

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Revision date: 21/01/2015

Date of issue: 12/01/2015

Version: 1.0

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

1.1. Product identifier

Product form : Mixture
Product Name : TG7
Product code : C015-G

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

1.2.1. Relevant identified uses

Use of the substance/mixture : Tile and grout cleaner

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Supplier

Harris Research, Inc.
1530 North 1000 West
Logan, UT 84321 USA
(435)755-0099

www.chemdry.com

Chem-Dry France

Parc d'activites "Le Prieure"
RuePaulin Viry
37530 Poce-sur-Cisse
+33 761 8906 79

a.baba@chemdry-france.fr

Chem-Dry Luxembourg S.A

Rue De La Continentale
Zac Zaemer
Bascharage, L-4917

652 26 35 00 20

info@chemdry.lu

Portugal/Angola

Ambiclean-Limpeza De Alcatifas, LDA
Rua Samaora Machel N 3-D
Urbanizacoa Alto Da Eira
Sta Iria Da Azoia, 2695-395

351 21 953 00 33

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UK/England/Scotland/Wales

Chem-Dry® Franchising Ltd.

Belprin Road

Beverly, East Yorkshire HU17 0LP

44 01482 678 645

e.info@chemdry.co.uk

1.4. Emergency telephone number

Emergency number : **Chemtrec (USA only):** (800) 424-9300
Chemtrec (outside USA): +1 703-527-3887

Europe: 112
Belgium: Poison Center (BE): +32 70 245 245
Denmark: Poison Control Hotline (DK): +45 82 12 12 12
France: ORFILA (FR): +01 45 42 59 59
Germany: Poison Center Berlin (DE): +49 030 30686 790
Poison Center Nord: +49 551 19240 (24h available English/German)
Ireland: National Poisons Information Centre (IE): +353 1 8379964
Luxembourg: 112
Netherlands: National Poisons Information Center (NL): +31 30 274 88 88

	(NB: this service is only available to health professionals)
Norway:	Posions Information (NO): +47 22 591300
Portugal:	Poison Information Center (PT): +351 21 330 3284
Sweden:	Poisons Information Center (SV): +46 8 33 12 31
Switzerland:	Poison Center: Tel 145; +41 44 251 51 51
United Kingdom:	NHS Direct (UK): +44 (0) 845 46 47; 111

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Skin Irrit. 2	H315
Eye Dam. 1	H318
Aquatic Chronic 3	H412

Full text of H-phrases: see section 16

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

Xi; R38

Xi; R41

R52/53

Full text of R-phrases: see section 16

Adverse physicochemical, human health and environmental effects

No additional information available

2.2. Label elements

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

Hazard pictograms (CLP) :



Signal word (CLP) :

Danger

Hazard statements (CLP) :

H315 - Causes skin irritation

H318 - Causes serious eye damage

H412 - Harmful to aquatic life with long lasting effects

Precautionary statements (CLP) :

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P273 - Avoid release to the environment.

P280 - Wear eye protection, protective clothing, protective gloves.

P302+P352 - IF ON SKIN: Wash with plenty of water.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 - Immediately call a POISON CENTER or doctor.

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

2.3. Other hazards

Other hazards not contributing to the classification

: Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

Name	Product identifier	%	Classification according to Directive 67/548/EEC
Amines, tallow alkyl, ethoxylated	(CAS No) 61791-26-2 (EC no) 500-153-8	1,5 - 3	Xn; R22 C; R34 Xi; R41 N; R50/53

Name	Product identifier	%	Classification according to Directive 67/548/EEC
n-Propanol	(CAS No) 71-23-8 (EC no) 200-746-9 (EC index no) 603-003-00-0	1,62	F; R11 Xi; R41 R67
Sulfuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	< 0,001	C; R35
Name	Product identifier	Specific concentration limits	
Sulfuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	(5 =< C < 15) Xi;R36/38 (C >= 15) C;R35	
Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Amines, tallow alkyl, ethoxylated	(CAS No) 61791-26-2 (EC no) 500-153-8	1,5 - 3	Acute Tox. 4 (Oral), H302 Skin Corr. 1C, H314 Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
n-Propanol	(CAS No) 71-23-8 (EC no) 200-746-9 (EC index no) 603-003-00-0	1,62	Flam. Liq. 2, H225 Eye Dam. 1, H318 STOT SE 3, H336
Sulfuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	< 0,001	Skin Corr. 1A, H314
Name	Product identifier	Specific concentration limits	
Sulfuric acid	(CAS No) 7664-93-9 (EC no) 231-639-5 (EC index no) 016-020-00-8	(5 =< C < 15) Eye Irrit. 2, H319 (5 =< C < 15) Skin Irrit. 2, H315 (C >= 15) Skin Corr. 1A, H314	

Full text of R- and 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 if possible).
- First-aid measures after inhalation : Remove to fresh air and keep at rest in a position comfortable for breathing. If you feel unwell, seek medical advice.
- First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Seek medical attention. Wash contaminated clothing before reuse.
- First-aid measures after eye contact : Rinse cautiously with water for at least 60 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
- First-aid measures after ingestion : Do not induce vomiting. Rinse mouth. Seek medical attention.

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

- Symptoms/injuries : Causes serious eye damage. Causes skin irritation.
- Symptoms/injuries after inhalation : May cause respiratory irritation.
- Symptoms/injuries after skin contact : Causes skin irritation. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.
- Symptoms/injuries after eye contact : Causes serious eye damage. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision.
- Symptoms/injuries after ingestion : Ingestion is likely to be harmful or have adverse effects.

4.3. Indication of any immediate medical attention and special treatment needed

If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire.
 Unsuitable extinguishing media : Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Not considered flammable but may burn at high temperatures.
 Explosion hazard : Not explosive.
 Reactivity : Hazardous reactions are not expected to occur under normal conditions.
 Hazardous decomposition products in case of fire : Carbon oxides (CO, CO₂). Nitrogen oxides.

5.3. Advice for firefighters

- Precautionary measures fire : Exercise caution when fighting any chemical fire.
 Firefighting instructions : Use water spray or fog for cooling exposed containers.
 Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Handle in accordance with good industrial hygiene and safety practice. Avoid breathing (vapour, mist, spray). Avoid all contact with skin, eyes, or clothing.

6.1.1. For non-emergency personnel

- Protective equipment : Use appropriate personal protection equipment (PPE).
 Emergency procedures : Evacuate unnecessary personnel.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
 Emergency procedures : Eliminate ignition sources. Ventilate area.

6.2. Environmental precautions

- Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
 Methods for cleaning up : Collect spillage immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to other sections

- See heading 8, Exposure Controls and Personal Protection. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Avoid contact with skin, eyes, and clothing. Avoid breathing vapour, mist, or spray. Use appropriate personal protection equipment (PPE).
 Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and when leaving work.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Ensure adequate ventilation. Comply with applicable regulations.
 Storage conditions : Store in a dry, cool, and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures, and incompatible materials.
 Incompatible products : Strong acids. Strong bases. Strong oxidizers.

7.3. Specific end use(s)

- Tile and grout cleaner.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

n-Propanol (71-23-8)

Austria	MAK (mg/m ³)	500 mg/m ³
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TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

n-Propanol (71-23-8)		
Austria	MAK (ppm)	200 ppm
Belgium	Limit value (mg/m ³)	250 mg/m ³
Belgium	Limit value (ppm)	100 ppm
Bulgaria	OEL TWA (mg/m ³)	300,0 mg/m ³
Bulgaria	OEL STEL (mg/m ³)	500,0 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	500 mg/m ³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	200 ppm
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m ³)	625 mg/m ³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	250 ppm
France	VME (mg/m ³)	500 mg/m ³
France	VME (ppm)	200 ppm
Greece	OEL TWA (mg/m ³)	500 mg/m ³
Greece	OEL TWA (ppm)	200 ppm
Greece	OEL STEL (mg/m ³)	625 mg/m ³
Greece	OEL STEL (ppm)	250 ppm
USA ACGIH	ACGIH TWA (ppm)	100 ppm
Latvia	OEL TWA (mg/m ³)	10 mg/m ³
Spain	VLA-ED (mg/m ³)	500 mg/m ³ (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-ED (ppm)	200 ppm (it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound)
Spain	VLA-EC (mg/m ³)	1000 mg/m ³
Spain	VLA-EC (ppm)	400 ppm
Switzerland	VME (mg/m ³)	500 mg/m ³
Switzerland	VME (ppm)	200 ppm
United Kingdom	WEL TWA (mg/m ³)	500 mg/m ³
United Kingdom	WEL TWA (ppm)	200 ppm
United Kingdom	WEL STEL (mg/m ³)	625 mg/m ³
United Kingdom	WEL STEL (ppm)	250 ppm
Czech Republic	Expoziční limity (PEL) (mg/m ³)	500 mg/m ³
Denmark	Grænseværdie (langvarig) (mg/m ³)	500 mg/m ³
Denmark	Grænseværdie (langvarig) (ppm)	200 ppm
Estonia	OEL TWA (mg/m ³)	350 mg/m ³ (all isomers)
Estonia	OEL TWA (ppm)	150 ppm (all isomers)
Estonia	OEL STEL (mg/m ³)	600 mg/m ³ (all isomers)
Estonia	OEL STEL (ppm)	250 ppm (all isomers)
Finland	HTP-arvo (8h) (mg/m ³)	500 mg/m ³
Finland	HTP-arvo (8h) (ppm)	200 ppm
Finland	HTP-arvo (15 min)	620 mg/m ³
Finland	HTP-arvo (15 min) (ppm)	250 ppm
Ireland	OEL (8 hours ref) (ppm)	100 ppm

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

n-Propanol (71-23-8)		
Ireland	OEL (15 min ref) (ppm)	300 ppm (calculated)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	245 mg/m ³
Norway	Gjennomsnittsverdier (AN) (ppm)	100 ppm
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m ³)	306,25 mg/m ³
Norway	Gjennomsnittsverdier (Korttidsverdi) (ppm)	150 ppm
Poland	NDS (mg/m ³)	200 mg/m ³
Poland	NDSCh (mg/m ³)	600 mg/m ³
Romania	OEL TWA (mg/m ³)	200 mg/m ³
Romania	OEL TWA (ppm)	81 ppm
Romania	OEL STEL (mg/m ³)	500 mg/m ³
Romania	OEL STEL (ppm)	203 ppm
Sweden	nivågränsvärde (NVG) (mg/m ³)	350 mg/m ³
Sweden	nivågränsvärde (NVG) (ppm)	150 ppm
Sweden	kortidsvärde (KTV) (mg/m ³)	600 mg/m ³
Sweden	kortidsvärde (KTV) (ppm)	250 ppm
Portugal	OEL TWA (ppm)	200 ppm
Portugal	OEL STEL (ppm)	400 ppm
Portugal	OEL chemical category (PT)	A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans
Sulfuric acid (7664-93-9)		
EU	IOELV TWA (mg/m ³)	0,05 mg/m ³ (taking into account potential limitations and interferences which take place in the presence of other Sulphur compounds-mist)
Austria	MAK (mg/m ³)	0,1 mg/m ³ (corresponds to 0.05 mg/m ³ Thoracic-inhalable fraction)
Austria	MAK Short time value (mg/m ³)	0,2 mg/m ³ (inhalable fraction)
Belgium	Limit value (mg/m ³)	0,2 mg/m ³
Bulgaria	OEL TWA (mg/m ³)	0,05 mg/m ³ (When choosing a suitable method for monitoring exposure should take into account potential constraints and interactions that may occur in the presence of other sulfur compounds-respirable fraction)
Croatia	GVI (granična vrijednost izloženosti) (mg/m ³)	0,05 mg/m ³
Cyprus	OEL TWA (mg/m ³)	0,05 mg/m ³ (vapor)
France	VLE (mg/m ³)	3 mg/m ³
France	VME (mg/m ³)	0,05 mg/m ³
Germany	TRGS 900 Occupational exposure limit value (mg/m ³)	0,1 mg/m ³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed-inhalable fraction)
Gibraltar	OEL TWA (mg/m ³)	0,05 mg/m ³ (when selecting an appropriate exposure monitoring method, account should be taken of potential limitations and interferences that may arise in the presence of other sulphur compounds-thoracic fraction)
Greece	OEL TWA (mg/m ³)	0,05 mg/m ³ (mist)
USA ACGIH	ACGIH TWA (mg/m ³)	0,2 mg/m ³ (thoracic fraction)

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

Sulfuric acid (7664-93-9)		
Italy	OEL TWA (mg/m ³)	0,05 mg/m ³ (When choosing a suitable method for monitoring exposure should take into account potential constraints and interactions that may occur in the presence of other sulfur compounds, respirable fraction-thoracic fraction, mist)
Latvia	OEL TWA (mg/m ³)	0,05 mg/m ³ (choosing an appropriate exposure monitoring method, there should be taken into account the possible limitations and the impact that may result from the presence of other sulfur components-fog, which is defined as the thoracic fraction)
Spain	VLA-ED (mg/m ³)	0,05 mg/m ³ (indicative limit value; it is prohibited the partial or complete commercialization or use of this substance as a phytosanitary or biocide compound; limitations and interferences can arise from other Sulfur compounds-mist)
Switzerland	VLE (mg/m ³)	0,1 mg/m ³ (inhalable)
Switzerland	VME (mg/m ³)	0,1 mg/m ³ (inhalable)
Netherlands	Grenswaarde TGG 8H (mg/m ³)	0,05 mg/m ³ (defined as thoracic fraction-mist)
United Kingdom	WEL TWA (mg/m ³)	0,05 mg/m ³ (mist)
Czech Republic	Expoziční limity (PEL) (mg/m ³)	1 mg/m ³ 0,05 mg/m ³ (concentrated-mist)
Denmark	Grænseværdie (langvarig) (mg/m ³)	0,05 mg/m ³ (thoracic fraction-mist)
Estonia	OEL TWA (mg/m ³)	1 mg/m ³ (fume)
Finland	HTP-arvo (8h) (mg/m ³)	0,05 mg/m ³
Finland	HTP-arvo (15 min)	0,1 mg/m ³
Hungary	AK-érték	0,05 mg/m ³
Ireland	OEL (8 hours ref) (ppm)	0,05 ppm
Ireland	OEL (15 min ref) (ppm)	0,15 ppm (calculated)
Lithuania	IPRV (mg/m ³)	0,05 mg/m ³ (vapor)
Lithuania	TPRV (mg/m ³)	3 mg/m ³ (vapor)
Luxembourg	OEL TWA (mg/m ³)	0,05 mg/m ³
Malta	OEL TWA (mg/m ³)	0,05 mg/m ³ (mist)
Norway	Gjennomsnittsverdier (AN) (mg/m ³)	0,1 mg/m ³ (inhalable fraction)
Norway	Gjennomsnittsverdier (Korttidsverdi) (mg/m ³)	0,3 mg/m ³ (inhalable fraction)
Poland	NDS (mg/m ³)	1 mg/m ³ (mist) 0,05 mg/m ³ (inhalable fraction)
Poland	NDSch (mg/m ³)	3 mg/m ³ (mist)
Romania	OEL TWA (mg/m ³)	0,05 mg/m ³
Slovakia	NPHV (priemerná) (mg/m ³)	0,1 mg/m ³
Slovenia	OEL TWA (mg/m ³)	0,05 mg/m ³ (inhalable fraction, fog)
Sweden	nivågränsvärde (NVG) (mg/m ³)	0,1 mg/m ³
Sweden	kortidsvärde (KTV) (mg/m ³)	0,2 mg/m ³
Portugal	OEL TWA (mg/m ³)	0,05 mg/m ³ (thoracic fraction-mist)
Portugal	OEL chemical category (PT)	A2 - Suspected Human Carcinogen present in strong inorganic acid mixtures

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

8.2. Exposure controls

Appropriate engineering controls : Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

Personal protective equipment : Protective goggles. Gloves. Protective clothing.



Materials for protective clothing : Chemically resistant materials and fabrics.

Hand protection : Wear chemically resistant protective gloves.

Eye protection : Chemical safety goggles.

Skin and body protection : Wear appropriate personal protective equipment.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Consumer exposure controls : 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
Colour	: Amber
Odour	: Alcohol
Odour threshold	: No data available
pH	: 6,5 - 8,5
Evaporation rate	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: No data available
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Complete
Partition coefficient: n-octanol/water	: No data available
Viscosity	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available

9.2. Other information

VOC content : < 2 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions are not expected to occur under normal conditions.

10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of hazardous reactions

Hazardous polymerization is not expected to occur under normal conditions.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures. Incompatible materials.

10.5. Incompatible materials

Strong acids. Strong bases. Strong oxidizers.

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

10.6. Hazardous decomposition products

Carbon oxides (CO, CO₂). Nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Amines, tallow alkyl, ethoxylated (61791-26-2)

ATE CLP (oral)	500,00 mg/kg bodyweight
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n-Propanol (71-23-8)

LD50 oral rat	1870 mg/kg
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LD50 dermal rabbit	4049 mg/kg
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LC50 inhalation rat (ppm)	> 13548 ppm/4h
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Sulfuric acid (7664-93-9)

LD50 oral rat	2140 mg/kg
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LC50 inhalation rat (mg/l)	510 mg/m ³ (Exposure time: 2 h)
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Skin corrosion/irritation : Causes skin irritation.

pH: 6,5 - 8,5

Serious eye damage/irritation : Causes serious eye damage.

pH: 6,5 - 8,5

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Sulfuric acid (7664-93-9)

IARC group	1
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Reproductive toxicity : Not classified

Specific target organ toxicity (single exposure) : Not classified

Specific target organ toxicity (repeated exposure) : Not classified

Aspiration hazard : Not classified

Symptoms/Injuries After Inhalation : May cause respiratory irritation.

Symptoms/Injuries After Skin Contact : Causes skin irritation. Symptoms may include redness, pain, swelling, itching, burning, dryness, and dermatitis.

Symptoms/Injuries After Eye Contact : Causes serious eye damage. Symptoms may include redness, pain, swelling, itching, burning, tearing, and blurred vision.

Symptoms/Injuries After Ingestion : Ingestion is likely to be harmful or have adverse effects.

SECTION 12: Ecological information

12.1. Toxicity

n-Propanol (71-23-8)

LC50 fishes 1	4480 mg/l (Exposure time: 96 h - Species: Pimephales promelas [flow-through])
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EC50 Daphnia 1	3642 mg/l (Exposure time: 48 h - Species: Daphnia magna)
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EC50 Daphnia 2	3339 - 3977 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
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Sulfuric acid (7664-93-9)

LC50 fishes 1	500 mg/l (Exposure time: 96 h - Species: Brachydanio rerio [static])
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LC50 fish 2	42 mg/l (Exposure time: 96 h - Species: Gambusia affinis [static])
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12.2. Persistence and degradability

TG7

Persistence and degradability	Not established.
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12.3. Bioaccumulative potential

TG7

Bioaccumulative potential	Not established.
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TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

n-Propanol (71-23-8)	
Log Pow	0,25 - 0,34
Sulfuric acid (7664-93-9)	
BCF fish 1	(no bioaccumulation)

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

12.6. Other adverse effects

Other information : Avoid release to the environment.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Sewage disposal recommendations : Do not empty into drains; dispose of this material and its container in a safe way.

Waste disposal recommendations : Dispose of waste material in accordance with all local, regional, national, and international regulations.

SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
Not regulated for transport				
14.2. UN proper shipping name				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.3. Transport hazard class(es)				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.4. Packing group				
Not applicable	Not applicable	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No

14.6. Special precautions for user

No additional information available

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	TG7
3.b. Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	Sulfuric acid

40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.

n-Propanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

n-Propanol (71-23-8)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Sulfuric acid (7664-93-9)

Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

VOC content : < 2 %

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Revision date : 21/01/2015

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), Category 4
Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Flam. Liq. 2	Flammable liquids, Category 2
Skin Corr. 1A	Skin corrosion/irritation, Category 1A
Skin Corr. 1C	Skin corrosion/irritation, Category 1C
Skin Irrit. 2	Skin corrosion/irritation, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H302	Harmful if swallowed
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
H412	Harmful to aquatic life with long lasting effects
R11	Highly flammable
R22	Harmful if swallowed
R34	Causes burns
R35	Causes severe burns
R38	Irritating to skin
R41	Risk of serious damage to eyes
R50/53	Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment

TG7

Safety Data Sheet

According to Regulation (EC) No. 453/2010

R52/53	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment
R67	Vapours may cause drowsiness and dizziness
C	Corrosive
F	Highly flammable
N	Dangerous for the environment
Xi	Irritant
Xn	Harmful

Harris Research Inc EU GHS SDS

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.