

XPEL PROTECTION FILM CLEANER

Safety Data Sheet

Issue Date: 26-Mar-2012 | Revision Date: 21-Apr-2020 | Version 1.1

SECTION 1: Identification

1.1. Product identifier

Product name XPEL Protection Film Cleaner

1.2. Other means of identification

SDS # XPEL-005

1.3. Recommended use of the chemical and restrictions on use

Recommended Use Removing contaminants from XPEL PPF

1.4. Details of the supplier of the safety data sheet

XPEL, Inc.
618 W. Sunset Rd.
San Antonio, TX 78216
T 210-678-3700 | F 210-678-3701

1.5. Emergency telephone number

Emergency number (24 hr) : 1-800-535-5053 (INFOTRAC)

SECTION 2: Hazards identification

Appearance: Clear liquid

Physical state: Liquid

Odor: Sweet

2.1. Classification

Skin corrosion/irritation : Category 1

Serious eye damage/eye irritation : Category 1

Flammable Liquids : Category 4

Signal word

Danger

Hazard statements

Causes severe skin burns and eye damage
Combustible liquid



Precautionary statements

Prevention

Do not breathe dust/fume/gas/mist/vapors/spray
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking

Response

Immediately call a poison center or doctor/physician
IF IN EYES: 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
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing
Immediately call a poison center or doctor/physician
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting
In case of fire: Use CO₂, dry chemical, or foam for extinction

Storage

Store locked up
Store in a well-ventilated place. Keep cool

Disposal

Dispose of contents/container to an approved waste disposal plant

SECTION 3 - Composition/Information on Ingredients

| Chemical Name | CAS No. | %(weight) |
|---|------------|-----------|
| Dipropylene Glycol Monomethyl Ether (DPM) | 34590-94-8 | 10-12 |
| Glycol Ether EB | 111-76-2 | 2-4 |
| Sodium metasilicate | 6834-92-0 | 1-2 |

If Chemical Name/CAS No is "proprietary" and/or Weight-% is listed as a range, the specific chemical identity and/or percentage of composition has been withheld as a trade secret.

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

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 Specific Hazards Arising from the Chemical

Combustible liquid.

5.3 Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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.

6.2 Environmental precautions

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

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. |

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/vapors/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. 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.

Incompatible Materials

Strong oxidizing agents. Strong acids. Strong bases.

SECTION 8 - Exposure Controls/Personal Protection

8.1 Exposure Guidelines

| Chemical Name | ACGIH TLV | OSHA PEL | NIOSH IDLH |
|---|-------------------------------------|--|---|
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | STEL: 150 ppm TWA: 100 ppm S* | TWA: 100 ppm TWA: 600 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 600 mg/m ³ (vacated) STEL: 150 ppm (vacated) STEL: 900 mg/m ³ (vacated) S* S* | IDLH: 600 ppm TWA: 100 ppm TWA: 600 mg/m ³ STEL: 150 ppm STEL: 900 mg/m ³ |
| Glycol Ether EB 111-76-2 | TWA: 20 ppm | TWA: 50 ppm TWA: 240 mg/m ³ (vacated) TWA: 25 ppm (vacated) TWA: 120 mg/m ³ (vacated) S* S* | IDLH: 700 ppm TWA: 5 ppm TWA: 24 mg/m ³ |
| Sodium metasilicate 6834-92-0 | 2 mg/m ³ | 2 mg/m ³ | - |

8.2 Appropriate engineering 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 Individual protection measures, such as personal protective equipment

Eye/Face Protection

Chemical goggles or full face shield. Refer to 29 CFR 1910.133 for eye and face protection regulations.

Skin and Body Protection

Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact. Refer to 29 CFR 1910.138 for appropriate skin and body protection.

Respiratory Protection

If necessary, wear a MSHA/NIOSH-approved respirator. Refer to 29 CFR 1910.134 for respiratory protection requirements.

General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practice.

SECTION 9 - Physical and Chemical Properties

9.1 Information on Physical and Chemical Properties

| Material Description | | |
|------------------------------|--------------------------|---|
| Physical State | : Liquid | Odor : Sweet |
| Appearance | : Clear liquid | Odor Threshold : No data available |
| Color | : Clear | |
| General Properties | | |
| Property | Values | Remarks • Method |
| pH | 11-12 | |
| Melting Point/Freezing Point | No data | |
| Boiling Point/Boiling Range | 100 °C / 212 °F | |
| Flash Point | > 71.1 / > 160 | 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 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 | No data available | |
| Dynamic Viscosity | No data available | |
| Explosive Properties | No data available | |
| Oxidizing Properties | No data available | |

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not reactive under normal conditions.

10.2 Chemical stability

Stable under recommended storage 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 likely routes of exposure

Product Information

| | |
|--------------|---|
| Eye Contact | Causes serious eye damage. |
| Skin Contact | Causes severe skin burns. |
| Inhalation | May cause irritation to the mucous membranes and upper respiratory tract. |
| Ingestion | Can cause irritation and corrosive burns to mouth, throat, and stomach. |

11.2 Component Information

| Chemical Name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---|----------------------|-------------------------|-----------------------|
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | = 5400 µL/kg (Rat) | = 9500 mg/kg (Rabbit) | - |
| Glycol Ether EB 111-76-2 | = 470 mg/kg (Rat) | = 99 mg/kg (Rabbit) | = 450 ppm (Rat) 4 h |
| Sodium metasilicate 6834-92-0 | = 1153 mg/kg (Rat) | - | - |

11.3 Information on physical, chemical and toxicological effects

Symptoms Please see section 4 of this SDS for symptoms.

11.4 Delayed and immediate effects as well as chronic effects from short and long-term exposure

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen. However, the product as a whole has not been tested.

| Chemical Name | ACGIH | IARC | NTP | OSHA |
|-----------------------------|-------|---------|-----|------|
| Glycol Ether EB 111-76-2 | A3 | Group 3 | | |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen
 IARC (International Agency for Research on Cancer)
 Group 3 - Not Classifiable as to Carcinogenicity in Humans

11.5 Numerical measures of toxicity

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

ATEmix (oral) 7,946.00 mg/kg

ATEmix (dermal) 20,410.00 mg/kg

ATEmix (inhalation-dust/mist) 37.50 mg/L

SECTION 12 - Ecological Information

12.1 Ecotoxicity

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

12.2 Component Information

| Chemical Name | Algae/aquatic plants | Fish | Crustacea |
|---|----------------------|--|--|
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | | 10000: 96 h Pimephales promelas mg/L LC50 static | 1919: 48 h Daphnia magna mg/L LC50 |
| Glycol Ether EB 111-76-2 | | 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 6834-92-0 | | 210: 96 h Brachydanio rerio mg/L LC50 210: 96 h Brachydanio rerio mg/L LC50 semi-static | 216: 96 h Daphnia magna mg/L EC50 |

12.3 Persistence / degradability

Not determined.

12.4 Bioaccumulative

Not determined.

12.5 Mobility

| Chemical Name | Partition Coefficient |
|---|-----------------------|
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | -0.064 |
| Glycol Ether EB 111-76-2 | 0.81 |

12.6 Other adverse effects

Not determined

SECTION 13 - Disposal Considerations

13.1 Waste treatment methods

| | |
|------------------------|--|
| Disposal of Wastes | 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.

| | |
|------|--|
| DOT | Not regulated (If shipped in NON BULK packaging by ground transport) |
| IATA | Not regulated |
| IMDG | Not regulated |

SECTION 15 - Regulatory Information

15.1 International Inventories

| Chemical Name | TSCA | DSL/NDSL | EINECS/E LINCS | ENCS | IECSC | KECL | PICCS | AICS |
|---|------|----------|----------------|---------|-------|---------|-------|------|
| Dipropylene Glycol Monomethyl Ether (DPM) | X | X | X | Present | X | Present | X | X |
| Glycol Ether EB | X | X | X | Present | X | Present | X | X |
| Sodium metasilicate | X | X | X | Present | X | Present | X | X |

Legend

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

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

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

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

AICS - Australian Inventory of Chemical Substances

15.2 US Federal Regulations

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

| Chemical Name | CAS No. | Weight - % | SARA 313 - Threshold Values % |
|--|------------|------------|-------------------------------|
| Dipropylene Glycol Monomethyl Ether (DPM) - 34590-94-8 | 34590-94-8 | 10-12 | 1.0 |
| Glycol Ether EB - 111-76-2 | 111-76-2 | 2-4 | 1.0 |

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

15.3 US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals.

15.4 U.S. State Right-to-Know Regulations

| Chemical Name | New Jersey | Massachusetts | Pennsylvania |
|---|------------|---------------|--------------|
| Dipropylene Glycol Monomethyl Ether (DPM) 34590-94-8 | X | X | X |
| Glycol Ether EB 111-76-2 | X | X | X |

SECTION 16 - Other Information

| NFPA | Health Hazards | Flammability | Instability | Special Hazards |
|------|----------------|----------------|------------------|---------------------|
| | Not determined | Not determined | Not determined | Not determined |
| HMIS | Health Hazards | Flammability | Physical hazards | Personal Protection |
| | Not determined | Not determined | Not determined | Not Determined |

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Disclaimer/Statement of Liability

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