

# UVEX Fog Eliminator™

## SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

#### Product identifier

GHS Product Identifier	Not applicable.
Chemical Name	Not applicable.
Trade name	UVEX Fog Eliminator™
CAS No.	Mixture

#### Relevant identified uses of the substance or mixture and uses advised against

Identified use(s)	Articles releasing polishes and cleaners:
Uses advised against	None.

#### Product Distributor

Company Identification	Honeywell Safety Products
Telephone	+1 (800) 682-0839 (8:00 AM – 5:00 PM)
Fax	+1 (401) 757-2912

#### Details of the supplier of the safety data sheet

Company Identification	Nanofilm Ltd 10111 Sweet Valley Dr. Valley View, OH 44125
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Telephone	+1 (800) 883-6266
Fax	+1 (216) 447-1137
E-Mail (competent person)	<a href="mailto:info@nanofilmtechnology.com">info@nanofilmtechnology.com</a>

#### Emergency telephone number

Emergency Phone No.	CHEMTREC 24 hr. (800) 424-9300 or +1 (703) 527-3887 (Collect call accepted)
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### SECTION 2: HAZARDS IDENTIFICATION

#### Classification of the substance or mixture

Substances in articles / OSHA HCS (29 CFR 1910.1200)	Causes serious eye irritation.
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#### Label elements

Hazard Symbol



**Warning**

Hazard statement(s)	Causes serious eye irritation.
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Precautionary statement(s)	Wash hands thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
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#### Other hazards

None known

#### Additional Information

None known

# UVEX Fog Eliminator™

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### Substances in articles:

Hazardous ingredient(s)	%W/W	CAS No.	Hazard statement(s)
Propylene glycol butyl ether	1 - 9	5131-66-8	Causes serious eye irritation. Causes skin irritation.
2-(2-butoxyethoxy) ethanol	1 - 10	112-34-5	Causes serious eye irritation.
Poly(oxy-1,2-ethanediyl), $\alpha$ -(tridecafluorooctyl)- $\omega$ -hydroxy	1 - 10	52550-44-4	Causes serious eye irritation. Harmful if swallowed. Harmful to aquatic life with long lasting effects.
Potassium Hydroxide	0 - 0.5	1310-58-3	Harmful if swallowed. May be corrosive to metals. Causes severe skin burns and eye damage.

Other Substances in the product which may present a health or environmental hazard, or which have been assigned occupational exposure limits, are detailed below.

None

### 3.3 Additional Information - None

## SECTION 4: FIRST AID MEASURES



### Description of first aid measures

Inhalation	Not normally required.
Skin Contact	Not normally required. If symptoms occur obtain medical attention.
Eye Contact	If substance has got into the eyes, immediately wash out with plenty of water for at least 15 minutes. If symptoms occur obtain medical attention.
Ingestion	Do not induce vomiting. If symptoms occur obtain medical attention.

**Most important symptoms and effects, both acute and delayed** May cause eye irritation.

**Indication of the immediate medical attention and special treatment needed** None

## SECTION 5: FIRE-FIGHTING MEASURES

### Extinguishing media

Suitable Extinguishing Media	Extinguish with waterspray, foam or dry chemical.
Unsuitable Extinguishing Media	None anticipated.

**Special hazards arising from the substance or mixture** None anticipated.

**Advice for fire-fighters** As appropriate for surrounding fire.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**Personal precautions, protective equipment and emergency procedures** Avoid contact with eyes.

**Environmental precautions** None known

**Methods and material for containment and cleaning up** Transfer to a container for disposal or recovery.

**Reference to other sections** None

**Additional Information** None

# UVEX Fog Eliminator™

## SECTION 7: HANDLING AND STORAGE




<b>Precautions for safe handling</b>	Avoid contact with eyes.
<b>Conditions for safe storage, including any incompatibilities</b>	
Storage Temperature	Store at room temperature.
Incompatible materials	Strong oxidising agents.
<b>Specific end use(s)</b>	Articles releasing polishes and cleaners:

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### Occupational Exposure Limits

SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)		STEL (ppm)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
Potassium Hydroxide	1310-58-3	----	----	----	2 mg/m3*	*Ceiling Limit Value

- LTEL: Long Term Exposure Limit; - STEL: Short Term Exposure Limit

<b>Recommended monitoring method</b>	NIOSH 7401
<b>Exposure controls</b>	
<b>Appropriate engineering controls</b>	Not normally required.
<b>Personal protection equipment</b>	
Eye/face protection 	Not required under normal consumer use Industrial use: Goggles
Skin protection (Hand protection/ Other) 	Not required under normal consumer use Industrial use: Gloves
Respiratory protection 	Not required under normal consumer use Industrial use: In case of inadequate ventilation wear respiratory protection.
Thermal hazards	Not normally required.
<b>Environmental Exposure Controls</b>	None assigned.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties / Substances in articles

Appearance	Cloth
Colour	White
Odour	Not available
Odour Threshold (ppm)	Not available
pH (Value)	6.9
Melting Point (°C) / Freezing Point (°C)	Not applicable
Boiling point/boiling range (°C):	Not applicable
Flash Point (°C)	> 200° F Pensky-Martens [Closed cup]
Evaporation rate	Not available
Flammability (solid, gas)	Not expected
Explosive limit ranges	Not applicable
Vapour Pressure (Pascal)	Not available

# UVEX Fog Eliminator™

Vapour Density (Air=1)	Not available
Density (g/ml)	1.05
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Temperature (°C)	Not available
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt) @ 40°C	< 10
Explosive properties	Not explosive.
Oxidising properties	Not oxidising.

**Other information** Not available

## SECTION 10: STABILITY AND REACTIVITY

<b>Reactivity</b>	Stable under normal conditions.
<b>Chemical stability</b>	Stable.
<b>Possibility of hazardous reactions</b>	None anticipated.
<b>Conditions to avoid</b>	None known
<b>Incompatible materials</b>	Oxidizers
<b>Hazardous Decomposition Product(s)</b>	None known

## SECTION 11: TOXICOLOGICAL INFORMATION

**Exposure routes:** Inhalation, Skin Contact, Eye Contact

**Information on toxicological effects**

**Substances in preparations / mixtures/Substances in articles:**

Propylene glycol butyl ether (CAS No. 5131-66-8)

<b>Acute toxicity</b>	Oral LD50 = 3,300 mg/kg (rat) Inhalation LC50 > 651 ppm (4 hour(s)) (rat) Dermal LD50 > 2,000 mg/kg (rat)
<b>Irritation</b>	Causes skin irritation. Non-irritant to rabbit eyes.
<b>Corrosivity</b>	Not expected to occur.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	Oral NOAEL = 350 mg/kg/day (rat) Inhalation NOAEL = 600 ppm (rat) Dermal NOAEL = 880 mg/kg/day (rat)
<b>Carcinogenicity</b>	Negative
<b>Mutagenicity</b>	Negative
<b>Toxicity for reproduction</b>	NOAEL = 300 ppm (Paternal) NOAEL = 1,000 ppm (Offspring)

2-(2-butoxyethoxy)ethanol (CAS No.112-34-5)

<b>Acute toxicity</b>	Oral LD50 = 2,410 mg/kg (Fasted animals) (Mouse) Oral LD50 = 5,530 mg/kg (Fed animals) (Mouse) Inhalation Risk Test > 29 ppm (2 hour(s)) (rat) Dermal LD50 = 2,764 mg/kg (rabbit)
<b>Irritation</b>	Causes skin irritation. Non-irritant to rabbit eyes.
<b>Corrosivity</b>	Not expected to occur.
<b>Sensitisation</b>	It is not a skin sensitiser.
<b>Repeated dose toxicity</b>	Oral NOAEL = 250 mg/kg/day (rat) Inhalation NOAEL = 14 ppm (rat) Dermal NOAEL < 200 mg/kg/day (rat) (Skin Irritant)
<b>Carcinogenicity</b>	No data
<b>Mutagenicity</b>	Negative

# UVEX Fog Eliminator™

<b>Toxicity for reproduction</b>	Negative
<u>Poly(oxy-1,2-ethanediyl), α-(tridecafluorooctyl)-ω-hydroxy (CAS No. 52550-44-4)</u>	
<b>Acute toxicity</b>	Oral LD50 = 550 mg/kg (rat) Inhalation LC50 > 5.9 mg/l (rat) Dermal LD50 > 5,000 mg/kg (rat)
<b>Irritation</b>	Slightly irritant to eyes. Non-irritant (Skin)
<b>Corrosivity</b>	No data
<b>Sensitisation</b>	No data
<b>Repeated dose toxicity</b>	No data
<b>Carcinogenicity</b>	No data
<b>Mutagenicity</b>	No data
<b>Toxicity for reproduction</b>	No data
<u>Potassium Hydroxide (CAS No. 1310-58-3)</u>	
<b>Acute toxicity</b>	Oral LD50 = 333 mg/kg (rat)
<b>Irritation</b>	Irritant (Eyes)
<b>Corrosivity</b>	Corrosive
<b>Sensitisation</b>	Negative
<b>Repeated dose toxicity</b>	No data
<b>Carcinogenicity</b>	No data
<b>Mutagenicity</b>	Negative
<b>Toxicity for reproduction</b>	No data
<b>Other information</b>	None known.

## SECTION 12: ECOLOGICAL INFORMATION

### Toxicity

#### Substances in preparations / mixtures/Substances in articles

Propylene glycol butyl ether (CAS No. 5131-66-8)

<b>Acute toxicity</b>	LC50 (96 hour): > 560 mg/l ( <i>P. reticulata</i> ) EC50 (48 hour): > 1,000 mg/l ( <i>Daphnia magna</i> ) EC50 (96 hour): 525 mg/l (Algae)
<b>Long Term Toxicity</b>	No data.

2-(2-butoxyethoxy)ethanol (CAS No.112-34-5)

<b>Acute toxicity</b>	LC50 (96 hour): 1,300 mg/l ( <i>L. macrochirus</i> ) LC50 (48 hour): 2,400 mg/l ( <i>L. macrochirus</i> ) EC50 (48 hour) > 100 mg/l ( <i>Daphnia magna</i> ) EC50 (96 hour) > 100 mg/l ( <i>D. subspicatus</i> )
<b>Long Term Toxicity</b>	No data.

Fluoroaliphatic oxyethylene adduct

<b>Acute toxicity</b>	LC50 = 36.7 mg/l (Rainbow trout) EC50 = 28.8 mg/l (Water flea)
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Potassium Hydroxide (CAS No. 1310-58-3)

<b>Acute toxicity</b>	No data.
<b>Long Term Toxicity</b>	No data.

**Persistence and degradability**

Not available

**Bioaccumulative potential**

Not available

**Mobility in soil**

Not available

**Results of PBT and vPvB assessment**

Not classified as PBT or vPvB.

**Other adverse effects**

None known.

# UVEX Fog Eliminator™

## SECTION 13: DISPOSAL CONSIDERATIONS

<b>Waste treatment methods</b>	Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.
<b>Additional Information</b>	None known.

## SECTION 14: TRANSPORT INFORMATION

<b>DOT (DEPARTMENT OF TRANSPORTATION)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Hazard label(s)	
Environmental hazards	
Special precautions for user	
<b>Sea transport (IMDG)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Marine Pollutant	
Special precautions for user	
<b>Air transport (ICAO/IATA)</b>	Not classified as dangerous for transport.
UN number	
Proper Shipping Name	
Transport hazard class(es)	
Packing Group	
Environmental hazards	
Special precautions for user	
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.

## SECTION 15: REGULATORY INFORMATION

**Safety, health and environmental regulations/legislation specific for the substance or mixture:**

**TSCA (Toxic Substance Control Act) - Inventory Status:** All components listed or polymer exempt.

**US RCRA No.:** None

**US RCRA Hazard Class:** None anticipated

**SARA 311/312 - Hazard Categories:** None

Fire  Sudden Release  Reactivity  Immediate (acute)  Chronic (delayed)

**SARA 313 - Toxic Chemicals:** None

**SARA 302 - Extremely Hazardous Substances:** None

## SECTION 16: OTHER INFORMATION

**Additional Information** None

**The following sections contain revisions or new statements:** 1-16.

**Date of preparation:** November 22, 2013

# UVEX Fog Eliminator™

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