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Safety Data Sheet According to Regulation (EG) Nr. 1907/2006

Revision date: 27.12.2022/Revision No:1,11

PDF Print date: 27.12.2022

## **SHINE HD Glass Cleaner Concentrate**

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

1.1. Product identifier

SHINE HD Glass Cleaner Concentrate

UFI: JMUM-AGXC-WR9V-GXK4

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

Use of the substance/mixture

Washing and cleaning products

1.3. Details of the supplier of the safety data sheet

Company name: SCHOLL Concepts GmbH

Polish & Pad Manufaktur

Street: Maybachstrasse 7
Place: D-71686 Remseck

Telephone: +49 (0) 7141 29299 - 0 Telefax: +49 (0) 7141 29299 - 10

e-mail: sds@schollconcepts.com Internet: www.schollconcepts.com

**1.4. Emergency telephone** +49 (0) 89 19240 (Giftnotruf Technische Universität München)

number:

## SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Regulation (EG) Nr. 1272/2008

Eye Irrit. 2; H319

Full text of hazard statements: see SECTION 16.

## 2.2. Label elements

Regulation (EG) Nr. 1272/2008

Signal word: Warning

Pictograms:



## **Hazard statements**

H319 Causes serious eye irritation.

**Precautionary statements** 

P102 Keep out of reach of children.

P264 Wash hands thoroughly after handling.





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P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing

protection.

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.
P501 Dispose of waste according to applicable legislation.

#### 2.3. Other hazards

No information available.

# SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

## **Hazardous components**

CAS No	Chemical name				
	EC No	Index No	REACH No		
	Classification (Regulation (	(EG) Nr. 1272/2008)	•		
67-63-0	isopropanol			15 - < 20 %	
	200-661-7	603-117-00-0	01-2119457558-25		
	Flam. Liq. 2, Eye Irrit. 2, S				
111-76-2	2-butoxyethanol			5 - < 10 %	
	203-905-0	603-014-00-0	01-2119475108-36		
	Acute Tox. 3, Acute Tox. 4	, Skin Irrit. 2, Eye Irrit. 2; H331 H30	02 H315 H319		
1336-21-6	Ammonia			< 1 %	
	215-647-6	007-001-01-2	02-2119752451-43		
	Skin Corr. 1B, STOT SE 3,	, Aquatic Acute 1; H314 H335 H40	0		

Full text of H and EUH statements: see section 16.

#### Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. I	Limits, M-factors and ATE	
67-63-0	200-661-7	isopropanol	15 - < 20 %
	dermal: LD50 =	: 12800 mg/kg; oral: LD50 = 5840 mg/kg	
111-76-2	203-905-0	2-butoxyethanol	5 - < 10 %
	inhalation: ATE	3 mg/l (vapours); dermal: LD50 = >2000 mg/kg; oral: ATE 1200 mg/kg	
1336-21-6	215-647-6	Ammonia	< 1 %
	STOT SE 3; H3	35: >= 5 - 100	

## Labelling for contents according to Regulation (EC) No 648/2004

< 5 % non-ionic surfactants, perfumes.





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## **SHINE HD Glass Cleaner Concentrate**

## SECTION 4: First aid measures

#### 4.1. Description of first aid measures

#### **General information**

No special measures are necessary. When in doubt or if symptoms are observed, get medical advice.

#### After inhalation

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

#### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Take off contaminated clothing and wash it before reuse. In case of skin reactions, consult a physician.

#### After contact with eyes

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

#### After ingestion

Rinse mouth immediately and drink plenty of water. Do NOT induce vomiting. Call a doctor.

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

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

Foam. Dry extinguishing powder. Carbon dioxide (CO2). Water spray jet. Co-ordinate fire-fighting measures to the fire surroundings.

## Unsuitable extinguishing media

Full water jet

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

No special measures are necessary.

#### 5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

## Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

## SECTION 6: Accidental release measures



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## **SHINE HD Glass Cleaner Concentrate**

### 6.1. Personal precautions, protective equipment and emergency procedures

## General advice

Provide adequate ventilation. Do not breathe gas/fumes/vapour/spray. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

### For non-emergency personnel

Remove all sources of ignition. Ventilate affected area. Wear personal protection equipment (refer to section 8)

#### For emergency responders

Wear breathing apparatus if exposed to vapours/dusts/aerosols. Use personal protection equipment. Tested protective gloves must be worn: Recommended material: NBR (Nitrile rubber). Unsuitable material: PVC (polyvinyl chloride)

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

### 6.3. Methods and material for containment and cleaning up

#### For containment

Collect spillage. Stop leak if safe to do so. Cover drains.

## For cleaning up

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

#### Other information

Use non-sparking tools. Clean contaminated articles and floor according to the environmental legislation.

## 6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

### Advice on safe handling

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. Avoid breathing dust/fume/gas/mist/vapours/spray.

#### Advice on protection against fire and explosion

No special fire protection measures are necessary. Only use the material in places where open light, fire and other flammable sources can be kept away.

#### Advice on general occupational hygiene

Use personal protection equipment. Take off contaminated clothing and wash it before reuse. Wash hands before breaks and after work. When using do not smoke. When using do not eat or drink. Avoid contact with skin, eyes and clothes. Draw up and observe skin protection programme.





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## **SHINE HD Glass Cleaner Concentrate**

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

## Requirements for storage rooms and vessels

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

#### Hints on joint storage

Do not store together with: Oxidising agent. Strong acid. Strong alkali.

## Further information on storage conditions

Recommended storage temperature: 15-25°C

## 7.3. Specific end use(s)

Automotive care products

# SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

# **Exposure limits (EH40)**

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
111-76-2	2-Butoxyethanol	25	123		TWA (8 h)	WEL
		50	246		STEL (15 min)	WEL
7664-41-7	Ammonia, anhydrous	25	18		TWA (8 h)	WEL
		35	25		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

## **Biological Monitoring Guidance Values (EH40)**

CAS No	Substance	Parameter	Value	Test material	Sampling time
111-76-2	2-Butoxyethanol	butoxyacetic acid (creatinine)	240 mmol/mol		Post shift





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## **DNEL/DMEL values**

CAS No	Substance			
DNEL type	•	Exposure route	Effect	Value
67-63-0	isopropanol		·	·
Consumer D	NEL, long-term	oral	systemic	26 mg/kg bw/day
Consumer D	NEL, long-term	dermal	systemic	319 mg/kg bw/day
Worker DNE	L, long-term	dermal	systemic	888 mg/kg bw/day
Consumer D	NEL, long-term	inhalation	systemic	89 mg/m³
Worker DNE	L, long-term	inhalation	systemic	500 mg/m³
111-76-2	2-butoxyethanol			·
Worker DNE	L, acute	inhalation	systemic	1091 mg/m³
Consumer D	NEL, long-term	inhalation	systemic	59 mg/m³
Consumer D	NEL, acute	inhalation	local	147 mg/m³
Consumer D	NEL, long-term	oral	systemic	6,3 mg/kg bw/day
Worker DNE	L, long-term	inhalation	systemic	98 mg/m³
Worker DNE	L, long-term	inhalation	local	246 mg/m³
Consumer D	NEL, acute	inhalation	systemic	426 mg/m³
Consumer D	NEL, acute	oral	systemic	26,7 mg/kg bw/day



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## **SHINE HD Glass Cleaner Concentrate**

#### **PNEC** values

CAS No	Substance	
Environmenta	Environmental compartment	
67-63-0	isopropanol	
Freshwater		140,9 mg/kg
Marine water		140,9 mg/l
Freshwater se	ediment	552 mg/kg
Marine sediment 5		552 mg/kg
Soil		28 mg/kg
111-76-2	2-butoxyethanol	
Freshwater		8,8 mg/l
Marine water		0,88 mg/l
Freshwater se	Freshwater sediment	
Marine sediment 3,4		3,46 mg/kg
Secondary poisoning 0,02 m		0,02 mg/kg
Micro-organisms in sewage treatment plants (STP)  463 mg/l		463 mg/l
Soil 2,33 mg/k		2,33 mg/kg

# 8.2. Exposure controls





# Appropriate engineering controls

Use only in well-ventilated areas.

## Individual protection measures, such as personal protective equipment

#### Eye/face protection

Wear eye/face protection. Suitable eye protection: Eye glasses with side protection (EN 166)

#### Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. 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. Tested protective gloves must be worn. Recommended glove articles: Rotiprotect Nitril Eco, Thickness of the glove material 0,1 mm, level 1 > 10 min. (DIN EN 374)

## Skin protection

Wear suitable protective clothing.





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## **SHINE HD Glass Cleaner Concentrate**

#### Respiratory protection

In case of inadequate ventilation wear respiratory protection.

## **Environmental exposure controls**

No special environmental measures are necessary. Do not allow uncontrolled discharge of product into the environment.

# SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state: Liquic Colour: pink

Odour: characteristic

Melting point/freezing point:

Boiling point or initial boiling point and

not determined

80-100 °C

boiling range: Flammability

Solid/liquid: not applicable
Gas: not applicable
Lower explosion limits: not determined
Upper explosion limits: not determined
Flash point: 61 °C
Auto-ignition temperature: not determined
Decomposition temperature: not determined

pH-Value (at 20 °C): 10,1
Viscosity / kinematic: 24 mm²/s

(at 40 °C)
Water solubility: completely miscible

(at 20 °C)

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined Vapour pressure: 48 hPa

(at 20 °C)

Vapour pressure: 239 hPa

(at 50 °C)

Density (at 20 °C): 0,975 g/cm<sup>3</sup>

#### 9.2. Other information

## Information with regard to physical hazard classes

Oxidizing properties Not oxidising.





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## **SHINE HD Glass Cleaner Concentrate**

# SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

### 10.2. Chemical stability

The product is stable under storage at normal ambient temperatures.

### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

Only use the material in places where open light, fire and other flammable sources can be kept away.

### 10.5. Incompatible materials

Strong acid. Strong alkali. Highly oxidising substances.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## SECTION 11: Toxicological information

## 11.1. Information on hazard classes as defined in CLP Regulation

### Toxicocinetics, metabolism and distribution

No information available.

#### **Acute toxicity**

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

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	isopropanol				
	oral	LD50 5840 mg/kg	Rat	ECHA	OECD 401
	dermal	LD50 12800 mg/kg	Rabbit	GESTIS	
111-76-2	2-butoxyethanol				
	oral	ATE 1200 mg/kg			
	dermal	LD50 >2000 mg/kg	Rat	ECHA	OECD 402
_	inhalation vapour	ATE 3 mg/l			

# Irritation and corrosivity

Causes serious eye irritation.

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





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# **SHINE HD Glass Cleaner Concentrate**

### Sensitising effects

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

# Carcinogenic/mutagenic/toxic effects for reproduction

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.

#### Specific effects in experiment on an animal

No information available.

## Additional information on tests

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].

# SECTION 12: Ecological information

### 12.1. Toxicity

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

CAS No	Chemical name							
	Aquatic toxicity	Dose		[h]   [d]	Species	Source	Method	
67-63-0	isopropanol							
	Acute fish toxicity	LC50 mg/l	9640	96 h	Pimephales promelas (fathead minnow)	ECHA	OECD 203	
	Acute algae toxicity	ErC50 mg/l	> 100	72 h	Scenedesmus subspicatus			
	Acute crustacea toxicity	EC50 mg/l	9714		Daphnia magna (Big water flea)	ECHA	OECD 202	
111-76-2	2-butoxyethanol							
	Acute fish toxicity	LC50 mg/l	1474	96 h	Oncorhynchus mykiss (Rainbow trout)	ECHA	OECD 203	
	Acute algae toxicity	ErC50	720 mg/l	96 h	Pseudokirchneriella subcapitata	ECHA	OECD 201	
	Acute crustacea toxicity	EC50 mg/l	1800	48 h	Daphnia magna (Big water flea)	ECHA	OECD 202	
1336-21-6	Ammonia							
	Acute fish toxicity	LC50 mg/l	0,53	1	Onchorhynchus mykiss			
	Acute crustacea toxicity	EC50	24 mg/l	48 h	Daphnia magna			



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## **SHINE HD Glass Cleaner Concentrate**

### 12.2. Persistence and degradability

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

			- ,	
CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation	-	-	
67-63-0	isopropanol			
	EU Method C.5	53%	5	ECHA
	Readily biodegradable (according to OECD criteria).			
111-76-2	2-butoxyethanol			
	OECD 301B	90,4%	28	ECHA
	Readily biodegradable (according to OECD criteria).			

### 12.3. Bioaccumulative potential

The product has not been tested.

#### Partition coefficient n-octanol/water

CAS No	Chemical name	Log Pow
67-63-0	isopropanol	0,05
111-76-2	2-butoxyethanol	0,81
1336-21-6	Ammonia	-1,38

## 12.4. Mobility in soil

The product has not been tested.

### 12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The product has not been tested.

## 12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

#### 12.7. Other adverse effects

No information available.

#### **Further information**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

## SECTION 13: Disposal considerations

## 13.1. Waste treatment methods

## Disposal recommendations

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.





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## **SHINE HD Glass Cleaner Concentrate**

### List of Wastes Code - residues/unused products

070699 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease,

soaps, detergents, disinfectants and cosmetics; wastes not otherwise specified

### Contaminated packaging

Non-contaminated packages may be recycled.

## SECTION 14: Transport information

Land transport (ADR/RID)

14.1. UN number or ID number:

 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):

 14.4. Packing group:

 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

Inland waterways transport (ADN)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
 14.4. Packing group: No dangerous good in sense of this transport regulation.

Marine transport (IMDG)

14.1. UN number or ID number: No dangerous good in sense of this transport regulation.
 14.2. UN proper shipping name: No dangerous good in sense of this transport regulation.
 14.3. Transport hazard class(es): No dangerous good in sense of this transport regulation.
 14.4. Packing group: No dangerous good in sense of this transport regulation.

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number:

 14.2. UN proper shipping name:
 14.3. Transport hazard class(es):
 14.4. Packing group:

 No dangerous good in sense of this transport regulation.

 No dangerous good in sense of this transport regulation.
 No dangerous good in sense of this transport regulation.

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No special measures are necessary.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

## SECTION 15: Regulatory information

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

**EU** regulatory information





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# **SHINE HD Glass Cleaner Concentrate**

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 40, Entry 75

2004/42/EC (VOC): 10%

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)

(SEVESO III):

**Additional information** 

To follow: 850/2004/EC, 79/117/EEC, 689/2008/EC

**National regulatory information** 

Water hazard class (D): 2 - obviously hazardous to water

### Substance/product listed in the following inventories

EU / Schweiz yes Taiwan yes New Zealand yes USA yes Canada yes Australia yes Japan yes China unknown Korea yes Philippines yes

## 15.2. Chemical safety assessment

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

## SECTION 16: Other information

## Changes

This data sheet contains changes from the previous version in section(s): 6,7,9.

#### Abbreviations and acronyms

ADR: Accord européen sur le transport des marchandises dangereuses par Route

(European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%





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# **SHINE HD Glass Cleaner Concentrate**

## Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Eye Irrit. 2; H319	Calculation method

## Relevant H and EUH statements (number and full text)

H225	Highly flammable liquid and vapour.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

### **Further 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.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.) © by SCHOLL Concepts GmbH