



Material Safety Data Sheet



Silver fast-shine dip

Section 1. Chemical product and company identification

Manufacturer : HG International b.v. **Code** : 492075164
Address : Damsluisweg 70 1332 EJ Almere **MSDS#** : 1.02
Country : Netherlands **Validation date** : 9-5-2011.
Telephone No.: : +31 (0)36 54 94 700 **Print date** : 9-5-2011.
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 : 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
Water	7732-18-5	30 - 100	Not available.
Thiourea	62-56-6	5 - 15	Not available.
alcohols, c12-16, ethoxylated	68551-12-2		Not available.
1-hydroxyethyl-2-heptadecenyl- imidazoline	21652-27-7	0 - 1	Not available.
phosphoric acid	7664-38-2	0 - 1	Not available.
Coloring agent		0 - 1	Not available.

Section 3. Hazards identification

Physical State and Appearance : Liquid.

Emergency overview : Caution
IRRITANT.
May cause eye irritation.
May cause skin irritation.
Do not get in eyes, on skin or on clothing.
If swallowed, seek medical advice immediately and show this container or label.
Keep out of the reach of children.

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

Potential acute health effects

Eyes : May cause eye irritation.
Skin : May cause skin irritation.
Inhalation : Can cause irritation.
Ingestion : Harmful if swallowed.

Potential chronic health effects : **CARCINOGENIC EFFECTS:** Classified 3 (Possible for human.) by European Union [Thiourea]. Classified 2 (Reasonably Anticipated To Be Human Carcinogens.) by NTP [Thiourea]. Classified 3 (Not classifiable for human.) by IARC [Thiourea].
MUTAGENIC EFFECTS: Not available.
TERATOGENIC EFFECTS: Not available.

Medical conditions aggravated by overexposure: : Repeated or prolonged contact with spray mist may produce chronic eye irritation and severe skin irritation. Repeated or prolonged exposure to spray mist may produce respiratory tract irritation leading to frequent attacks of bronchial infection. Repeated exposure to a highly toxic material may produce general deterioration of health by an accumulation in one or many human organs.

Continued on next page

Over-exposure signs/symptoms : Possible risk of harm to the unborn child.

[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. Thoroughly clean shoes 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. Get medical attention.
- Notes to Physician** : Not available.

Section 5. Fire fighting measures

- Flammability of the product** : May be combustible at high temperature.
- Auto-ignition Temperature** : Not available.
- Flash Points** : Closed cup: Higher than 93.3°C (200°F).
- Flammable limits** : Not applicable.
- Products of combustion** : Decomposition products may include the following materials: 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 applicable.
- Fire fighting media and instructions** : Use an extinguishing agent suitable for surrounding fires.
No specific hazard.
- Special protective equipment for fire-fighters** : Fire fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full facepiece operated in positive pressure mode.
- Special remarks on fire hazards** : No additional remark.
- Special remarks on explosion hazards** : No additional remark.

Section 6. Accidental release measures

- Personal precautions** : Immediately contact emergency personnel. Keep unnecessary personnel away. Use suitable protective equipment (Section 8).
- 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) scoop up material and place in a sealed, liquid-proof container for disposal. For large spills dike spilled material or otherwise contain material 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. Wash thoroughly after handling. Avoid contact with eyes. Keep out of the reach of children.
- Storage** : Keep container tightly closed. Keep container in a cool, well-ventilated area.

Continued on next page

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 proximal to the work-station location.

Personal protection

Eyes : safety glasses with side shields

Skin : Work uniform or laboratory coat.

Respiratory : A respirator is not needed under normal and intended conditions of product use.

Hands : Chemical-resistant, impervious gloves or gauntlets complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.
>8 hour(s) (breakthrough time): Butyl rubber gloves.

Other protection : Not available.

Personal protective equipment (Pictograms) :



Personal protection in case of a large spill : Splash goggles. Full suit. Boots. Gloves.

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

Section 9. Physical and chemical properties

Physical State and Appearance : Liquid.

Color : Clear Blue.

Odor : Characteristic.

pH : 2 [Conc. (% w/w): 100%]

Relative density : 1.03 g/cm³ (20°C / 68°F)

Viscosity : Not available.

Solubility : Easily soluble in the following materials: hot water.
Soluble in the following materials: cold water, methanol.

Flash point : Closed cup: Higher than 93.3°C (200°F).

Explosive properties : Not applicable.

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 : Reactive with alkalis.

Hazardous Decomposition Products : Not available.

Hazardous polymerization : Will not occur.

Section 11. Toxicological information

Thiourea	LD50	1750 mg/kg	Oral	Rat
	LD50	>2800 mg/kg	Dermal	Rabbit
	LDLo	6985 mg/kg	Oral	Rabbit
alcohols, c12-16, ethoxylated 1-hydroxyethyl-2-heptadecenyl- imidazoline	Not available.	Not available.	Not available.	Not available.
	LD50	>2000 mg/kg	Oral	Rat
phosphoric acid	LD50	1530 mg/kg	Oral	Rat
	LD50	2740 mg/kg	Dermal	Rabbit

Continued on next page

IMDG Class	Not regulated.	-	-	-	-
IATA-DGR Class	Not regulated.	-	-	-	-

Section 15. Regulatory information

WHMIS (Canada) : Not controlled under WHMIS (Canada).
No products were found.

International regulations

EINECS : Not available.
DSCL (EEC) : R40- Limited evidence of a carcinogenic effect.
R63- Possible risk of harm to the unborn child.
R36- Irritating to eyes.
R52/53- Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

International lists : Not available.

Section 16. Other information

Label Requirements : IRRITANT.
May cause eye irritation.
May cause skin irritation.

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

Health	*	2
Fire hazard		0
Reactivity		0
Personal protection		C

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



References : Not available.

Other special considerations : Not available.

Date of printing : 9-5-2011.

Date of issue : 9-5-2011.

Date of previous issue : No previous validation.

Version : 1.02

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.