Silver Goop

Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Revision date: 01/03/2016 Date of issue: 01/02/2016 Version: 1.0

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

1.1. Product identifier

Product Form : Mixture

Product Name : Silver Goop

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 : Oil-based thread lubricant. For professional use only.

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Company

Swagelok Manufacturing Company, LLC
29495 F.A. Lennon Drive
Solon, Ohio 44139
440-519-4000
www.swagelok.com

Manufacturer

Swagelok Manufacturing Company, LLC
29495 F.A. Lennon Drive
Solon, Ohio 44139
440-519-4000

1.4. Emergency telephone number

Emergency number : CHEMTREC: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Aquatic Acute 1	H400
Aquatic Chronic 1	H410

Full text of hazard classes and H-statements: see section 16

Adverse physicochemical, human health and environmental effects

Very toxic to aquatic life. Very toxic to aquatic life with long lasting effects. Repeated exposure may cause skin dryness or cracking.

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS09

Signal word (CLP) : Warning

Hazard statements (CLP) : H400 - Very toxic to aquatic life.
H410 - Very toxic to aquatic life with long lasting effects.

Precautionary statements (CLP) : P273 - Avoid release to the environment.
P391 - Collect spillage.
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

EUH-statements : EUH066 - Repeated exposure may cause skin dryness or cracking

2.3. Other hazards

Other hazards not contributing to the classification : Exposure may aggravate pre-existing eye, skin, or respiratory conditions.

SECTION 3: Composition/information on ingredients

3.2. Mixture

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Silver	(CAS No) 7440-22-4 (EC no) 231-131-3	25 - 30	Aquatic Acute 1, H400 (M=1000) Aquatic Chronic 1, H410
Talc	(CAS No) 14807-96-6 (EC no) 238-877-9	2,5 - 7	Not classified

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Magnesium oxide (MgO)	(CAS No) 1309-48-4 (EC no) 215-171-9	1 - 5	Not classified
Carbonic acid, magnesium salt (1:1)	(CAS No) 546-93-0 (EC no) 208-915-9	1,5 - 4,5	Not classified
Acetone	(CAS No) 67-64-1 (EC no) 200-662-2 (EC index no) 606-001-00-8	< 0,1	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336

Full text of H-statements: 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 where possible).

First-aid measures after inhalation : When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid measures after skin contact : Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid measures after eye contact : Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid measures after ingestion : Rinse mouth. Do NOT induce vomiting. Obtain medical attention.

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

Symptoms/injuries : Causes eye irritation.

Symptoms/injuries after inhalation : Prolonged exposure may cause irritation.

Symptoms/injuries after skin contact : Prolonged exposure may cause skin irritation.

Symptoms/injuries after eye contact : May cause moderate irritation, including burning sensation, tearing, redness or swelling.

Symptoms/injuries after ingestion : Ingestion may cause adverse effects.

Chronic symptoms : None expected under normal conditions of use.

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 : Water spray, dry chemical, foam, carbon dioxide.

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 : Product is not explosive.

Reactivity : Hazardous reactions will not occur under normal conditions.

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.

Other information : Do not allow run-off from fire fighting to enter drains or water courses.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures : 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 : Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Avoid release to the environment. Collect spillage.

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 : Clean up spills immediately and dispose of waste safely. 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. See Section 13, Disposal Considerations.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed : Handle in accordance with standard industrial practices, and ensure appropriate ventilation. Avoid all contact with skin, eyes, clothing. Do not release into the environment.

Precautions for safe handling : Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid breathing vapours, mist, spray. Avoid contact with skin, eyes and clothing.

Hygiene measures : Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures : Comply with applicable regulations.

Storage conditions : Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible products : Strong acids, strong bases, strong oxidisers.

Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

Oil-based thread lubricant. For professional use only.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Silver (7440-22-4)		
EU	IOELV TWA (mg/m³)	0,1 mg/m³
Austria	MAK (mg/m³)	0,1 mg/m³ (inhalable fraction)
Austria	MAK Short time value (mg/m³)	0,1 mg/m³ (inhalable fraction)
Austria	OEL - Ceilings (mg/m³)	0,1 mg/m³ (inhalable fraction)
Belgium	Limit value (mg/m³)	0,1 mg/m³
Bulgaria	OEL TWA (mg/m³)	0,1 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	0,1 mg/m³
Cyprus	OEL TWA (mg/m³)	0,1 mg/m³
France	VME (mg/m³)	0,1 mg/m³ (indicative limit)
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	0,1 mg/m³ (inhalable fraction)
Greece	OEL TWA (mg/m³)	0,1 mg/m³
USA ACGIH	ACGIH TWA (mg/m³)	0,1 mg/m³ (dust and fume)
Italy	OEL TWA (mg/m³)	0,1 mg/m³
Latvia	OEL TWA (mg/m³)	0,1 mg/m³
Spain	VLA-ED (mg/m³)	0,1 mg/m³ (indicative limit value)
Switzerland	VLE (mg/m³)	0,8 mg/m³ (inhalable dust)
Switzerland	VME (mg/m³)	0,1 mg/m³ (inhalable dust)

Silver (7440-22-4)		
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,1 mg/m³
United Kingdom	WEL TWA (mg/m³)	0,1 mg/m³
United Kingdom	WEL STEL (mg/m³)	0,3 mg/m³ (calculated)
Czech Republic	Expoziční limity (PEL) (mg/m³)	0,1 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	0,01 mg/m³ (dust and powder)
Estonia	OEL TWA (mg/m³)	0,1 mg/m³
Finland	HTP-arvo (8h) (mg/m³)	0,1 mg/m³
Hungary	AK-érték	0,1 mg/m³
Hungary	CK-érték	0,4 mg/m³ (Substances with European indicative limits (96/94/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU), which currently has no peak limit concentration. In these cases, Annex 3.1. should be used exercised)
Ireland	OEL (8 hours ref) (mg/m³)	0,1 mg/m³ (metallic)
Ireland	OEL (15 min ref) (mg/m3)	0,3 mg/m³ (calculated-metallic)
Lithuania	IPRV (mg/m³)	0,1 mg/m³
Malta	OEL TWA (mg/m³)	0,1 mg/m³ (metallic)
Norway	Grenseverdier (AN) (mg/m³)	0,1 mg/m³ (metal dust and fume)
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	0,3 mg/m³ (metal dust and fume)
Poland	NDS (mg/m³)	0,05 mg/m³ (inhalable fraction)
Romania	OEL TWA (mg/m³)	0,1 mg/m³
Slovakia	NPHV (priemerná) (mg/m³)	0,1 mg/m³
Slovenia	OEL TWA (mg/m³)	0,01 mg/m³
Sweden	nivågränsvärde (NVG) (mg/m³)	0,1 mg/m³ (total dust)
Portugal	OEL TWA (mg/m³)	0,01 mg/m³ (indicative limit value)

Talc (14807-96-6)		
Austria	MAK (mg/m³)	2 mg/m³ (Asbestos-free fibers-respirable fraction)
Belgium	Limit value (mg/m³)	2 mg/m³
Bulgaria	OEL TWA (mg/m³)	1,0 fibers/cm³ (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction, fibers) 6,0 mg/m³ (containing <2% free Crystalline silicon dioxide in respirable fraction-inhalable fraction) 3,0 mg/m³ (containing <2% free Crystalline silicon dioxide in respirable fraction-respirable fraction)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1 mg/m³ (Mg3H2(SiO3)4-respirable dust)
Greece	OEL TWA (mg/m³)	10 mg/m³ (inhalable fraction) 2 mg/m³ (respirable fraction)
USA ACGIH	ACGIH TWA (mg/m³)	2 mg/m³ (particulate matter containing no asbestos and <1% crystalline silica, respirable fraction)
Spain	VLA-ED (mg/m³)	2 mg/m³ (containing no Asbestos fibers-respirable fraction)
Switzerland	VME (mg/m³)	2 mg/m³ (respirable dust)
Netherlands	Grenswaarde TGG 8H (mg/m³)	0,25 mg/m³
United Kingdom	WEL TWA (mg/m³)	1 mg/m³ (respirable dust)

Talc (14807-96-6)		
United Kingdom	WEL STEL (mg/m³)	3 mg/m³ (calculated-respirable dust)
Czech Republic	Expoziční limity (PEL) (mg/m³)	2,0 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	0,3 fibers/cm³ (containing fibers)
Finland	HTP-arvo (8h) (mg/m³)	0,5 fibers/cm³ (fiber)
Finland	HTP-arvo (15 min) (ppm)	2 ppm (granular form, inhalable dust) 1 ppm (granular form, respirable)
Hungary	AK-érték	2 mg/m³ (respirable)
Ireland	OEL (8 hours ref) (mg/m³)	10 mg/m³ (total inhalable dust) 0,8 mg/m³ (respirable dust)
Ireland	OEL (15 min ref) (mg/m3)	30 mg/m³ (calculated-total inhalable dust) 2,4 mg/m³ (calculated-respirable dust)
Lithuania	IPRV (mg/m³)	2 mg/m³ (inhalable fraction) 1 mg/m³ (respirable fraction)
Norway	Grenseverdier (AN) (mg/m³)	6 mg/m³ (total dust) 2 mg/m³ (respirable dust)
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	6 mg/m³ (total dust) 2 mg/m³ (respirable dust)
Poland	NDS (mg/m³)	4,0 mg/m³ (inhalable fraction) 1,0 mg/m³ (respirable fraction)
Romania	OEL TWA (mg/m³)	2 mg/m³ (inhalable fraction, dust)
Slovakia	NPHV (priemerná) (mg/m³)	2 mg/m³ (respirable fraction, 5% or less fibrogenic component) 10 mg/m³ (respirable fraction, greater than 5% fibrogenic component) 10 mg/m³ (total aerosol)
Slovenia	OEL TWA (mg/m³)	2 mg/m³ (respirable fraction)
Sweden	nivågränsvärde (NVG) (mg/m³)	2 mg/m³ (total dust) 1 mg/m³ (respirable dust)
Portugal	OEL TWA (mg/m³)	2 mg/m³ (respirable fraction, particulate matter containing no Asbestos and <1% Crystalline silica)
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen

Carbonic acid, magnesium salt (1:1) (546-93-0)		
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	4 mg/m³ (respirable dust) 10 mg/m³ (total dust)
France	VME (mg/m³)	10 mg/m³
Switzerland	VME (mg/m³)	3 mg/m³ (respirable dust)
Lithuania	IPRV (mg/m³)	10 mg/m³

Magnesium oxide (MgO) (1309-48-4)		
Austria	MAK (mg/m³)	5 mg/m³ (respirable fraction, smoke) 10 mg/m³ (inhalable fraction)
Austria	MAK Short time value (mg/m³)	20 mg/m³ (respirable fraction, smoke) 20 mg/m³ (inhalable fraction) 10 mg/m³ (respirable fraction)
Belgium	Limit value (mg/m³)	10 mg/m³ (fume)
Bulgaria	OEL TWA (mg/m³)	10,0 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	4 mg/m³ (fume, respirable dust) 10 mg/m³ (fume, total dust)
France	VME (mg/m³)	10 mg/m³ (fume)
Greece	OEL TWA (mg/m³)	10 mg/m³ (inhalable fraction) 5 mg/m³ (respirable fraction)

Magnesium oxide (MgO) (1309-48-4)		
USA ACGIH	ACGIH TWA (mg/m³)	10 mg/m³ (inhalable fraction)
Spain	VLA-ED (mg/m³)	10 mg/m³ (dust and fume)
Switzerland	VME (mg/m³)	3 mg/m³ (fume, respirable dust)
United Kingdom	WEL TWA (mg/m³)	10 mg/m³ (inhalable dust) 4 mg/m³ (fume and respirable dust)
United Kingdom	WEL STEL (mg/m³)	30 mg/m³ (calculated-inhalable dust) 12 mg/m³ (calculated-fume and respirable dust)
Czech Republic	Expoziční limity (PEL) (mg/m³)	5 mg/m³ (fume)
Denmark	Grænseværdie (langvarig) (mg/m³)	6 mg/m³
Hungary	AK-érték	6 mg/m³ (respirable dust, fume)
Hungary	CK-érték	24 mg/m³ (respirable dust)
Ireland	OEL (8 hours ref) (mg/m³)	4 mg/m³ (respirable dust) 5 mg/m³ (fume) 10 mg/m³ (total inhalable dust)
Ireland	OEL (15 min ref) (mg/m3)	10 mg/m³ (fume) 12 mg/m³ (calculated-respirable dust) 30 mg/m³ (calculated-total inhalable dust)
Lithuania	IPRV (mg/m³)	4 mg/m³
Norway	Grenseverdier (AN) (mg/m³)	10 mg/m³ (equal to the standard for nuisance dust)
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	20 mg/m³ (equal to the standard for nuisance dust)
Poland	NDS (mg/m³)	10 mg/m³ (inhalable fraction)
Romania	OEL TWA (mg/m³)	5 mg/m³ (fume)
Romania	OEL STEL (mg/m³)	15 mg/m³ (fume)
Slovakia	NPHV (priemerná) (mg/m³)	1,5 mg/m³ (respirable fraction, fume) 4 mg/m³ (inhalable fraction, fume)
Portugal	OEL TWA (mg/m³)	10 mg/m³ (inhalable fraction)
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen

Acetone (67-64-1)		
EU	IOELV TWA (mg/m³)	1210 mg/m³
EU	IOELV TWA (ppm)	500 ppm
Austria	MAK (mg/m³)	1200 mg/m³
Austria	MAK (ppm)	500 ppm
Austria	MAK Short time value (mg/m³)	4800 mg/m³
Austria	MAK Short time value (ppm)	2000 ppm
Belgium	Limit value (mg/m³)	1210 mg/m³
Belgium	Limit value (ppm)	500 ppm
Belgium	Short time value (mg/m³)	2420 mg/m³
Belgium	Short time value (ppm)	1000 ppm
Bulgaria	OEL TWA (mg/m³)	600 mg/m³
Bulgaria	OEL STEL (mg/m³)	1400 mg/m³
Bulgaria	Bulgaria - BEI	80 mg/l (Medium: urine - Time: at the end of exposure or end of shift - Parameter: Acetone)
Croatia	GVI (granična vrijednost izloženosti) (mg/m³)	1210 mg/m³
Croatia	GVI (granična vrijednost izloženosti) (ppm)	500 ppm

Acetone (67-64-1)		
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (mg/m³)	3620 mg/m³
Croatia	KGVI (kratkotrajna granična vrijednost izloženosti) (ppm)	1500 ppm
Croatia	Croatia - BEI	20,0 mg/l (Medium: blood - Time: at the end of the shift - Parameter: Acetone (Interference of endogenous Acetone (<1.3 mg/L)) 20,0 mg/g Kreatinin (Medium: urine - Time: at the end of the shift - Parameter: Acetone (For all results that are expressed as Creatinine, Creatinine concentration <0.5 g/L and >3.0 g/L should not be considered)
Cyprus	OEL TWA (mg/m³)	1210 mg/m³
Cyprus	OEL TWA (ppm)	500 ppm
Cyprus	OEL chemical category (CY)	Skin-potential for cutaneous absorption
France	VLE (mg/m³)	2420 mg/m³ (restrictive limit)
France	VLE (ppm)	1000 ppm (restrictive limit)
France	VME (mg/m³)	1210 mg/m³ (restrictive limit)
France	VME (ppm)	500 ppm (restrictive limit)
France	France - BEI	100 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone (Background noise on non-exposed subjects, Non-specific (observed after the exposure to other substances))
Germany	TRGS 900 Occupational exposure limit value (mg/m³)	1200 mg/m³ (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 900 Occupational exposure limit value (ppm)	500 ppm (The risk of damage to the embryo or fetus can be excluded when AGW and BGW values are observed)
Germany	TRGS 903 (BGW)	80 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Gibraltar	OEL TWA (mg/m³)	1210 mg/m³
Gibraltar	OEL TWA (ppm)	500 ppm
Greece	OEL TWA (mg/m³)	1780 mg/m³
Greece	OEL STEL (mg/m³)	3560 mg/m³
USA ACGIH	ACGIH TWA (ppm)	250 ppm
USA ACGIH	ACGIH STEL (ppm)	500 ppm
Italy	OEL TWA (mg/m³)	1210 mg/m³
Italy	OEL TWA (ppm)	500 ppm
Latvia	OEL TWA (mg/m³)	1210 mg/m³
Latvia	OEL TWA (ppm)	500 ppm
Spain	VLA-ED (mg/m³)	1210 mg/m³ (indicative limit value)
Spain	VLA-ED (ppm)	500 ppm (indicative limit value)
Spain	Spain - BEI	50 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Switzerland	VLE (mg/m³)	2400 mg/m³
Switzerland	VLE (ppm)	1000 ppm
Switzerland	VME (mg/m³)	1200 mg/m³
Switzerland	VME (ppm)	500 ppm

Acetone (67-64-1)		
Switzerland	Switzerland - BEI	80 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone (N)
Netherlands	Grenswaarde TGG 8H (mg/m³)	1210 mg/m³
Netherlands	Grenswaarde TGG 15MIN (mg/m³)	2420 mg/m³
United Kingdom	WEL TWA (mg/m³)	1210 mg/m³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m³)	3620 mg/m³
United Kingdom	WEL STEL (ppm)	1500 ppm
Czech Republic	Expoziční limity (PEL) (mg/m³)	800 mg/m³
Denmark	Grænseværdie (langvarig) (mg/m³)	600 mg/m³
Denmark	Grænseværdie (langvarig) (ppm)	250 ppm
Estonia	OEL TWA (mg/m³)	1210 mg/m³
Estonia	OEL TWA (ppm)	500 ppm
Finland	HTP-arvo (8h) (mg/m³)	1200 mg/m³
Finland	HTP-arvo (8h) (ppm)	500 ppm
Finland	HTP-arvo (15 min)	1500 mg/m³
Finland	HTP-arvo (15 min) (ppm)	630 ppm
Hungary	AK-érték	1210 mg/m³
Hungary	CK-érték	2420 mg/m³ (Substances with European indicative limits (96/94/EC, 2000/39/EC, 2006/15/EC, 2009/161/EU), which currently has no peak limit concentration. In these cases, Annex 3.1. should be used exercised)
Ireland	OEL (8 hours ref) (mg/m³)	1210 mg/m³
Ireland	OEL (8 hours ref) (ppm)	500 ppm
Lithuania	IPRV (mg/m³)	1210 mg/m³
Lithuania	IPRV (ppm)	500 ppm
Lithuania	TPRV (mg/m³)	2420 mg/m³
Lithuania	TPRV (ppm)	1000 ppm
Luxembourg	OEL TWA (mg/m³)	1210 mg/m³
Luxembourg	OEL TWA (ppm)	500 ppm
Malta	OEL TWA (mg/m³)	1210 mg/m³
Malta	OEL TWA (ppm)	500 ppm
Norway	Grenseverdier (AN) (mg/m³)	295 mg/m³
Norway	Grenseverdier (AN) (ppm)	125 ppm
Norway	Grenseverdier (Korttidsverdi) (mg/m3)	295 mg/m³
Norway	Grenseverdier (Korttidsverdi) (ppm)	125 ppm
Poland	NDS (mg/m³)	600 mg/m³
Poland	NDSCh (mg/m³)	1800 mg/m³
Romania	OEL TWA (mg/m³)	1210 mg/m³
Romania	OEL TWA (ppm)	500 ppm
Romania	Romania - BEI	50 mg/l (Medium: urine - Time: end of shift - Parameter: Acetone)
Slovakia	NPHV (priemerná) (mg/m³)	1210 mg/m³
Slovakia	NPHV (priemerná) (ppm)	500 ppm
Slovakia	NPHV (Hraničná) (mg/m³)	2420 mg/m³
Slovakia	Slovakia - BEI	80 mg/l (Medium: urine - Time: end of exposure or work shift - Parameter: Acetone)

Acetone (67-64-1)		
Slovenia	OEL TWA (mg/m³)	1210 mg/m³
Slovenia	OEL TWA (ppm)	500 ppm
Sweden	nivågränsvärde (NVG) (mg/m³)	600 mg/m³
Sweden	nivågränsvärde (NVG) (ppm)	250 ppm
Sweden	kortidsvärde (KTV) (mg/m³)	1200 mg/m³
Sweden	kortidsvärde (KTV) (ppm)	500 ppm
Portugal	OEL TWA (mg/m³)	1210 mg/m³ (indicative limit value)
Portugal	OEL TWA (ppm)	500 ppm (indicative limit value)
Portugal	OEL STEL (ppm)	750 ppm
Portugal	OEL chemical category (PT)	A4 - Not Classifiable as a Human Carcinogen

8.2. Exposure controls

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

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

Materials for protective clothing : Chemically resistant materials and fabrics.

Hand protection : Wear protective gloves.

Eye protection : Chemical safety goggles.

Skin and body protection : Wear suitable protective clothing.

Respiratory protection : If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other information : When using, do not eat, drink or smoke.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid

Colour : Silver

Odour : Neutral

Odour threshold : No data available

pH : 6,0 - 7,54

Evapouration rate : No data available

Melting point : No data available

Freezing point : No data available

Boiling point : No data available

Flash point : > 545 °F Closed Cup Method (>285 °C)

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

Solubility : Insoluble

Relative Density : 2.1 (RD 1.2 g/mL)

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 : < 1 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Hazardous reactions will not 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 will not occur.

10.4. Conditions to avoid

Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible materials

Strong acids, strong bases, strong oxidisers.

10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon and nitrogen oxides.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Silver (7440-22-4)	
LD50 oral rat	> 2000 mg/kg

Carbonic acid, magnesium salt (1:1) (546-93-0)	
LD50 oral rat	> 2000 mg/kg

Acetone (67-64-1)	
LD50 oral rat	5800 mg/kg
LD50 dermal rabbit	15688 mg/kg
LC50 inhalation rat (mg/l)	44 g/m³
LC50 inhalation rat (Vapours - mg/l/4h)	75,8 mg/l/4h

Skin corrosion/irritation : Not classified
pH: 6,0 - 7,54

Serious eye damage/irritation : Not classified
pH: 6,0- 7,54

Respiratory or skin sensitisation : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Talc (14807-96-6)	
IARC group	3
National Toxicology Program (NTP) Status	Evidence of Carcinogenicity, Twelfth Report - Items under consideration.

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 : Prolonged exposure may cause irritation.

Symptoms/Injuries After Skin Contact : Prolonged exposure may cause skin irritation.

Symptoms/Injuries After Eye Contact : May cause moderate irritation, including burning sensation, tearing, redness or swelling.

Symptoms/Injuries After Ingestion : Ingestion may cause adverse effects.

Chronic Symptoms : None expected under normal conditions of use.

Potential adverse human health effects and symptoms : Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general : Very toxic to aquatic life with long lasting effects. Very toxic to aquatic life.

Silver (7440-22-4)	
LC50 fish 1	0,00155 (0,00155 - 0,00293) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 1	0,00024 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	0,0062 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss [flow-through])

Talc (14807-96-6)	
LC50 fish 1	> 100 g/l (Exposure time: 96 h - Species: Brachydanio rerio [semi-static])

Acetone (67-64-1)	
LC50 fish 1	4144,846 mg/l (Exposure time: 96 h - Species: Oncorhynchus mykiss)
EC50 Daphnia 1	1679,66 mg/l (Exposure time: 48 h - Species: Daphnia magna [Static])
LC50 fish 2	6210 (6210 - 8120) mg/l (Exposure time: 96 h - Species: Pimephales promelas [static])
EC50 Daphnia 2	12600 (12600 - 12700) mg/l (Exposure time: 48 h - Species: Daphnia magna)

12.2. Persistence and degradability

Silver Goop	
Persistence and degradability	May cause long-term adverse effects in the environment.

Acetone (67-64-1)	
Persistence and degradability	Readily biodegradable in water.

12.3. Bioaccumulative potential

Silver Goop	
Bioaccumulative potential	Not established.

Talc (14807-96-6)	
BCF fish 1	(no known bioaccumulation)

Acetone (67-64-1)	
BCF fish 1	0,69
Log Pow	-0,24
Log Kow	-0,24

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

Acetone (67-64-1)
This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII
This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

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 dispose of waste into sewer. 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, provincial, territorial and international regulations.

Additional information : Container may remain hazardous when empty. Continue to observe all precautions.

Ecology - waste materials : Avoid release to the environment. This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
3082	3082	3082	3082	3082

ADR	IMDG	IATA	ADN	RID
14.2. UN proper shipping name				
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (SILVER)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (SILVER)	Environmentally hazardous substance, liquid, n.o.s., (SILVER)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (SILVER)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (SILVER)
14.3. Transport hazard class(es)				
9	9	9	9	9
				
14.4. Packing group				
III	III	III	III	III
14.5. Environmental hazards				
Dangerous for the environment : Yes	Dangerous for the environment : Yes Marine pollutant : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes	Dangerous for the environment : Yes

14.6. Special precautions for user

No additional information available

14.7. Transport in bulk according to Annex II of MARPOL 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	Acetone
3.a. 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 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	Acetone
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	Acetone
3.c. 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 class 4.1	Silver Goop
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.	Acetone

Contains no substance on the REACH candidate list. Contains no REACH Annex XIV substances.

Silver (7440-22-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Talc (14807-96-6)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Carbonic acid, magnesium salt (1:1) (546-93-0)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Magnesium oxide (MgO) (1309-48-4)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

Acetone (67-64-1)
Listed on the EEC inventory EINECS (European Inventory of Existing Commercial Chemical Substances)

VOC content : < 1 %

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

Indication of changes:

Section	Section Header	Change	Date Changed

Revision date : 01/03/2016

Data sources : According to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830

Full text of H- and EUH-statements:

Aquatic Acute 1	Hazardous to the aquatic environment — Acute Hazard, Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment — Chronic Hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
H225	Highly flammable liquid and vapour
H319	Causes serious eye irritation
H336	May cause drowsiness or dizziness
H400	Very toxic to aquatic life
H410	Very toxic to aquatic life with long lasting effects
EUH066	Repeated exposure may cause skin dryness or cracking

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.