

XPEL PROTECTION FILM CLEANER

Safety Data Sheet

Issue Date: 26-Mar-2012 | Revision Date: 14-Dec-2016 | Version 1.1

SECTION 1: Identification Of The Substance/Mixture And Of The Company/Undertaking

1.1. Product identifier

Product name XPEL Protection Film Cleaner

Contains Sodium metasilicate, Glycol Ether EB

1.2. Other means of identification

SDS # XPEL-005-EU

1.3 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Recommended Use Not determined.

1.4. Details of the supplier of the safety data sheet

XPEL Technologies Corp.
618 W. Sunset Rd.
San Antonio, TX 78216

For further information, please contact

Contact Point: XPEL TECHNOLOGIES CORP. PHONE: 1-210-678-3700
Email Address: frank@xpel.com

1.5. Emergency telephone number

Emergency number (24 hr) : INFOTRAC 1-352-323-3500 (International)
: 1-800-535-5053 (North America)

SECTION 2: Hazards identification

2.1. Classification of the Substance or Mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation : Category 1 - (H314)

Serious eye damage/eye irritation : Category 1 - (H318)

2.2. Label Elements

Product Identifier Contains Sodium metasilicate, Glycol Ether EB

Signal word Danger

Hazard statements H314 - Causes severe skin burns and eye damage



Precautionary Statements - EU (§28, 1272/2008)s

P260 - Do not breathe dust/fume/gas/mist/vapours/spray
P264 - Wash face, hands and any exposed skin thoroughly after handling
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P303 + P361 + P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
P363 - Wash contaminated clothing before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
P310 - Immediately call a POISON CENTER or doctor

2.3. Other Hazards

No information available

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SECTION 3 - Composition/Information on Ingredients

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH Registration Number
Dipropylene Glycol Monomethyl Ether (DPM)	Present	34590-94-8	10-12	Not determined	Not determined
Glycol Ether EB	Present	111-76-2	2-4	Acute Tox. 4 (H302) Acute Tox. 4 (H312) Acute Tox. 4 (H332) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	Not determined
Sodium metasilicate	Present	6834-92-0	1-2	Skin Corr. 1B (H314) STOT SE 3 (H335)	Not determined

Full text of H- and EUH-phrases: see section 16

Additional Information

Substances without a classification are included, because they have established occupational exposure limits
This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4 - First Aid Measures

4.1 Description of first aid measures

General Advice	Provide this SDS to medical personnel for treatment.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center or doctor/physician.
Skin Contact	Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a poison center or doctor/physician.
Ingestion	Rinse mouth. Do NOT induce vomiting. If conscious give 2 glasses of water to dilute. Immediately call a poison center or doctor/physician.

4.2 Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms Causes severe skin burns and eye damage.

4.3. Indication of any Immediate Medical Attention and Special Treatment Needed

Notes to Physician Treat symptomatically.

SECTION 5 - Firefighting Measures

5.1 Extinguishing media

Suitable Extinguishing Media Carbon dioxide (CO₂). Foam. Dry chemical.
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

Corrosive material.

5.3. Advice for Firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6 - Accidental Release Measures

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Personal Precautions Wear protective clothing as described in Section 8 of this safety data sheet.
For Emergency Responders Use personal protection recommended in Section 8.

6.2 Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways and/or groundwater. See Section 12, Ecological Information.

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6.3 Methods and Material for Containment and Cleaning Up

Methods for Containment Prevent further leakage or spillage if safe to do so. Soak up and contain spill with an inert (i.e. vermiculite, dry sand or earth) absorbent material.

Methods for Clean-Up Use only non-sparking tools. Sweep up and shovel into suitable containers for disposal. For waste disposal, see section 13 of the SDS.

6.4. Reference to Other Sections

See Section 13: DISPOSAL CONSIDERATIONS.

SECTION 7 - Handling and Storage

7.1 Precautions for safe handling

Advice on Safe Handling Wash face, hands and any exposed skin thoroughly after handling. Do not breathe dust/fume/gas/mist/vapours/spray. Wear protective gloves/protective clothing and eye/face protection. Keep away from heat/sparks/open flames/hot surfaces. — No smoking. Avoid contact with skin, eyes or clothing.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

7.2 Conditions for safe storage, including any incompatibilities

Storage Conditions Keep container tightly closed and store in a cool, dry and well-ventilated place. Store locked up. Avoid freezing while in storage. Protect from direct sunlight.

7.3 Specific End Use(s)

Specific Use(s)

Film cleaner.

Risk Management Methods (RMM)

The information required is contained in this Safety Data Sheet.

SECTION 8 - Exposure Controls/Personal Protection

8.1 Exposure Guidelines

Exposure Limits

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	S* TWA 50 ppm TWA 308 mg/m ³	STEL: 150 ppm STEL: 924 mg/m ³ TWA: 50 ppm TWA: 308 mg/m ³ Skin	TWA: 50 ppm TWA: 308 mg/m ³	S* TWA: 50 ppm TWA: 308 mg/m ³	TWA: 50 ppm TWA: 310 mg/m ³
Glycol Ether EB 111-76-2	S* TWA 20 ppm TWA 98 mg/m ³ STEL 50 ppm STEL 246 mg/m ³	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 25 ppm TWA: 123 mg/m ³ Skin	TWA: 10 ppm TWA: 49 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³	S* STEL: 50 ppm STEL: 245 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	TWA: 10 ppm TWA: 49 mg/m ³ H*
Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Isopropyl Alcohol 67-63-0	TWA: 50 ppm TWA: 308 mg/m ³ Skin	STEL: 150 ppm TWA: 50 ppm TWA: 308 mg/m ³	TWA: 300 mg/m ³	TWA: 50 ppm TWA: 310 mg/m ³ Skin	TWA: 50 ppm TWA: 309 mg/m ³ Skin
Glycol Ether EB 111-76-2	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin	STEL: 50 ppm STEL: 246 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	Skin STEL: 246 mg/m ³ TWA: 100 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 250 mg/m ³ Skin	TWA: 20 ppm TWA: 98 mg/m ³ Skin
Chemical Name	Austria	Switzerland	Poland	Norway	Ireland
Isopropyl Alcohol 67-63-0	Skin STEL 100 ppm STEL 614 mg/m ³ TWA: 50 ppm TWA: 307 mg/m ³	STEL: 400 ppm STEL: 1000 mg/m ³ TWA: 200 ppm TWA: 500 mg/m ³	STEL: 480 mg/m ³ TWA: 240 mg/m ³	TWA: 50 ppm TWA: 300 mg/m ³ Skin STEL: 75 ppm STEL: 375 mg/m ³	TWA: 50 ppm TWA: 308 mg/m ³ STEL: 150 ppm STEL: 924 mg/m ³ Skin
Glycol Ether EB 111-76-2	Skin STEL 40 ppm STEL 200 mg/m ³ TWA: 20 ppm TWA: 98 mg/m ³	Skin STEL: 20 ppm STEL: 98 mg/m ³ TWA: 10 ppm TWA: 49 mg/m ³	STEL: 200 mg/m ³ TWA: 98 mg/m ³	TWA: 10 ppm TWA: 50 mg/m ³ Skin STEL: 15 ppm STEL: 75 mg/m ³	TWA: 20 ppm TWA: 98 mg/m ³ STEL: 50 ppm STEL: 246 mg/m ³ Skin

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8.2 Exposure Controls

Engineering Controls Apply technical measures to comply with the occupational exposure limits. Ensure that eyewash stations and safety showers are close to the workstation location. Provide adequate ventilation.

8.3 Personal Protective Equipment

Eye/Face Protection Chemical goggles or full face shield. If necessary, refer to appropriate regulations & standards.

Hand Protection Wear impervious gloves. Ensure that the breakthrough time of the glove material is not exceeded. Refer to glove supplier for information on breakthrough time for specific gloves.

Skin and Body Protection Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Refer to European Standard EN 1149 for further information on material and design requirements and test methods.

Respiratory Protection Ensure adequate ventilation, especially in confined areas. In case of inadequate ventilation or risk of inhalation of vapors, use suitable respiratory equipment.

SECTION 9 - Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Material Description		
Physical State : Liquid	Odour : Sweet	
Appearance : Clear liquid	Odour Threshold : No data available	
Colour : Clear		
General Properties		
Property	Values	Remarks • Method
pH	12	
Melting Point/Freezing Point	No data	
Boiling Point/Boiling Range	100 °C / 212 °F	
Flash Point	> 71 °C / > 160 °F	Tag Closed Cup
Evaporation Rate	No data available	
Flammability (Solid, Gas)	No information available	
Flammability Limits in Air		
Upper Flammability Limits	Not determined	
Lower Flammability Limits	Not determined	
Vapor Pressure	Not determined	
Vapor Density	No data available	(Air=1)
Relative Density	< 1	@ 20°C (68°F) (Water = 1)
Water Solubility	>18g/100mL	
Solubility in other solvents	Not determined	
Partition Coefficient	Not determined	
Auto-ignition Temperature	No data available	
Decomposition Temperature	No data available	
Kinematic Viscosity	Not determined	
Dynamic Viscosity	Not determined	
Explosive Properties	Not determined	
Oxidizing Properties	Not determined	

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SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under normal conditions.

10.3 Possibility of hazardous reactions

None under normal processing.

10.4 Conditions to avoid

Keep out of reach of children. Extremes of temperature and direct sunlight.

10.5 Incompatible materials

Strong oxidizing agents. Strong acids. Strong bases.

10.6 Hazardous decomposition products

Carbon oxides.

SECTION 11 - Toxicological Information

11.1 Information on Toxicological Effects

Acute Toxicity

Product Information

Inhalation	Do not inhale.
Eye Contact	Causes serious eye damage.
Skin Contact	Causes severe skin burns.
Ingestion	Do not ingest.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	1,430.00 mg/kg
ATEmix (dermal)	3,266.00 mg/kg
ATEmix (inhalation-dust/mist)	1.50 mg/L
ATEmix (inhalation-vapour)	2.17 mg/L

Unknown Acute Toxicity

100%	of the mixture consists of ingredient(s) of unknown toxicity.
82%	of the mixture consists of ingredient(s) of unknown acute oral toxicity.
84%	of the mixture consists of ingredient(s) of unknown acute dermal toxicity.
100%	of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas).
96%	of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour).
96%	of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist).

11.2 Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dipropylene Glycol Monomethyl Ether (DPM)	= 5400 µL/kg (Rat)	= 9500 mg/kg (Rabbit)	
Glycol Ether EB	= 470 mg/kg (Rat)	= 99 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h
Sodium metasilicate	= 1153 mg/kg (Rat)		

Skin corrosion/irritation	Causes severe skin burns.
Serious eye damage/eye irritation	Causes severe eye damage.
Sensitisation	Not classified.
Germ cell mutagenicity	Not classified.
Carcinogenicity	Not classified.
Reproductive toxicity	Not classified.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

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SECTION 12 - Ecological Information

12.1 Toxicity

An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Dipropylene Glycol Monomethyl Ether (DPM)		10000: 96 h Pimephales promelas mg/L LC50 static	1919: 48 h Daphnia magna mg/L LC50
Glycol Ether EB		1490: 96 h Lepomis macrochirus mg/L LC50 static 2950: 96 h Lepomis macrochirus mg/L LC50	1698 - 1940: 24 h Daphnia magna mg/L EC50 1000: 48 h Daphnia magna mg/L EC50
Sodium metasilicate		210: 96 h Brachydanio rerio mg/L LC50 semi-static 210: 96 h Brachydanio rerio mg/L LC50	216: 96 h Daphnia magna mg/L EC50

12.2 Persistence / degradability

Not determined.

12.3 Bioaccumulative Potential

Chemical Name	Partition Coefficient
Dipropylene Glycol Monomethyl Ether (DPM)	-0.064
Glycol Ether EB	0.81

12.4 Mobility in Soil

Mobility

Not determined.

12.5 Results of PBT and vPvB Assessment

Not determined

12.6. Other Adverse Effects

Not determined.

SECTION 13 - Disposal Considerations

13.1 Waste treatment methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated Packaging Empty containers can retain product residues and shall be disposed in accordance with the provisions proposed for the product.

SECTION 14 - Transport Information

Note

Please see current shipping paper for most up to date shipping information, including exemptions and special circumstances.

IMDG 14.2 Proper Shipping Name	Not regulated
RID 14.2 Proper Shipping Name	Not regulated
ADR 14.2 Proper Shipping Name	Not regulated
IATA 14.2 Proper Shipping Name	Not regulated

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SECTION 15 - Regulatory Information

15.1 Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture

France

Occupational Illnesses (R-463-3, France)

Chemical Name	French RG number	Title
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8	RG 84	
Glycol Ether EB 111-76-2	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorisations and/or restrictions on use:

This product does not contain substances subject to authorisation (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Ozone-depleting substances (ODS) regulation (EC) 1005/2009 Not applicable

INTERNATIONAL INVENTORIES

Component	TSCA	DSL/NDSL	EINECS/ ELINCS	PICCS	ENCS	IECSC	AICS	KECL
Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 (10-12)	X	X	X	X	Present	X	X	Present
Glycol Ether EB 111-76-2 (2-4)	X	X	X	X	Present	X	X	Present
Sodium metasilicate 6834-92-0 (1-2)	X	X	X	X	Present	X	X	Present

Legend

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

PICCS - Philippines Inventory of Chemicals and Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

AICS - Australian Inventory of Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

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SECTION 16 - Other Information

Full text of H-Statements referred to under section 3

H302 - Harmful if swallowed
H312 - Harmful in contact with skin
H332 - Harmful if inhaled
H315 - Causes skin irritation
H319 - Causes serious eye irritation
H314 - Causes severe skin burns and eye damage
H335 - May cause respiratory irritation

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend			
Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION			
TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

Classification Procedure

Calculation method

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Revision Note: New format

This safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006, as amended by Regulation (EU) No. 453/2010

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet