



WSP- Water Based Pretreatment for First Contact Polymer- All Sizes

SAFETY DATA SHEET

According to Directive 67/548/EEC & Directive 1999/45/EC

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier	
GHS Product Identifier	Not applicable.
Chemical Name	Not applicable.
Trade name	WSP Pretreatment
CAS No.	Mixture
EINECS No.	Mixture
1.2 Relevant identified uses of the substance or mixture and uses advised against	
Identified use(s)	Mirror/Optics/Aerospace cleaner solution
Uses advised against	None.
1.3 Details of the supplier of the safety data sheet	
Company Identification	Photonic Cleaning Technologies, LLC
Telephone	1895 Short Lane, Platteville, WI, USA 53818
E-Mail	
1.4 Emergency telephone number	+1 (608) 467-5396
Emergency Phone No.	safety@photoniccleaning.com CHEMTREC 24 hr. +1 (703) 527-3887 (Collect call accepted)

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture	
Directive 67/548/EEC & Directive 1999/45/EC	Not classified as dangerous for supply/use.
2.2 Label elements	
Hazard Symbol	None
Risk Phrases	None
Safety Phrases	None
2.3 Other hazards	Not classified as PBT or vPvB.
2.4 Additional Information	None

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2 Mixtures -EC Classification No. 67/548/EEC

Hazardous ingredient(s)	%W/W	EC No.	REACH Registration No.	EC Classification and Risk Phrases
Isopropyl Alcohol	20-49%	200-661-7	Not applicable ^A	F; R11, Xi; R36 R67
Water	51-80%	231-791-2	Not applicable ^A	Not classified
Other*	----	----	Not applicable ^A	Not applicable

3.3 Additional Information - For full text of R phrases see section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures	
Inhalation	If symptoms occur obtain medical attention.
Skin Contact	Wash skin with water. If symptoms occur obtain medical attention.
Eye Contact	If substance has got into the eyes, wash out with water. If symptoms occur obtain medical attention.
Ingestion	Drink one glass of water. Do not induce vomiting. If symptoms occur obtain medical attention.
4.2 Most important symptoms and effects, both acute and delayed	None
4.3 Indication of the immediate medical attention and special treatment needed	

SECTION 5: FIRE-FIGHTING MEASURES

5.1 Extinguishing media	
-Suitable Extinguishing Media	Non-combustible
-Unsuitable Extinguishing Media	None anticipated.
5.2 Special hazards arising from the substance or mixture - none	
5.3 Advice for fire-fighters	As appropriate for surrounding fire. >50% Water - Will not support combustion



WSP- Water Based Pretreatment for First Contact Polymer- All Sizes

SECTION 6: ACCIDENTAL RELEASE MEASURES

- | | | |
|------------|--|--|
| 6.1 | Personal precautions, protective equipment and emergency procedures | - Not normally required. |
| 6.2 | Environmental precautions | Not normally required. |
| 6.3 | Methods and material for containment and cleaning up | Contain and cover spilled substance with dry sand or earth or other suitable dry material. Transfer to a container for disposal or recovery. Provide adequate ventilation. |

WSP- Water Based Pretreatment for First Contact Polymer- All Sizes

- 6.4 **Reference to other sections** None
- 6.5 **Additional Information** None.

SECTION 7: HANDLING AND STORAGE

- 7.1 **Precautions for safe handling** Wash affected skin with plenty of water. Remove contaminated clothing and wash clothing before reuse. Provide adequate ventilation. Avoid contact with skin, eyes or clothing.
- 7.2 **Conditions for safe storage, including any incompatibilities**
 -Storage Temperature Store at room temperature.
 -Incompatible materials None
- 7.3 **Specific end use(s)** Optics cleaner solution

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

SUBSTANCE.	EC No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note:
Isopropyl alcohol ^	200-661-7	400	999	400	1250	----

^ OEL (United Kingdom); * IOELV: Indicative Occupational Exposure Limit Value

Biological limit value				
Limit value type (country of origin)	SUBSTANCE.	EC No.	Biological limit value	Note:
United States	Isopropyl alcohol	200-661-7	40 mg/L	Acetone in urine; End of Shift

- 8.1.2 **Recommended monitoring method** UK HSE MDHS 88
- 8.2 **Exposure controls**
- 8.2.1 **Appropriate engineering controls** Not normally required.
- 8.2.2 **Personal protection equipment**
- Eye/face protection Not required under normal consumer use.
Industrial use: Safety spectacle
- Skin protection (Hand protection/ Other) Not required under normal consumer use.
Industrial use: Wear suitable gloves if prolonged skin contact is likely.
- Respiratory protection Not required under normal consumer use.
Industrial use: In case of inadequate ventilation wear respiratory protection.
- Thermal hazards Not normally relevant.
- 8.2.3 **Environmental Exposure Controls**

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Solution
Colour	Faint blue.
Odor	Not available.
Odor Threshold (ppm)	Not available.
pH (Value)	7
Melting Point (°C) / Freezing Point (°C)	Not available.
Boiling point/boiling range (°C):	Not determined.
Flash Point (°C)	Not determined
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Explosive limit ranges	Not available.
Vapor Pressure (Pascal)	Not available.
Vapor Density (Air=1)	Not available.
Density (g/ml)	Not available.
Specific Gravity	0.95 @ 22°C
Solubility (Water)	Soluble.
Solubility (Other)	Not known
Partition Coefficient (n-Octanol/water)	Not available.
Auto Ignition Temperature (°C)	Not available.
Decomposition Temperature (°C)	Not available.
Kinematic Viscosity (cP·s) @ 24°C	< 1
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.

9.2 Other information Not available.

SECTION 10: STABILITY AND REACTIVITY

10.1	Reactivity	Stable under normal conditions.
10.2	Chemical stability	Stable.
10.3	Possibility of hazardous reactions	None anticipated.
10.4	Conditions to avoid	Heat.
10.5	Incompatible materials	None
10.6	Hazardous Decomposition Product(s)	Carbon monoxide

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

11.1.1 Substances

Not applicable

11.1.2 Mixtures

Acute toxicity	Not available.
Irritation	Not available.
Corrosivity	Not available.
Sensitization	Not available.
Repeated dose toxicity	Not available.
Carcinogenicity	Not available.
Mutagenicity	Not available.
Toxicity for reproduction	Not available.

11.1.3 Substances in preparations / mixtures

Isopropyl Alcohol (EC No. 200-661-7)

Acute toxicity

-Oral: LD50 = 5.84 g/kg (rat)
 -Inhalation: LC50 > 1000 ppm (rat) 6 hour(s)
 -Dermal: LD50 = 16.4 ml/kg (rabbit) 24 hour(s)

Irritant

-Irritating to eyes.

Sensitisation

-It is not a skin sensitizer.

Repeated dose toxicity

-NOAEL = 5,000 ppm (Inhalation)

11.2 Other information

None known.

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Substances in preparations / mixtures

Isopropyl Alcohol (EC No. 200-661-7)

Biodegradability

- Biodegradable

Bioaccumulative potential

- The product has no potential for bioaccumulation.

Acute toxicity

-LC50(96 hour): 10,000 mg/l (Fathead minnow (*Pimephales promelas*))
 -LC50 24hour(s): >10,000 mg/l (*Daphnia magna*)

Long Term Toxicity

-NOEC: 3.37 µmol/l (*Daphnia magna*) (Growth rate)

12.2 Persistence and degradability

The organic part of the product is biodegradable.

12.3 Bioaccumulative potential

The product has no potential for bioaccumulation.

12.4 Mobility in soil

The product has high mobility in soil.

12.5 Results of PBT and vPvB assessment

Not classified as PBT or vPvB.

12.6 Other adverse effects

None known.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

13.2 Additional Information

None known.



WSP- Water Based Pretreatment for First Contact Polymer- All Sizes

SECTION 14: TRANSPORT INFORMATION

- In accordance with:** ADR Annex A 2.2.3.1.1 Note 1; ICAO 2.3.1.3(c); IATA DGR 3.3.1.3(c); and IMO 2.3.1.3.3
- 14.1 Land transport (ADR/RID)** 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
- 14.2 Sea transport (IMDG)** Not classified as dangerous for transport.
UN number
Proper Shipping Name
Transport hazard class(es)
Packing Group
Marine Pollutant
Special precautions for user
- 14.3 Air transport (ICAO/IATA)** Not classified as dangerous for transport.
UN number
Proper Shipping Name
Transport hazard class(es)
Packing Group
Environmental hazards
Special precautions for use
- 14.4 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code** Not applicable

SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:**
- | EU regulations | Listed |
|---|--------|
| Regulation (EC) 2037/2000 - Dangerous to the ozone layer. | No. |
| Regulation (EC) 850/2004 - Persistent Organic Pollutants | No. |
| Regulation (EC) 689/2008 - Export/Import of Dangerous Chemicals | No. |
| Regulation (EC) 1907/2006 - REACH Authorisations and/or restrictions on use | No. |
- 15.1.2 National regulations** Not established.
- 15.2 Chemical Safety Assessment** Not applicable

SECTION 16: OTHER INFORMATION

Classification of the substance or mixture

Regulation (EC) No. 1272/2008 (CLP) Not classified as dangerous for supply/use.

Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

GHS Product Identifier	None
Hazard pictogram(s)	None
Signal word(s)	None
Hazard statement(s)	None
Precautionary statement(s)	None

Additional information

None

Risk Phrases and Safety Phrases:

- R11: Highly flammable.
- R36: Irritating to eyes.
- R67: Vapours may cause drowsiness and dizziness.

Hazard statement(s) and Precautionary statement(s): None.

Training advice: None.

Additional information: None.

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Photonic Cleaning Technologies, LLC gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Photonic Cleaning Technologies, LLC accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.