



Material Safety Data Sheet



Carpet & upholstery cleaner

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1511000
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.04
Country : Netherlands **Validation date** : 5/19/2010.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 5/19/2010.
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Supplier : Solstrand Trading **Fax** : +1.705.734.0857
Address : 60 Lockhart road Barrie, Ontario L4N 9G8 **Country** : Canada
Material uses : Cleaner.
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
2,5-furandione, polymer with ethenylbenzene, ammonium salt	26022-09-3	1-5	Not available.
sulfuric acid, mono(2-ethylhexyl) ester, sodium salt	126-92-1	1-5	Not available.
xylenesulfonic acid, sodium salt	1300-72-7	1-5	Not available.
2-ethyl hexanol	104-76-7	0.1- 0.2	Not available.
Polymer from propyleenoxid and ethyleenoxid		0-1	Not available.
Preservative.		0.01 - 0.1	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Not applied (Non-dangerous substances)
NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.
No known significant effects or critical hazards. Avoid prolonged contact with eyes, skin and clothing.

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

Potential acute health effects

- Eyes** : No known significant effects or critical hazards.
- Skin** : No known significant effects or critical hazards.
- Inhalation** : Exposure to decomposition products may cause a health hazard. Serious effects may be delayed following exposure.
- Ingestion** : No known significant effects or critical hazards.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Not available.
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

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

Over-exposure signs/symptoms : Not available.

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

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Section 4. First aid measures

- Eye Contact** : Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention if irritation occurs.
- Skin Contact** : Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur. Wash clothing before reuse. Clean shoes thoroughly before reuse.
- Inhalation** : Move exposed person to fresh air. Keep person warm and at rest. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get medical attention if symptoms occur. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband. In case of inhalation of decomposition products in a fire, symptoms may be delayed. The exposed person may need to be kept under medical surveillance for 48 hours.
- Ingestion** : Wash out mouth with water. Remove dentures if any. Move exposed person to fresh air. Keep person warm and at rest. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if symptoms occur. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : Non-flammable.
- Auto-ignition Temperature** : Not applicable.
- Flash Points** : Not applicable.
- Flammable limits** : Not applicable.
- Products of combustion** : carbon oxides (CO, CO₂) nitrogen oxides (NO, NO₂...) sulfur oxides (SO₂, SO₃...)
- Fire hazards in presence of various substances** : Not applicable.
- Explosion hazards in presence of various substances** : Not available.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for the surrounding fire.
Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.
In a fire or if heated, a pressure increase will occur and the container may burst.
- 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** : Non combustible.
- Special remarks on explosion hazards** : No additional remark.

Section 6. Accidental release measures

- Personal precautions** : No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see section 8).
- Environmental precautions** : Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

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Methods for cleaning up : Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Section 7. Handling and storage

Handling : Put on appropriate personal protective equipment (see section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage : Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10) and food and drink. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Section 8. Exposure Controls, Personal Protection

Engineering controls : No special ventilation requirements.

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, gases 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 sufficient; consult a specialist BEFORE handling this product.

Product Name	Exposure limits
2,5-furandione, polymer with ethenylbenzene, ammonium salt	Not available.
2-ethyl hexanol	Not available.
sulfuric acid, mono(2-ethylhexyl) ester, sodium salt Preservative.	Not available.
Polymer from propyleenoxid and ethyleenoxid	Not available.
Sodium hydroxide	Not available.
Ammonia	Not available.
xylenesulfonic acid, sodium salt	Not available.

Consult local authorities for acceptable exposure limits.

Section 9. Physical and chemical properties

Physical State and Appearance	: Liquid.
Color	: Yellow. [Light]
Odor	: Characteristic.
pH	: 9.2 (Conc. (% w/w): 100) [Basic.]
Relative density	: 1.03 g/cm ³ (20°C / 68°F)
Viscosity	: Not available.
Solubility	: Soluble in the following materials: cold water, hot water.
Flash point	: Not applicable.
Explosive properties	: Not available.
Oxidizing properties	: Not applicable
Physical chemical comments	: Solubility in other solvents: not soluble

Section 10. Stability and reactivity

Stability and Reactivity	: The product is stable.
Conditions of instability	: Stable under recommended storage and handling conditions (see section 7).
Incompatibility with various substances	: Very slightly reactive or incompatible with the following materials: acids
Hazardous Decomposition Products	: carbon oxides (CO, CO ₂) nitrogen oxides (NO, NO ₂ ...) sulfur oxides (SO ₂ , SO ₃ ...)
Hazardous polymerization	: Will not occur.

Section 11. Toxicological information

2-ethyl hexanol	LD50	3730 mg/kg	Oral	Rat
	LD50	1180 mg/kg	Oral	Rabbit
	LD50	1860 mg/kg	Oral	Guinea pig
	LD50	1970 mg/kg	Dermal	Rabbit
sulfuric acid, mono(2-ethylhexyl) ester, sodium salt	LD50	3580 mg/kg	Oral	Rabbit
	LD50	650 mg/kg	Oral	Guinea pig
	LD50	1550 mg/kg	Oral	Mouse
	LDLo	1520 mg/kg	Dermal	Guinea pig
Sodium hydroxide	LDLo	500 mg/kg	Oral	Rabbit
	LD50	350 mg/kg	Oral	Rat
	LDLo	43 mg/kg	Oral	human
Ammonia	LDLo	750 mg/kg	Oral	Cat.
	LDLo	750 mg/kg	Oral	human
Polymer from propyleenoxid and ethyleenoxid	LD50	>2000 mg/kg	Oral	Rat
	LD50	>2000 mg/kg	Oral	Rat

Chronic effects on humans : Not available.

Other toxic effects on humans : No specific information is available in our database regarding the other toxic effects of this material for humans.

Special remarks on toxicity to animals : Very low toxicity for humans or animals. (Preservative.)

Special remarks on chronic effects on humans : Repeated or prolonged exposure is not known to aggravate medical condition.

Special remarks on other toxic effects on humans : No additional remark.

Specific effects

Carcinogenic effects : No known significant effects or critical hazards.

Mutagenic effects : No known significant effects or critical hazards.

Reproduction toxicity : No known significant effects or critical hazards.

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Section 12. Ecological information

2-ethyl hexanol	Lepomis macrochirus (LC50)	96 hour(s)	10 mg/l
	Pimephales promelas (LC50)	96 hour(s)	28.2 mg/l
Polymer from propyleenoxid and ethyleenoxid	LEUCISCUS IDUS (LC50)	96 hour(s)	>100 mg/l
	Algae (EC50)	48 hour(s)	>100 mg/l

BOD and COD : Not available.

Biodegradable/OECD : Biodegradable

Mobility : Not available.

Products of degradation : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water, nitrogen oxides (NO, NO₂...), sulfur oxides (SO₂, SO₃...)

Toxicity of the products of biodegradation : The products of degradation are less toxic than the product itself.

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. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. 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. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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	Not regulated.	-	-	Not available.		Keep in frostfree area
TDG Classification	Not regulated.	-	-	Not available.		Keep in frostfree area
ADR/RID Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IMDG Class	Not regulated.	-	-	-		Remarks Keep in frostfree area
IATA-DGR Class	Not regulated.	-	-	-		Remarks Keep in frostfree area

Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).
CEPA DSL: aqua; SMA harz 1000 H; xylenesulfonic acid, sodium salt; 1,3-bis(hydroxymethyl)urea; methanol, [2-(2-butoxyethoxy)ethoxy]-; Ammonia; sulfuric acid, mono(2-ethylhexyl) ester, sodium salt; 2-ethyl hexanol; Sodium hydroxide

International regulations

EINECS : Not available.

DSCL (EEC) : This product is not classified according to the EU regulations.

International lists : Not available.

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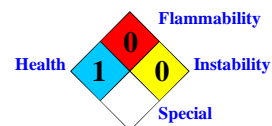
Section 16. Other information

Label Requirements : NOT EXPECTED TO PRODUCE SIGNIFICANT ADVERSE HEALTH EFFECTS WHEN THE RECOMMENDED INSTRUCTIONS FOR USE ARE FOLLOWED.

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

Health	1
Fire hazard	0
Reactivity	0
Personal protection	C

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



References : Not available.

Other special considerations : Not available.

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Notice to reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.