

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations Revision date: 05/28/2015

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

: Mixture

1.1. Product identifier

Product form Product name Product code

- : 761, DURAGLOSS GLASS CLEANER
- : Part 761 22oz, 762 Gal

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

SECTION 2: Hazards identificatio	
Classification (GHS-US)	
Eye Irrit. 2A	H319
Full text of H-phrases: see section 16	
0.0 Label elemente	
2.2. Label elements	
GHS-US labeling	
Hazard pictograms (GHS-US)	GHS07
Signal word (GHS-US)	: Warning
Hazard statements (GHS-US)	: H319 - Causes serious eye irritation
Precautionary statements (GHS-US)	 P264 - Wash thoroughly after handling P280 - Wear protective clothing 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 additional information available	
2.4. Unknown acute toxicity (GHS-U	JS)
Not applicable	
SECTION 3: Composition/inform	ation on ingredients
3.1. Substance	
Not applicable	
3.2. Mixture	

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Name	Product identifier	%	Classification (GHS-US)
1-propanol	(CAS No) 71-23-8	1 - 2	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
butyl glycolether	(CAS No) 111-76-2	0.5 - 1	Flam. Liq. 4, H227 Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation:dust,mist), H332 Skin Irrit. 2, H315 Eye Irrit. 2A, H319

Full text of H-phrases: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measures	
First-aid measures general	: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Remove the victim into fresh air. If not breathing give artificial respiration. Get immediate medical advice/attention. Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse. Remove affected clothing and wash all exposed skin area with mild soap and water, followed by warm water rinse. Wash skin with plenty of water.
First-aid measures after eye contact	Move victim away from exposure and into fresh air. Rinse immediately with plenty of water for 15 minutes. If eye irritation persists: Get medical advice/attention. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
First-aid measures after ingestion	: Do not induce vomiting. Immediately call a poison center or doctor/physician. Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention. Call a poison center/doctor/physician if you feel unwell.
4.2. Most important symptoms and e	ffects, both acute and delayed
Symptoms/injuries after eye contact	: Causes serious eye damage.
4.3. Indication of any immediate med	ical attention and special treatment needed
Treat symptomatically.	
SECTION 5: Firefighting measure	S
5.1. Extinguishing media	
Suitable extinguishing media	: Carbon dioxide. Dry chemical powder. Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.
5.2. Special hazards arising from the	substance or mixture
No additional information available	
5.3. Advice for firefighters	
Firefighting instructions	Wear normal protective equipment (full bunker gear) and possitive-pressure self contained breathing appartus. Water can be used to keep exposed containers cool, to protect;. Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	Do not enter fire area without proper protective equipment, including respiratory protection. Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release m	easures
6.1. Personal precautions, protective	equipment and emergency procedures
General measures	: Absorb spill on vermiculite floor absorbent or other absorbent material.
6.1.1. For non-emergency personnel	
Protective equipment	: Protective clothing. Protective goggles.

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

6.1.2. F	or emergency responders	
Protective e	equipment :	Do not attempt to take action without suitable protective equipment. Use personal protective equipment as required. Self-contained breathing apparatus. Equip cleanup crew with proper protection. For further information refer to section 8: "Exposure controls/personal protection".
Emergency	procedures :	Stop leak if safe to do so. Ventilate area.
6.2. E	invironmental precautions	
Avoid relea	se to the environment. Prevent entry to	sewers and public waters. Notify authorities if liquid enters sewers or public waters.
6.3. N	lethods and material for containment	and cleaning up
For contain	ment :	Transfer contaminated absorbent, soil and othe material to containers for disposal. Close container tightly and dispose of properly.
Methods for	r cleaning up :	Take up liquid spill into absorbent material. Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
Other inform	mation :	Dispose of materials or solid residues at an authorized site.
6.4. R	Reference to other sections	
See Headir	ng 8. Exposure controls and personal pro	ptection. For further information refer to section 13.
SECTION	N 7: Handling and storage	
7.1. P	Precautions for safe handling	
Additional h	nazards when processed :	Containers of this material may be hazardous when empited. All hazard precautions give should be observed.
Precautions	s for safe handling :	Ensure good ventilation of the work station. Wear personal protective equipment. Containers may be hazardous when emptied. Since emptied containers retain product residues, all hazard precautions given in the data sheet should be observed. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
Hygiene me	easures :	Wash thoroughly after handling. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. C	Conditions for safe storage, including	any incompatibilities
Storage cor	nditions :	Keep away from heat, sparks, and flames. Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use. Store in a well-ventilated place. Keep cool.
Incompatibl	le products :	Strong bases. Strong acids.
Incompatibl	le materials :	Sources of ignition. Direct sunlight.
7.3. S	pecific end use(s)	
No addition	al information available	

SECTION 8: Exposure controls/personal protection			
8.1. Control parameters			
761, DURAGLOSS GLASS C	LEANER		
ACGIH	Not applicable		
OSHA	Not applicable		
DNEL	DNEL	>=	
1-propanol (71-23-8)			
ACGIH	ACGIH TWA (ppm)	100 ppm	
ACGIH	ACGIH STEL (ppm)	100 ppm	
ACGIH	Remark (ACGIH)	Eye & URT irr	
OSHA	OSHA PEL (TWA) (mg/m³)	500 mg/m³	
OSHA	OSHA PEL (TWA) (ppm)	200 ppm	
butyl glycolether (111-76-2)			
ACGIH	ACGIH TWA (ppm)	20 ppm	
ACGIH	ACGIH STEL (ppm)	20 ppm	
OSHA	Not applicable		

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

8.2. Exposure controls	
Appropriate engineering controls	: Ensure good ventilation of the work station.
Personal protective equipment	: Avoid all unnecessary exposure.
Hand protection	: Gloves. Wear protective gloves.
Eye protection	: Chemical goggles or safety glasses. Safety glasses.
Skin and body protection	: Protective clothing.
Respiratory protection	: Respiratory protection not required in normal conditions. Wear appropriate mask.
Environmental exposure controls	: Avoid release to the environment.
Other information	: Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical	properties		
9.1. Information on basic physical and chemical properties			
Physical state	: Liquid		
Appearance	: Clear Liquid.		
Color	: Clear Liquid		
Odor	: Solvent		
Odor threshold	: No data available		
рН	: 3-4		
Relative evaporation rate (butyl acetate=1)	: No data available		
Melting point	: <196.6 °F		
Freezing point	: No data available		
Boiling point	: 206 °F		
Flash point	: > 160 °F		
Auto-ignition temperature	: No data available		
Decomposition temperature	: No data available		
Flammability (solid, gas)	: No data available		
Vapor pressure	: 68 .0 F @19.29 MBAR (14.5 mmHg)		
Relative vapor density at 20 °C	: No data available		
Relative density	: 0.99 @ 68.0 F		
Solubility	 Soluble in water. Water: Solubility in water of component(s) of the mixture : •: •: 		
Log Pow	: No data available		
Log Kow	: No data available		
Viscosity, kinematic	: No data available		
Viscosity, dynamic	: No data available		
Explosive properties	: No data available		
Oxidizing properties	: No data available		
Explosive limits	: No data available		
9.2 Other information			

9.2. Other information

No additional information available

SECTI	ON 10: Stability and reactivity			
10.1.	Reactivity			
No addit	No additional information available			
10.2.	Chemical stability			
Stable u	nder normal conditions. Not established.			
10.3.	Possibility of hazardous reactions			
Not esta	blished.			
10.4.	Conditions to avoid			
Direct su	nlight. Extremely high or low temperatures.			

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

cording to Federal Register / Vol. 77, No. 58 / Monday,	March 26, 2012 / Rules and Regulations
0.5. Incompatible materials	
Strong acids. Strong bases.	
0.6. Hazardous decomposition products	
ume. Carbon monoxide. Carbon dioxide.	
SECTION 11: Toxicological informat	ion
1.1. Information on toxicological effects	
Acute toxicity	: Not classified
1-propanol (71-23-8)	
LD50 oral rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	4049 mg/kg (Rabbit)
LC50 inhalation rat (mg/l)	9.8 mg/l/4h (Rat)
ATE US (dermal)	4049.000 mg/kg body weight
ATE US (vapors)	9.800 mg/l/4h
ATE US (dust, mist)	9.800 mg/l/4h
butyl glycolether (111-76-2)	
LD50 oral rat	1746 mg/kg body weight (Rat; Equivalent or similar to OECD 401; Experimental value)
LD50 dermal rat	 > 2000 mg/kg body weight (Rat; Experimental value; OECD 401, Experimental value) > 2000 mg/kg body weight (Rat; Experimental value; OECD 402: Acute Dermal Toxicity)
LC50 inhalation rat (mg/l)	2.2 mg/l/4h (Rat; Experimental value)
LC50 inhalation rat (ppm)	450 ppm/4h (Rat; Experimental value)
ATE US (oral)	1746.000 mg/kg body weight
ATE US (dermal)	1100.000 mg/kg body weight
ATE US (gases)	450.000 ppmV/4h
ATE US (vapors)	2.200 mg/l/4h
ATE US (dust, mist)	2.200 mg/l/4h
kin corrosion/irritation	: Not classified
	pH: 3 - 4
erious eye damage/irritation	: Causes serious eye irritation.
	pH: 3 - 4
espiratory or skin sensitization	: Not classified
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
butyl glycolether (111-76-2)	
IARC group	3 - Not classifiable
eproductive toxicity	: Not classified
pecific target organ toxicity (single exposure)	: Not classified
specific target organ toxicity (repeated	: Not classified
xposure)	
spiration hazard	: Not classified
otential Adverse human health effects and	: Based on available data, the classification criteria are not met.
ymptoms	
Symptoms/injuries after eye contact	
	: Causes serious eye damage.
SECTION 12: Ecological information	
SECTION 12: Ecological information 12.1. Toxicity Ecology - general	

1-propanol (71-23-8)	
LC50 fish 1	3200 mg/l 48 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 1	4415 mg/l (24 h; Daphnia magna)

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

	1-propanol (71-23-8)	
LC50 file 1 4480 mg/l (8h b. Dimephales promelies) C500 Daphine 2 3444 mg/l (4b h. Daphine magna) TLM other aquate organisms 1 100 - 1000.06 in Treshold imit algae 1 200 - 500. Gobio gobio Threshold imit algae 1 200 mg/l (Selenastrum capricornutum) Threshold imit algae 1 200 mg/l (108 h. Scenedesmus quadricauda) butyl glycolether (111-76-2) Exponential (4b h. Daphine magna) C505 Daphini 1 1474 ppm (96 h. Oncorhynchus mykiss) C505 Daphini 1 1910 mg/l (2h. F. Daeudokirchneriella subcapitata) Threshold limit algae 2 88 mg/l (72 h. Pseudokirchneriella subcapitata) C10 UFACIOSS GLASS CLEASE Persistence and degradability Threshold limit algae 2 88 mg/l (72 h. Pseudokirchneriella subcapitata) C10 UFACIOSS GLASS CLEASE Persistence and degradability Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (CDD) 0.20 - 04 v/s tho D Duyl of yochether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photosoidation in the air. Dayl of yochether (111-76-2)	EC50 other aquatic organisms 1	4168 mg/l (48 h; Protozoa)
TLM fish 1 200 - 500. Gabio gabio TLM other aquati organisms 1 100 - 1000.96 h Threshold Imit algae 1 2000 mg/l (Selenastrum capricomutum) Threshold Imit algae 2 3100 mg/l (168 h: Scenedesmus quadricauda) Dutyl glocelther (111-76-2) 1474 ppm (96 h: Oncorhynchus mg/las) LC50 fish 1 1474 ppm (96 h: Oncorhynchus mg/las) Threshold Imit algae 1 911 mg/l (72 h: Pseudokirchneriella subcapitata) Threshold Imit algae 2 88 mg/l (72 h: Pseudokirchneriella subcapitata) Threshold Imit algae 2 88 mg/l (72 h: Pseudokirchneriella subcapitata) 2.2. Persistence and degradability Not established. 1-propanol (71-23-8) Persistence and degradability Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under aneerobic conditions. Biochemical oxygen demand (COD) 2.23 g O/g substance 200 ovg. 90 substance DDD 2.4 g O/g substance 200 ovg. 0.44 % ThOD Dutyl glocelther (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1776 OURCOS SCIASS CLEANER Bioaccumulative potential L	LC50 fish 2	
TIM offer aquatic organisms 1 100 - 100,96 h Threshold limit algae 1 2000 mg/l (Selenastrum capricomutum) Threshold limit algae 2 3100 mg/l (Be h; Scneedesmus quadricauda) buty djoclether (111-76-2) 1474 ppm (96 h; Oncorhynchus mykiss) CSO fish 1 1474 ppm (96 h; Oncorhynchus mykiss) CSO Taprinal 1 1550 mg/l (48 h; Daprina magna) Threshold limit algae 2 88 mg/l (72 h; Pseudokrichneriella subcapita) Threshold limit algae 2 88 mg/l (72 h; Pseudokrichneriella subcapita) Threshold limit algae 2 88 mg/l (72 h; Pseudokrichneriella subcapita) 2.1 Persistonce and degradability Versistonce and degradability Not established. 1-propanol (71-23-8) Persistonce and degradability Persistonce and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anareobic conditions. Biochenical oxygen demand (BOD) 0.47 - 1.63 g O./g substance Chemical oxygen demand (BOD) 0.2.1 g O./g substance DO (% of ThOD) 0.20 - 0.44 % ThOD buty djoclether (111-76-2) Persistonce and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential<	EC50 Daphnia 2	3644 mg/l (48 h; Daphnia magna)
Threshold limit algae 1 2000 mg/l (Selenastrum capricornutum) Threshold limit algae 2 3100 mg/l (68 h; Scenedesmus quadricauda) Dutyl glocolter (111-76-2) LC50 fish 1 1474 ppm (96 h; Oncorhynchus mykiss) Threshold limit algae 1 911 mg/l (72 h; Pseudokrichneriella subcapitata) Threshold limit algae 2 88 mg/l (72 h; Pseudokrichneriella subcapitata) 22. Persistence and degradability Not established. 1707_000 (71-23-8) Persistence Persistence and degradability Not established. 1900 mg/l (COD) 2.23 g O-/g substance Chemical oxygen demand (BOD) 0.47 - 1.63 g O./g substance Biochemical oxygen demand (COD) 2.23 g O-/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glociettre (111-75-2) Persistence add degradability Persistence add degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 23. Bioaccumulative potential Not established. 1-orpanol (71-23-8) 1 Dig Pow 0.25 (Experimental value) Bioaccumulative potential Not established. 1-orpanol (71-23-8) 1 Dutyl glocolter (111-7	TLM fish 1	200 - 500,Gobio gobio
Threshold limit aigae 1 2000 mgl (Selenastrum capricomutum) Threshold limit aigae 2 3100 mgl (188 h; Scenedesmus quadricauda) Dutyl glycolether (111-76-2) LC50 Bish 1 1474 ppm (96 h; Oncorhynchus mykiss) EG50 Daphnia 1 1550 mgl (48 h; Daphnia magna) Threshold limit aigae 2 98 mgl (72 h; Pseudokirchneriella subcapitata) 2.1 Persistence and degradability 761, DURACLOSS CLASS CLASE CLASKE Persistence and degradability Not established. 1-rocpani (17-23-8) Persistence and degradability Readly biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (GDD) 0.47 - 1.63 g O.4g substance Chemical oxygen demand (COD) 2.23 g O.4g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (111-76-2) Persistence and degradability Persistence and degradability Readly biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 23. Bloaccumulative potential Not established. Persistence and degradability Readly biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 24. Bloaccumulative potential <t< td=""><td>TLM other aquatic organisms 1</td><td>100 - 1000,96 h</td></t<>	TLM other aquatic organisms 1	100 - 1000,96 h
Threshold limit algae 2 3100 mg/l (168 h; Scenedesmus quadricauda) butyl glycolether (111-76-2) 1474 ppm (96 h; Oncorthynchus mykiss) EC50 Daphnia 1 1550 mg/l (48 h; Daphnia magna) Threshold limit algae 1 911 mg/l (72 h; Pseudokirchneriella subcapitata) Threshold limit algae 2 88 mg/l (72 h; Pseudokirchneriella subcapitata) 2. Persistence and degradability Not established. 761, DURAGLOSS GLASS CLEANER Persistence and degradability Persistence and degradability Not established. 1 propanol (71-23.6) Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.53 g O./g substance Chemical oxygen demand (BOD) 0.47 - 0.133 g O./g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glyciehter (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photoxidation in the air. 1300 Gly Cost CLASS CLEANER Bioaccumulative potential Not established. 147 (13-8) Que (g substance 150 Gue Cumulative potential Not established. 150 Gue Cumulative potential Not established. 150 Gue Cumulative potential Not established. 150 Gue Cumulative potential Not establi		2000 mg/l (Selenastrum capricornutum)
LC50 fish 1 1474 ppm (96 h; Oncorhynchus mykiss) EC50 Daphnia 1 1560 mg/l (48 h; Daphnia magna) Threshol limit algae 1 911 mg/l (72 h; Pseudokirchnerielia subcapitata) Threshol limit algae 2 88 mg/l (72 h; Pseudokirchnerielia subcapitata) 2.2. Persistence and degradability Not established. Persistence and degradability Not established. 170 pona (17-33-8) Persistence and degradability Persistence and degradability Not established. 170 pona (17-33-8) Persistence and degradability Persistence and degradability Not established. 100 Concent and the soll. Biodegradable in the soll. Biodegradable in the soll under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.83 g Ox/g substance Chemical oxygen demand (COD) 2.23 g Ox/g substance BOD (% of Th-OD) 0.20 - 0.44 % ThOD bity glycolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soll. Photooxidation in the air. 170 DUS CLEANER Bioaccumulative potential 170 DUS CLEANER Not established. 170 DUS CLEANER Dioaccumulative potential 170 DUS CLEANER Low potential for bioaccumulation (Log Kow < 4).		
LCS0 fish 1 1474 ppm (96 h; Oncorhynchus mykiss) EG50 Daphnia 1 1650 mg/l (48 h; Daphnia magna) Threshol limit algae 1 911 mg/l (72 h; Pseudokirchneriella subcapitata) Threshol limit algae 2 88 mg/l (72 h; Pseudokirchneriella subcapitata) 2.2. Persistence and degradability Not established. 1767, DURACLENNER Persistence and degradability Persistence and degradability Not established. 170, DURACLENNER Persistence and degradability Persistence and degradability Not established. 170, DURACLENNER Persistence and degradability Persistence and degradability Not established. 10, Organ demand (BOD) 0.47 - 1.83 g Ox/g substance Chemical oxygen demand (COD) 2.23 g Ox/g substance BOD (% of Th-OD) 0.20 - 0.44 % ThOD buty lgycolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1-170, DURACLENNE Persistence and degradability 104 (g yourdian (11-76-2) Low potential for bioaccumulation (Log Kow < 4).	hutyl alycolether (111-76-2)	
EC50 Daphnia 1 1550 mgl (48 h; Daphnia magna) Threshol limit aigae 1 911 mgl (72 h; Pseudokirchneriella subcapitata) Threshol limit aigae 2 88 mgl (772 h; Pseudokirchneriella subcapitata) Z.2. Persistence and degradability Not established. Persistence and degradability Not established. 1-propanol (71-23-8) Readily biodegradabile in water. Biodegradable in the soil. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (SOD) 0.47 - 1.63 g O ₂ /g substance Chemical oxygen demand (COD) 2.23 g O ₂ /g substance BOD (% of TNOD) 0.20 - 0.44 % TNOD Dutyl glycolether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1-propanol (71-23-8) Low potential for bioaccumulation (Log Kow < 4).		1474 ppm (96 h: Opcorhypchus mykiss)
Threshold limit algae 1 911 mgl (72 h; Pseudokirchneriella subcapitata) 22. Persistence and degradability Not established. Persistence and degradability Not established. 1-propand (71-23-8) Persistence and degradability Persistence and degradability Readily biodegradable in water. Biodegradable in the soll. Biodegradable in the soll under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g O _x /g substance Chemical oxygen demand (BOD) 2.23 g O _x /g substance Chemical oxygen demand (BOD) 0.20 - 0.44 % ThOD BOD (% of ThOD) 0.20 - 0.44 % ThOD buty iglycolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1-propant (71-23-8) Persistence and degradability in the sit bioaccumulation (Log Kow < 4).		
Threshold limit algae 2 88 mg/l (72 h; Pseudokirchnerielia subcapitata) 2.2. Persistence and degradability TR1, DURAGLOSS GLASS CLEANER Persistence and degradability Not established. 1-propanol (71-23-8) Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g 0.Jg substance Chemical oxygen demand (COD) 2.23 g 0.Jg substance DO (% of Th-OD) 0.20 - 0.44 % Th-OD butyl glycolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1-propanol (71-23-8) Interstence Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	•	
2.2. Persistence and degradability Not established. Persistence and degradability Not established. 1-propanol (71-23-8) Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 163 g Ox/g substance 0.47 - 163 g Ox/g substance Chemical oxygen demand (COD) 2.23 g Ox/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (11-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 1-propanol (71-23-8) C Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	-	
781, DURAGLOSS GLASS CLEANER Persistence and degradability Not established. 1-propanol (71-23-8) Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g O./g substance Chemical oxygen demand (COD) 2.23 g O./g substance BOD (% of ThOD) 2.4 g O./g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD buty glycolether (111-76-2) Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3 Bioaccumulative potential Not established. 1-propanol (71-23-8) Eadelly biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. Eloaccumulative potential Not established. 1-propanol (71-23-8) Edo pow Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	-	
Persistence and degradability Not established. 1-propanol (71-23-8) Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g O_/g substance Chemical oxygen demand (COD) 2.23 g O_/g substance ThOD 2.4 g O_/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD buty divcolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3 Bioaccumulative potential Not established. Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3 Bioaccumulative potential Not established. 1-propanol (71-23-8) Low potential for bioaccumulation (Log Kow < 4).		
Important (71-23-8) Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g Ox/g substance Chemical oxygen demand (COD) 2.23 g Ox/g substance ThOD 2.4 g Ox/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD buty glycolether (111-76-2) Persistence and degradability Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 10propanol (71-23-8) 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).		
Persistence and degradability Readily biodegradable in water. Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g Ox/g substance Chemical oxygen demand (COD) 2.23 g Ox/g substance ThOD 2.4 g Ox/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD buty lgycolether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential 761, DURAGLOSS CLASS CLEANER Bioaccumulative potential Readily biodegradable in vater. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential 761, DURAGLOSS CLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Persistence and degradability	NOT ESTADIISHED.
anaerobic conditions. Biochemical oxygen demand (BOD) 0.47 - 1.63 g O_y/g substance Chemical oxygen demand (COD) 2.23 g O_y/g substance ThOD 2.4 g O_y/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (111-76-2) Persistence Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 761. DURAGLOSS GLASS CLEANER Bioaccumulative potential Bioaccumulative potential Not established. 1-propanol (71-23-8) Componential Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	1-propanol (71-23-8)	
Chemical oxygen demand (COD) 2.23 g O ₂ /g substance ThOD 2.23 g O ₂ /g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (111-76-2) Persistence Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 761, DURAGLOSS GLASS CLEANER Bioaccumulative potential Bioaccumulative potential Not established. 1-propanol (71-23-8) 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Persistence and degradability	
ThOD 2.4 g Qa/g substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential 761, DURAGLOSS GLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) 0.25 (Experimental value) Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Biochemical oxygen demand (BOD)	0.47 - 1.63 g O₂/g substance
2.4 g Gag Substance BOD (% of ThOD) 0.20 - 0.44 % ThOD butyl glycolether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Not established. 761, DURAGLOSS GLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Chemical oxygen demand (COD)	2.23 g O₂/g substance
buly glycolether (111-76-2) Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Tet, DURAGLOSS GLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	ThOD	2.4 g O ₂ /g substance
Persistence and degradability Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air. 2.3. Bioaccumulative potential Tetra potential 761, DURAGLOSS GLASS CLEANER Not established. Bioaccumulative potential Not established. 1-propanol (71-23-8) Low potential for bioaccumulation (Log Kow < 4).	BOD (% of ThOD)	0.20 - 0.44 % ThOD
2.3. Bioaccumulative potential 761, DURAGLOSS GLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	butyl glycolether (111-76-2)	
761, DURAGLOSS GLASS CLEANER Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Persistence and degradability	Readily biodegradable in water. Low potential for adsorption in soil. Photooxidation in the air.
Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	2.3. Bioaccumulative potential	
Bioaccumulative potential Not established. 1-propanol (71-23-8) Log Pow Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	761, DURAGLOSS GLASS CLEANER	
Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	Bioaccumulative potential	Not established.
Log Pow 0.25 (Experimental value) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	1-propagol (71-23-8)	
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).		0.25 (Experimental value)
butyl glycolether (111-76-2) Log Pow 0.81 (Test data; 20 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	-	
Log Pow 0.81 (Test data; 20 °C) Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).	· · · · · · · · · · · · · · · · · · ·	Low potential for bioaccumulation (Log Now < +).
Bioaccumulative potential Low potential for bioaccumulation (Log Kow < 4).		
2.4. Mobility in soil 1-propanol (71-23-8) Surface tension 0.024 N/m (20 °C) butyl glycolether (111-76-2) Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. ther information : Avoid release to the environment.	<u> </u>	
1-propanol (71-23-8) Surface tension 0.024 N/m (20 °C) butyl glycolether (111-76-2) Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. ther information : Avoid release to the environment.	Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
Surface tension 0.024 N/m (20 °C) butyl glycolether (111-76-2) Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.	2.4. Mobility in soil	
butyl glycolether (111-76-2) Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.	1-propanol (71-23-8)	
Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects Effect on ozone layer : Stiffect on the global warming : No known ecological damage caused by this product. Other information : Avoid release to the environment.	Surface tension	0.024 N/m (20 °C)
Surface tension 0.065 N/m (20 °C; 003) 2.5. Other adverse effects ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.	butyl glycolether (111-76-2)	
iffect on ozone layer : iffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.		0.065 N/m (20 °C; 003)
ffect on ozone layer : ffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.	2.5 Other adverse effects	
iffect on the global warming : No known ecological damage caused by this product. other information : Avoid release to the environment.		:
Other information : Avoid release to the environment.	·	
	3.1. Waste treatment methods	

Waste disposal recommendations

: Remove waste in accordance with local and/or national regulations. Dispose in a safe manner in accordance with local/national regulations.

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Ecology - waste materials : Avoid release to the environment. **SECTION 14: Transport information** In accordance with DOT Not regulated for transport **Additional information** Other information : No supplementary information available. **ADR** No additional information available Transport by sea No additional information available Air transport No additional information available SECTION 15: Regulatory information 15.1. US Federal regulations 761, DURAGLOSS GLASS CLEANER Not listed on the United States TSCA (Toxic Substances Control Act) inventory 1-propanol (71-23-8) Listed on the United States TSCA (Toxic Substances Control Act) inventory butyl glycolether (111-76-2) Listed on the United States TSCA (Toxic Substances Control Act) inventory 15.2. International regulations CANADA No additional information available

No additional information available Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

Classification according to Directive 67/548/EEC [DSD] or 1999/45/EC [DPD]

15.2.2. National regulations

15.3. US State regulations

1-propanol (71-23-8)

EU-Regulations

U.S. - New Jersey - Right to Know Hazardous Substance List

butyl glycolether (111-76-2)

U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List

SECTION 16: Other information	
Revision date	: 05/28/201

Other information

: 05/28/2015 : None.

7/8

Full

Safety Data Sheet according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

ext of H-phrases:	
Acute Tox. 4 (Dermal)	Acute toxicity (dermal) Category 4
Acute Tox. 4 (Inhalation:dust,mist)	Acute toxicity (inhalation:dust,mist) Category 4
Acute Tox. 4 (Oral)	Acute toxicity (oral) Category 4
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Eye Irrit. 2A	Serious eye damage/eye irritation Category 2A
Flam. Liq. 2	Flammable liquids Category 2
Flam. Liq. 4	Flammable liquids Category 4
Skin Irrit. 2	Skin corrosion/irritation Category 2
STOT SE 3	Specific target organ toxicity (single exposure) Category 3
H225	Highly flammable liquid and vapor
H227	Combustible liquid
H302	Harmful if swallowed
H312	Harmful in contact with skin
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H332	Harmful if inhaled
H336	May cause drowsiness or dizziness

SDS US (GHS HazCom 2012)

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product