breaks and after work.

When using do not eat, drink, smoke, sniff.

Avoid contact with skin, eyes and clothes.

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

#### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

#### Packaging materials:

Keep/Store only in original container. Material, solvent-resistant

## Requirements for storage rooms and vessels:

Protect from sunlight. Store in a well-ventilated place.

#### Hints on storage assembly:

Keep away from combustible material. Keep away from combustible material. Do not store together with: Combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Non-combustible substances of acute toxicity, category 1 and 2 / very toxic substances

Combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects

Non-combustible substances of acute toxicity, category 3 / hazardous substances that are toxic or produce chronic effects.

Storage class (TRGS 510, Germany): 3 - Flammable liquids

#### 7.3. Specific end use(s)

#### Recommendation:

Additive for the reduction of Evaporation rate

## Industrial sector specific solutions:

Anti-corrosive paints, containing solvents, high in aromatics, harmful

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

**Version:** 0.2 Page 5/10



## Retarder for FSG Plastic Cleaner

#### GISCODE:

BS60

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

## 8.1.1. Occupational exposure limit values

No data available

#### 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
Hydrocarbons, C9-C10, containing n-	185 mg/m <sup>3</sup>	① DNEL Consumer
alkanes, isoalkanes, cyclics, with <2% aromatics		② Long-term – inhalation, systemic effects
EC No.: 927-241-2		
	77 mg/kg bw/	① DNEL worker
alkanes, isoalkanes, cyclics, with <2% aromatics	day	② Long-term - dermal, systemic effects
EC No.: 927-241-2		
Hydrocarbons, C9-C10, containing n-	46 mg/kg bw/	① DNEL Consumer
alkanes, isoalkanes, cyclics, with <2% aromatics	day	② Long-term - dermal, systemic effects
EC No.: 927-241-2		
Hydrocarbons, C9-C10, containing n-		① DNEL worker
alkanes, isoalkanes, cyclics, with <2% aromatics	day	② Long-term - oral, systemic effects
EC No.: 927-241-2		
Hydrocarbons, C9-C10, containing n-	46 mg/kg bw/	① DNEL Consumer
alkanes, isoalkanes, cyclics, with <2% aromatics	day	② Long-term - oral, systemic effects
EC No.: 927-241-2		

## 8.2. Exposure controls

#### 8.2.1. Appropriate engineering controls

Technical measures and the application of suitable work processes have priority over personal protection equipment, generation/formation of aerosols: Technical ventilation of workplace.

#### 8.2.2. Personal protection equipment





#### **Eve/face protection:**

Eye glasses with side protection EN 166.

#### Skin protection:

In full conatct:Suitable material: Butyl caoutchouc (butyl rubber) >0,7 mm, Breakthrough time: >480 min

In splash contact:Suitable material: Butyl caoutchouc (butyl rubber), NBR (Nitrile rubber) >0,4 mm, Breakthrough time: >120 min.

The following gloves may be used: Ultranitril 492, MAPA Professionnel & Nitril/Neopren Microflex 93-260 (EN374(JKL), EN388 (2000); Kat.III; AQL 0,65).

Tested protective gloves must be worn EN ISO 374.

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.

#### Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

**Version:** 0.2 Page 6/10



## **Retarder for FSG Plastic Cleaner**

#### Other protection measures:

Wear suitable protective clothing.

#### 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: colourless

**Odour:** Gasoline

## Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	not determined		
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	not determined		
Evaporation rate	not determined		
Auto-ignition temperature	200 °C		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	5 hPa	20 °C	
Vapour density	not determined		
Density	not determined		
Relative density	not determined		
Bulk density	not determined		
Water solubility	poorly soluble		
Partition coefficient: n-octanol/water	1.99 - 5.25		
Dynamic viscosity	not determined		
Kinematic viscosity	not determined		

#### 9.2. Other information

No data available

## **SECTION 10: Stability and reactivity**

### 10.1. Reactivity

Combustible.

#### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

## 10.3. Possibility of hazardous reactions

The formation of explosive vapor / air mixtures is possible.

## 10.4. Conditions to avoid

Heat, Flame.

#### 10.5. Incompatible materials

Oxidising agent.

## 10.6. Hazardous decomposition products

In case of warming: Flammable solvent vapor mixtures are possible.

Gases/vapours, toxic.

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

Version: 0.2



## Retarder for FSG Plastic Cleaner

## **SECTION 11: Toxicological information**

## $^{*}$ 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2

LD<sub>50</sub> oral: >15,000 mg/kg (Rat) MSDS Distributor

LD<sub>50</sub> dermal: >5,000 mg/kg (Rabbit) MSDS Distributor

LC<sub>50</sub> Acute inhalation toxicity (dust/mist): >6.1 mg/L 4 h (Rat) MSDS Distributor

#### 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:

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

## Respiratory or skin sensitisation:

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

#### Germ cell mutagenicity:

May cause genetic defects.

#### **Carcinogenicity:**

May cause cancer.

#### 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:**

May cause damage to organs through prolonged or repeated exposure.

#### Aspiration hazard:

May be fatal if swallowed and enters airways.

#### **Additional information:**

No data available

#### 11.2. Information on other hazards

No data available

## **SECTION 12: Ecological information**

#### \* 12.1. Toxicity

Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics	EC No.:	927-241-2
---	---------	-----------

 $LC_{50}$ : 10 - ≤100 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) MSDS Distributor

**LC<sub>50</sub>:** 10 - ≤100 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout)) MSDS Distributor

LC<sub>50</sub>: >100 mg/L (Algae/water plant) MSDS Distributor

**LC<sub>50</sub>:** >1,000 mg/L (Mikroorganismen) MSDS Distributor

LC<sub>50</sub>: >10 - <30 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))

EC<sub>50</sub>: >1,000 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) EL 50 SDB BR

EC<sub>50</sub>: >22 - <46 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) EL 50 SDB BR

NOEC: <1 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata) NOELR SDB BR

#### Aquatic toxicity:

Harmful to aquatic life with long lasting effects.

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

Version: 0.2 Page 8/10



## **Retarder for FSG Plastic Cleaner**

## \* 12.2. Persistence and degradability

Hydrocarbons, C9-C10, containing n-alkanes, isoalkanes, cyclics, with <2% aromatics EC No.: 927-241-2

Biodegradation: Yes, rapidly

Remark: Bioakkumulation potentiell möglich, Schädlich für Fische.

## 12.3. Bioaccumulative potential

#### Partition coefficient: n-octanol/water:

1.99 - 5.25

#### 12.4. Mobility in soil

No data available

## \* 12.5. Results of PBT and vPvB assessment

#### 12.6. Endocrine disrupting properties

No data available

#### 12.7. 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

05 01 99 Wastes not otherwise specified

#### Remark:

Изхвърляне съгласно Наредбата за предотвратяване и обезвреждане на отпадъци (VVEA, ehem. TVA) ШВЕЙЦАРИЯ - Код на отпадъците: 1101 - Нехалогенирани разтворители

#### Waste code packaging

15 01 06 mixed packaging

## Waste treatment options

#### Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

#### Appropriate disposal / Package:

Completely emptied packages can be recycled.

#### Other disposal recommendations:

Return to Distributor...

## **SECTION 14: Transport information**

Land transport (ADR/RID)	(ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)		
14.1. UN number or ID number					
UN 3295	UN 3295	UN 3295	UN 3295		
14.2. UN proper ship	ping name				
HYDROCARBONS, LIQUID,	HYDROCARBONS, LIQUID,	HYDROCARBONS, LIQUID,	HYDROCARBONS, LIQUID,		
N.O.S. (Hydrocarbons, C9-	N.O.S. (Hydrocarbons, C9-	N.O.S. (Hydrocarbons, C9-	N.O.S. (Hydrocarbons, C9-		
C10, containing n-alkanes,	C10, containing n-alkanes,	C10, containing n-alkanes,	C10, containing n-alkanes,		
isoalkanes, cyclics, with	isoalkanes, cyclics, with	isoalkanes, cyclics, with	isoalkanes, cyclics, with		
<2% aromatics Mixtures )	<2% aromatics Mixtures )	<2% aromatics Mixtures )	<2% aromatics Mixtures )		

en / GB / IE

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

Version: 0.2 Page 9/10



## Retarder for FSG Plastic Cleaner

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)		
14.3. Transport hazard class(es)					
	8	•	•		
3	3	3	3		
14.4. Packing group					
II	II	II	II		
14.5. Environmenta	hazards				
<b>L</b>	¥2>	MARINE POLLUTANT	Y <sub>2</sub>		
14.6. Special precau	itions for user		•		
Special Provisions: 640D	Special Provisions: 640D	Special Provisions: 640D	Special Provisions: 640D		
Limited quantity (LQ): $1 L$	Limited quantity (LQ):	Limited quantity (LQ):	Limited quantity (LQ):		
Hazard identification number (Kemler No.): 30 Classification code: F1	Classification code: F1 Remark:	<b>EmS-No.:</b> F-E, S-D			
Tunnel restriction code: (D/E)					
Remark:					

## 14.7. Maritime transport in bulk according to IMO instruments

IMDG void

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU legislation

#### **Restrictions on use:**

Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. According to directive 94/33/EC, juveniles are only allowed to handle this product as long as all effects of dangerous substances are prevented.

#### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

#### Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

Volatile organic compounds (VOC) content in percent by weight: 100 weight-%

#### 15.1.2. National regulations

## [GB] National regulations

## Other regulations, restrictions and prohibition regulations

Regulation 1005/2009/EC on substances that deplete the ozone layer (ODS)

Regulation 850/2004/EC on persistent organic pollutants (POP)

Regulation 649/2012/EU concerning the export and import of hazardous chemicals (PIC)

## 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

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

Revision date: 27 Oct 2022 Print date: 31 Jan 2023

Version: 0.2 Page 10/10



## Retarder for FSG Plastic Cleaner

#### **SECTION 16: Other information**

#### \* 16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.1.	Substances
4.1.	Description of first aid measures
8.1.	Control parameters
9.1.	Information on basic physical and chemical properties
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
12.1.	Toxicity
12.2.	Persistence and degradability
12.5.	Results of PBT and vPvB assessment
13.1.	Waste treatment methods
16.1.	Indication of changes
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

#### 16.2. Abbreviations and acronyms

For abbreviations and acronyms, see ECHA: Guidance on information requirements and chemical safety assessment, Chapter R.20 (list of terms and abbreviations).

## 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]

Hazard classes and hazard categories	Hazard statements	Classification procedure
Aspiration hazard (Asp. Tox. 1)	H304: May be fatal if swallowed and enters airways.	
Germ cell mutagenicity (Muta. 1B)	H340: May cause genetic defects.	
Carcinogenicity (Carc. 1B)	H350: May cause cancer.	
	H372: Causes damage to organs through prolonged or repeated exposure. (central nervous system)	
Hazardous to the aquatic environment (Aquatic Chronic 3)	H412: Harmful to aquatic life with long lasting effects.	

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

Hazard statements			
H304	May be fatal if swallowed and enters airways.		
H340	May cause genetic defects.		
H350	May cause cancer.		
H372	Causes damage to organs through prolonged or repeated exposure.		

## 16.6. Training advice

No data available

#### 16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

\* Data changed compared with the previous version.