



Material Safety Data Sheet



Spot stain remover for quarry and terra cotta tiles,
brick, concrete etc.

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1660564
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 2.01
Country : Netherlands **Validation date** : 15-10-2007.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 15-10-2007.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
Internet: : www..hginternational.com **Telephone No.:** : +1.705.726.5445
Supplier : Solstrand Trading **Fax** : +1.705.734.0857
Address : 60 Lockhart road Barrie, Ontario L4N 9G8 **Country** : Canada
Material uses : Cleans oil, grease , fat and other stubborn stains from a variety of surfaces such as quarry and terra cotta tiles, brick, natural stone, etc.

 **In Case of Emergency** : Chem. Tel Inc. (813) 248 0585 or Toll free (800) 255 3924

Section 2. Composition, Information on Ingredients

Name	CAS #	% by weight	Exposure limits
1,2,4-Trimethylbenzene	95-63-6	5 - 15	Not available.
propan-2-ol	67-63-0	1 - 5	Not available.
Mesitylene	108-67-8	1 - 5	Not available.
diphosphoric acid, tetrapotassium salt	7320-34-5	1 - 5	Not available.
alcohols, c12-18, ethoxylated	68213-23-0	1 - 5	Not available.
cumene	98-82-8	1 - 5	Not available.
benzenesulfonic acid, c10-16-alkyl derivs.	85536-14-7	1 - 5	Not available.
poly(oxy-1,2-ethanediyl), .alpha.-sulfo-.omega.-hydroxy-, c12-14-alkyl ethers, sodium salts	68891-38-3	1 - 5	Not available.
Xylene	1330-20-7	0 - 1	Not available.
phosphoric acid	7664-38-2	0 - 1	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid. (Opalescente)

Emergency overview : CAUTION
POISON
HARMFUL IF SWALLOWED.
IRRITANT.
COMBUSTIBLE.
May cause eye irritation.
Do not swallow.
Do not get in eyes, on skin or on clothing.
Do not breathe fumes.
Keep away from heat, sparks and flame.

Routes of entry : Dermal contact. Eye contact. Ingestion.

Potential acute health effects

Eyes : This product may irritate eyes and skin upon contact. Inflammation of the eye is characterized by redness, watering and itching.

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Skin : Can cause irritation. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

Inhalation : Hazardous in case of inhalation (lung irritant, lung sensitizer). Over-exposure by inhalation may cause respiration irritation.

Ingestion : Aspiration hazard if swallowed. Can enter lungs and cause damage.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [propan-2-ol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Xylene].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by overexposure: : Repeated or prolonged exposure is not known to aggravate any medical condition.

Over-exposure signs/symptoms : Not available.

[See toxicological Information \(section 11\)](#)

Section 4. First aid measures

Eye Contact : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.

Skin Contact : In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention.

Inhalation : If inhaled, remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion : Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If potentially dangerous quantities of this material have been swallowed, call a physician immediately.

Notes to Physician : Not available.

Section 5. Fire fighting measures

Flammability of the product : Flammable.

Auto-ignition Temperature : Lowest known value: 280°C (536°F) (benzenesulfonic acid, c10-16-alkyl derivs.).

Flash Points : Closed cup: 48°C (118.4°F). (Pensky-Martens.)

Flammable limits : Greatest known range: Lower: 2% Upper: 13% (propan-2-ol)

Products of combustion : Decomposition products may include the following materials: carbon oxides (CO, CO₂)

Fire hazards in presence of various substances : Not available.

Explosion hazards in presence of various substances : Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.

Fire fighting media and instructions : In case of fire, use water spray (fog), foam, dry chemical or CO₂.
Flammable liquid and vapor. Vapor may cause flash fire. Vapors may accumulate in low or confined areas or travel a considerable distance to a source of ignition and flash back. Runoff to sewer may create fire or explosion hazard.

Special protective equipment for fire-fighters : Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

Special remarks on fire hazards : Not available.

Special remarks on explosion hazards : Not available.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Eliminate all ignition sources. Keep unnecessary personnel away. Use suitable protective equipment (section 8). Do not touch or walk through spilled material.
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.
- Methods for cleaning up** : If emergency personnel are unavailable, contain spilled material. For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use a non-sparking or explosion-proof means to transfer material to a sealable, appropriate container for disposal. For large spills, dike spilled material or otherwise contain it to ensure runoff does not reach a waterway. Place spilled material in an appropriate container for disposal.

Section 7. Handling and storage

- Handling** : Do not ingest. Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Wash thoroughly after handling.
- Storage** : Store in a segregated and approved area. Keep container in a cool, well-ventilated area. Keep container tightly closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame).

Section 8. Exposure Controls, Personal Protection

- Engineering controls** : Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Eyes : Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts.

Skin : Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Respiratory : Use a properly fitted, air-purifying or air-fed respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands : Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Other protection : Not available.

Personal protective equipment (Pictograms)



Personal protection in case of a large spill : Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be adequate. Consult a specialist before handling this product.

[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and chemical properties

- Physical State and Appearance** : Liquid. (Opalescent)
- Color** : White. Yellow. (Light.)
- Odor** : Solvent.
- pH** : 8.6 [Basic.]
- Relative density** : 0.946
- Viscosity** : Not available.
- Solubility** : Easily soluble in the following materials: hot water, diethyl ether, acetone. Soluble in the following materials: cold water.
- Flash point** : Closed cup: 48°C (118.4°F). (Pensky-Martens.)

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- Explosive properties** : Risk of explosion of the product in the presence of mechanical impact: Not available.
Risk of explosion of the product in the presence of static discharge: Not available.
- Explosion Limits** : Greatest known range: Lower: 2% Upper: 13% (propan-2-ol)
- Oxidizing properties** : Not applicable
- Physical chemical comments** : Solubility in other solvents: not soluble

Section 10. Stability and reactivity

- Stability and Reactivity** : Stable under recommended storage and handling conditions (see section 7).
- Conditions of instability** : No additional remark.
- Incompatibility with various substances** : Reactive with alkalis.
- Hazardous Decomposition Products** : carbon oxides (CO, CO₂)
- Hazardous polymerization** : Will not occur.

Section 11. Toxicological information

propan-2-ol	LD50	5045 mg/kg	Oral	Rat
	LD50	6410 mg/kg	Oral	Rabbit
	LD50	3600 mg/kg	Oral	Mouse
	LD50	12800 mg/kg	Dermal	Rabbit
	LD50	12800 mg/kg	Dermal	Rabbit
	LDLo	1537 mg/kg	Oral	Dog
	LDLo	3570 mg/kg	Oral	human
diphosphoric acid, tetrapotassium salt	LD50	>2000 mg/kg	Oral	Rat
	LD50	>4640 mg/kg	Dermal	Rabbit
	LDLo	4640 mg/kg	Oral	Rat
alcohols, c12-18, ethoxylated	LD50	2500 to 5000 mg/kg	Oral	Rat
	LD50	>5000 mg/kg	Dermal	Rabbit
cumene	LD50	1400 mg/kg	Oral	Rat
	LD50	12750 mg/kg	Oral	Mouse
	LD50	1150 mg/kg	Oral	Rat
benzenesulfonic acid, c10-16-alkyl derivs. Xylene	LD50	4300 mg/kg	Oral	Rat
	LD50	2119 mg/kg	Oral	Mouse
	LD50	4300 mg/kg	Oral	Mammal
	LD50	>1700 mg/kg	Dermal	Rabbit
	LD50	1700 mg/kg	Dermal	Rabbit
	LDLo	50 mg/kg	Oral	human
	phosphoric acid	LD50	1530 mg/kg	Oral
LD50		2740 mg/kg	Dermal	Rabbit

IDLH :

Chronic effects on humans : **CARCINOGENIC EFFECTS:** Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [propan-2-ol]. Classified A4 (Not classifiable for humans or animals.) by ACGIH, 3 (Not classifiable for humans.) by IARC [Xylene].
Contains material which causes damage to the following organs: blood, upper respiratory tract, skin, central nervous system (CNS), eye, lens or cornea

Other toxic effects on humans : Hazardous by the following route of exposure: of eye contact (irritant), of inhalation (lung irritant).

Special remarks on toxicity to animals : Not available.

Special remarks on chronic effects on humans : Not available.

Special remarks on other toxic effects on humans : Not available.

Specific effects

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- Carcinogenic effects** : Contains material which may cause cancer, based on animal data. Risk of cancer depends on duration and level of exposure.
- Mutagenic effects** : No known significant effects or critical hazards.
- Reproduction toxicity** : No known significant effects or critical hazards.

Section 12. Ecological information






1,2,4-Trimethylbenzene propan-2-ol	Pimephales promelas (LC50)	96 hour(s)	7.72 mg/l
	FATHEAD MINNOWS (EC50)	96 hour(s)	6550 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	>1400 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6550 mg/l
	Pimephales promelas (LC50)	96 hour(s)	9640 mg/l
	Pimephales promelas (LC50)	96 hour(s)	10400 mg/l
Mesitylene	Pimephales promelas (LC50)	96 hour(s)	11130 mg/l
	Scenedesmus subspicatus (EC50)	48 hour(s)	25 mg/l
diphosphoric acid, tetrapotassium salt alcohols, c12-18, ethoxylated	Scenedesmus subspicatus (EC50)	48 hour(s)	53 mg/l
	Fish (LC50)	48 hour(s)	>750 mg/l
	Daphnia (EC50)	48 hour(s)	0.75 to 1.2 mg/l
cumene	Rainbowtrout (LC50)	96 hour(s)	1.8 mg/l
	Daphnia magna (EC50)	48 hour(s)	10.6 mg/l
	Daphnia magna (EC50)	48 hour(s)	11.2 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	2.7 mg/l
	Poecilia reticulata (LC50)	96 hour(s)	5.1 mg/l
	Pimephales promelas (LC50)	96 hour(s)	6.32 mg/l
benzenesulfonic acid, c10-16-alkyl derivs.	Aquatic invertebrates. (EC50)	48 hour(s)	1 to 10 mg/l
	Fauna (EC50)	72 hour(s)	10 to 100 mg/l
	Brachydanio Rerio (LC50)	96 hour(s)	1 to 10 mg/l
Xylene	Oncorhynchus mykiss (LC50)	96 hour(s)	3.3 mg/l
	Oncorhynchus mykiss (LC50)	96 hour(s)	8.2 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	8.6 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	12 mg/l
	Lepomis macrochirus (LC50)	96 hour(s)	13.3 mg/l
	Pimephales promelas (LC50)	96 hour(s)	13.4 mg/l

- BOD and COD** : Not available.
- Biodegradable/OECD** : Partially biodegradable.
- Mobility** : Not available.
- Products of degradation** : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂ etc.), sulfur oxides (SO₂, SO₃ etc.), phosphates. Some metallic oxides.
- Toxicity of the products of biodegradation** : Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
- Special remarks on the products of biodegradation** : No additional remark.


Section 13. Disposal considerations

- Waste information** : The generation of waste should be avoided or minimized wherever possible. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.
- Waste stream** : Not available.
- [Consult your local or regional authorities.](#)

Section 14. Transport information

Regulatory Information	UN number	Proper shipping name	Class	Packing group	Label	Additional information
DOT Classification	3295	UN 3295, HYDROCARBONS, LIQUID, N.O.S., (Aromatic Hydrocarbons, 22%, mixture), Class 3, PG III, (FP 129.2°F) (1,2,4-Trimethylbenzene). Marine pollutant (cumene)	Combustible liquid.	III	 	Marine pollutant Marine pollutant (P) Limited quantity Yes. Special provisions Limited Quantities Remarks ORM-D / CONSUMER COMMODITY
TDG Classification	3295	UN 3295, HYDROCARBONS, LIQUID, N.O.S., (Aromatic Hydrocarbons, 22%, mixture), Class 3, PG III, (FP 129.2°F) (1,2,4-Trimethylbenzene). Marine pollutant	3	III		Marine pollutant Marine pollutant (P) Special provisions ORM-D / CONSUMER COMMODITY Remarks Limited Quantity
ADR/RID Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", III, ADR (1,2,4-Trimethylbenzene)	3	III		Hazard identification number 30 Reportable quantity 45 Remarks Limited quantity for upto 5 litre inner packing Else; UN 3295, HYDROCARBONS, LIQUID, N.O.S., (Aromatic hydrocarbons, mixture), class 3, III, ADR
IMDG Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (1,2,4-Trimethylbenzene). Marine pollutant (alcohols, c12-18, ethoxylated, poly(oxy-1,2-ethanediyl), .alpha.,.alpha.'-(9-octadecenylimino)di-2,1-ethanediyl]bis[.omega.-hydroxy-, (z)-)	3	III		Emergency schedules (EmS) 3-07 Marine pollutant Marine pollutant (P) Reportable quantity 30 Remarks Limited quantity for upto 5 litre inner packing Else; HYDROCARBONS, LIQUID, N.O.S., (Aromatic hydrocarbons, 43%, mixture), class 3,

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						UN 3295, PG III, (+48°C c.c.)
IATA-DGR Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (1,2,4-Trimethylbenzene)	3	III		Remarks Else; HYDROCARBONS, LIQUID, N.O.S., (Aromatic hydrocarbons, 43%, mixture), class 3, UN 3295, PG III, (+48°C c.c.)

Section 15. Regulatory information

WHMIS (Canada) : Class B-2: Flammable liquid with a flash point lower than 37.8°C (100°F).
No products were found.

International regulations

- EINECS** : Not available.
- DSCL (EEC)** : R10- Flammable.
R65- Harmful: may cause lung damage if swallowed.
R36/37- Irritating to eyes and respiratory system.
R66- Repeated exposure may cause skin dryness or cracking.
R67- Vapors may cause drowsiness and dizziness.
R51/53- Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

International lists :

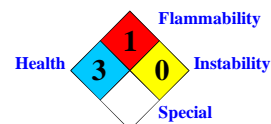
Section 16. Other information

Label Requirements : POISON
HARMFUL IF SWALLOWED.
IRRITANT.
COMBUSTIBLE.

Hazardous Material Information System (U.S.A.)

Health	3
Fire hazard	1
Reactivity	0
Personal protection	C

National Fire Protection Association (U.S.A.)



References : Not available.

Other special considerations : Not available.

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