



Material Safety Data Sheet




Impregnator

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 1201064
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.07
Country : Netherlands **Validation date** : 5/19/2010.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 5/19/2010.
Fax : +31 (0)36 54 94 744 **Responsible name** : P. Stienstra
Internet: : www.hg.eu **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 : Protects against pollutant and stains.

 **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
Naphtha (petroleum), hydrodesulfurized heavy	64742-82-1	30 - 100	Not available.
isobutyl methacrylate, 2-ethylhexyl acrylate polymer	27881-32-9	5-15	Not available.
1,2,4-Trimethylbenzene	95-63-6	0 - 1	Not available.
Naphta (petroleum) low boiling	64742-95-6	0-1	Not available.
naphta unspecified			
Mesitylene	108-67-8	0-0.1	Not available.
cumene	98-82-8	0-0.05	Not available.
Xylene	1330-20-7	0-0.01	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Caution!
COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.
Keep away from heat, sparks and flame. Keep container closed. Use only with adequate ventilation.

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

Potential acute health effects

- Eyes** : Inflammation of the eye is characterized by redness, watering and itching.
- Skin** : Harmful if absorbed through the skin.
- Inhalation** : Harmful by inhalation.
- Ingestion** : Aspiration hazard if swallowed. Can enter lungs and cause damage.

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 any medical condition.

Over-exposure signs/symptoms : Not available.

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[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** : 210°C (410°F)
- Flash Points** : Closed cup: 40°C (104°F). (Pensky-Martens.)
- Flammable limits** : Greatest known range: Lower: 0.6% Upper: 8% (Naphtha (petroleum), hydrodesulfurized heavy)
- Products of combustion** : Decomposition products may include the following materials: carbon oxides (CO, CO₂).
- Fire hazards in presence of various substances** : Flammable.
- 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.
Combustible 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** : COMBUSTIBLE.
- Special remarks on explosion hazards** : No additional remark.

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** : 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. Do not ingest.
- 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).

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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 :

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.

Product Name	Exposure limits
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Naphtha (petroleum), hydrodesulfurized heavy	Not available.
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isobutyl methacrylate, 2-ethylhexyl acrylate polymer	Not available.
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1,2,4-Trimethylbenzene	Not available.
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Xylene	Not available.
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Naphtha (petroleum) low boiling naphtha unspecified	Not available.
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Mesitylene	Not available.
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cumene	Not available.
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[Consult local authorities for acceptable exposure limits.](#)

Section 9. Physical and chemical properties

Physical State and Appearance : Liquid.

Color : Colorless.

Odor : White Spirit

pH : Not applicable.

Relative density : 0.806 g/cm³

Viscosity : Dynamic: Highest known value: 1.28 cP (Naphtha (petroleum), hydrodesulfurized heavy)

Solubility : Partially soluble in the following materials: diethyl ether.
Insoluble in the following materials: cold water, hot water.

Flash point : Closed cup: 40°C (104°F). (Pensky-Martens.)

Flammability (solid, gas) : Flammable.

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: 0.6% Upper: 8% (Naphtha (petroleum), hydrodesulfurized heavy)

Oxidizing properties : Not applicable.

Physical chemical comments : Soluble in the following materials: OtherSolvents. Soluble

Section 10. Stability and reactivity

Stability and Reactivity : The product is stable.

Conditions of instability : Not available.

Incompatibility with various substances : Not considered to be reactive according to our database.

Hazardous Decomposition Products : Not available.

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Hazardous polymerization : Will not occur.

Section 11. Toxicological information

Naphtha (petroleum), hydrodesulfurized heavy	LD50	>5000 mg/kg	Oral	Rat
Xylene	LD50	>3000 mg/kg	Dermal	Rabbit
	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
Naphta (petroleum) low boiling	LD50	8400 mg/kg	Oral	Rat
naphta unspecified	LD50	>2150 mg/kg	Oral	quail
cumene	LD50	1400 mg/kg	Oral	Rat
	LD50	12750 mg/kg	Oral	Mouse

IDLH :

Chronic effects on humans : May be harmful if swallowed.

Other toxic effects on humans : Extremely hazardous by the following route of exposure: of eye contact (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

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.

Section 12. Ecological information

Naphtha (petroleum), hydrodesulfurized heavy	Trout (LC50)	96 hour(s)	41.4 mg/l
	Shrimp. (IC50)	96 hour(s)	4.3 mg/l
1,2,4-Trimethylbenzene	Pimephales promelas (LC50)	96 hour(s)	7.72 mg/l
isobutyl methacrylate, 2-ethylhexyl acrylate polymer	Not available.	Not available.	Not available.
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
Naphta (petroleum) low boiling naphta unspecified	Not available.	Not available.	Not available.
Mesitylene	Scenedesmus subspicatus (EC50)	48 hour(s)	25 mg/l
	Scenedesmus subspicatus (EC50)	48 hour(s)	53 mg/l
cumene	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

BOD and COD : Not available.

Biodegradable/OECD : Not available.

Mobility : Not determined.

Products of degradation : Decomposition products may include the following materials: carbon oxides (CO, CO₂) and water.

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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 : Not available.



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., (White Spirit, 86%, mixture), Class 3, PG III, (FP 104°F) (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene). Marine pollutant (Naphtha (petroleum), hydrodesulfurized heavy, isobutyl methacrylate, 2-ethylhexyl acrylate polymer)	Combustible liquid.	III		<p>Marine pollutant Marine pollutant (P)</p> <p>Limited quantity Yes.</p> <p>Special provisions Limited Quantity</p> <p>Remarks ORM-D / CONSUMER COMMODITY</p>
TDG Classification	3295	UN 3295, HYDROCARBONS, LIQUID, N.O.S., (White Spirit, 86%, mixture), Class 3, PG III, (FP 104°F) (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene). Marine pollutant (Naphtha (petroleum), hydrodesulfurized heavy, isobutyl methacrylate, 2-ethylhexyl acrylate polymer)	3	III		<p>Marine pollutant Marine pollutant (P)</p> <p>Special provisions ORM-D / CONSUMER COMMODITY</p> <p>Remarks Limited Quantity</p>
ADR/RID Class	3295	UN 3295, "dangerous goods in limited quantities of class 3", III, ADR (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene)	3	III		<p>Hazard identification number 30</p> <p>Reportable quantity 45</p> <p>Remarks Limited quantity for upto 5 litre inner packing Else; UN 3295, HYDROCARBONS,</p>

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						LIQUID N.O.S., (White Spirit, mixture) class 3, III, ADR Keep in frostfree area
IMDG Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene). Marine pollutant (Naphtha (petroleum), hydrodesulfurized heavy, isobutyl methacrylate, 2-ethylhexyl acrylate polymer)	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., (White Spirit, 85%, mixture) class 3, UN 3295, PG III Keep in frostfree area
IATA-DGR Class	3295	"dangerous goods in limited quantities of class 3" UN 3295, PG III (Naphtha (petroleum), hydrodesulfurized heavy, 1,2,4-Trimethylbenzene)	3	III		Remarks Keep in frostfree area

Section 15. Regulatory information

WHMIS (Canada) : Class B-3: Combustible liquid with a flash point between 37.8°C (100°F) and 93.3°C (200°F).

International regulations

EINECS : Not available.

DSCL (EEC) : R10- Flammable.

R65- Harmful: may cause lung damage if swallowed.

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 : Australia: Naphta (petroleum) low boiling naphta unspecified

Australia (NICNAS): Naphta (petroleum) low boiling naphta unspecified; isobutyl methacrylate, 2-ethylhexyl acrylate polymer; aqua; Naphtha (petroleum), hydrodesulfurized heavy

China: Naphta (petroleum) low boiling naphta unspecified; isobutyl methacrylate, 2-ethylhexyl acrylate polymer; aqua; Naphtha (petroleum), hydrodesulfurized heavy

Germany water class: 1,2,4-Trimethylbenzene; propylbenzene; Xylene

Japan (METI): 1,2,4-Trimethylbenzene; Mesitylene; propylbenzene; Xylene; aqua

Korea (TCCL): Naphta (petroleum) low boiling naphta unspecified; isobutyl methacrylate, 2-ethylhexyl acrylate polymer; aqua; Naphtha (petroleum), hydrodesulfurized heavy

Philippines (RA6969): Naphta (petroleum) low boiling naphta unspecified; aqua; Naphtha (petroleum), hydrodesulfurized heavy

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Section 16. Other information

Label Requirements : COMBUSTIBLE LIQUID AND VAPOR.
VAPOR MAY CAUSE FIRE.

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

Health			
Fire hazard			
Reactivity			
Personal protection			

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



References : Not available.

Other special considerations : Not available.

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Notice to reader

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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.