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

1.1. Product identifier

Product name XPEL WPF RESTORE

SDS # XPEL-044-EU

1.2. Other means of identification

Pure substance/mixture Mixture

Contains Light aliphatic solvent naphtha

1.3. Relevant identified uses of the substance or mixture and uses advised against

Recommended Use Polish

Uses Advised Against No information available

1.4. Details of the supplier of the safety data sheet

XPEL, Inc.
3251 I-35
San Antonio, TX, 78219
Ph: 1-210-678-3700
Fax: 1-210-678-3701
Email: support@xpel.com

1.5. Emergency telephone number

Emergency Telephone (24 hr) INFOTRAC 1-352-323-3500 (International)

1-800-535-5053 (North America)

Emergency Telephone Number - §45 - (EC)1272/2008	
Europe	112

SECTION 2 - Hazard(s) identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

2.2. Label elements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]

Hazard statements

This mixture is classified as not hazardous according to regulation (EC) 1272/2008 [CLP]
EUH210 - Safety data sheet available on request

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

2.3. Other hazards

Causes mild skin irritation.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors.

SECTION 3 - Composition/Information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Chemical Name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No. 1272/2008 [CLP]	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)
Glycol Ether EB 111-76-2	1-5	No data available	(603-014-00-0) 203-905-0	Acute Tox. 4 (H302) Acute Tox. 3 (H331) Skin Irrit. 2 (H315) Eye Irrit. 2 (H319)	-	-	-

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

Acute Toxicity Estimate

If LD50/LC50 data is not available or does not correspond to the classification category, then the appropriate conversion value from CLP Annex I, Table 3.1.2, is used to calculate the acute toxicity estimate (ATEmix) for classifying a mixture based on its components

Chemical Name	Oral LD50 mg/kg	Dermal LD50 mg/kg	Inhalation LC50 - 4 hour - dust/mist - mg/L	Inhalation LC50 - 4 hour - vapour - mg/L	Inhalation LC50 - 4 hour - gas - ppm
Glycol Ether EB 111-76-2	1200 + 470	435	Inhalation LC50 Rat 450 ppm 4 h (females, vapor, Source: NLM_PUBMED); Inhalation LC50 Rat 486 ppm 4 h (males, vapor, Source: NLM_PUBMED)	450 486 3 + 2.1749 2.3489	Inhalation LC50 Rat 450 ppm 4 h (females, vapor, Source: NLM_PUBMED); Inhalation LC50 Rat 486 ppm 4 h (males, vapor, Source: NLM_PUBMED)

+ This value is the harmonised acute toxicity estimate (ATE) listed in CLP Annex VI, Part 3. This harmonised ATE value must be used when calculating the acute toxicity estimate (ATEmix) for classifying a mixture containing the listed substance

This product does not contain candidate substances of very high concern at a concentration >=0.1% (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of necessary first-aid measures

General information	Provide this SDS to medical personnel for treatment.
After inhalation	Remove to fresh air.
After skin contact	Wash skin with soap and water. In the case of skin irritation or allergic reactions see a doctor.
After eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
After swallowing	Rinse mouth.

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

Symptoms/effects	Prolonged contact may cause redness and irritation.

4.3. Indication of any immediate medical attention and special treatment needed

Treatment	Treat symptomatically.

SECTION 5: Fire-fighting measures

5.1. Extinguishing media

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Large Fire	CAUTION: Use of water spray when fighting fire may be inefficient.
Unsuitable Extinguishing Media	Do not scatter spilled material with high pressure water streams.

5.2. Specific Hazards Arising from the chemical

Not determined.

5.3. Protective equipment and precautions for firefighters

Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Ensure adequate ventilation.
For emergency responders	Use personal protection recommended in Section 8.

6.2. Environmental precautions

See Section 12 for additional Ecological Information.

6.3. Methods and materials for containment and cleaning up

Methods for containment	Prevent further leakage or spillage if safe to do so.
Methods for clean-up	Take up mechanically, placing in appropriate containers for disposal.
Prevention of secondary hazards	Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections	See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice for safe handling	Ensure adequate ventilation.
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 containers tightly closed in a dry, cool and well-ventilated place.
Storage class (TRGS 510)	LGK 10.

7.3. Specific end use(s)

Specific Use(s)	Surface protectant/surfactant.
Risk Management Methods (RMM)	The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls and personal protection

8.1. Control parameters

Exposure Limits

Chemical name	European Union	Austria	Belgium	Bulgaria	Croatia
Glycol Ether EB 111-76-2	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 *	TWA: 20 ppm TWA: 98 mg/m3 STEL 40 ppm STEL 200 mg/m3 H*	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 D*	STEL: 50 ppm STEL: 246 mg/m3 TWA: 20 ppm TWA: 98 mg/m3 K*	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 *
Chemical name	**Cyprus**	**Czech Republic**	**Denmark**	**Estonia**	**Finland**
Glycol Ether EB 111-76-2	* STEL: 50 ppm STEL: 246 mg/m3 TWA: 20 ppm TWA: 98 mg/m3	TWA: 100 mg/m3 Ceiling: 200 mg/m3 D*	TWA: 20 ppm TWA: 98 mg/m3 H*	S+ TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 A*	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 250 mg/m3 iho*
Chemical name	**France**	**Germany TRGS**	**Germany DFG**	**Greece**	**Hungary**
Glycol Ether EB 111-76-2	TWA: 10 ppm TWA: 49 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 *	TWA: 10 ppm TWA: 49 mg/m3 H*	TWA: 10 ppm TWA: 49 mg/m3 Peak: 20 ppm Peak: 98 mg/m3 *	TWA: 25 ppm TWA: 120 mg/m3 *	TWA: 98 mg/m3 STEL: 246 mg/m3 b*
Chemical name	**Ireland**	**Italy MDLPS**	**Italy AIDII**	**Latvia**	**Lithuania**
Glycol Ether EB 111-76-2	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 Sk*	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 cute*	TWA: 20 ppm TWA: 97 mg/m3	TWA: 20 ppm TWA: 98 mg/m3 STEL: 50 ppm STEL: 246 mg/m3 Ada*	TWA: 10 ppm TWA: 50 mg/m3 STEL: 20 ppm STEL: 100 mg/m3 O*
Chemical name	**Luxembourg**	**Malta**	**Netherlands**	**Norway**	**Poland**
Glycol Ether EB 111-76-2	STEL: 50 ppm STEL: 246 mg/m3 TWA: 20 ppm TWA: 98 mg/m3 Peau*	STEL: 50 ppm STEL: 246 mg/m3 TWA: 20 ppm TWA: 98 mg/m3 skin*	TWA: 100 mg/m3 STEL: 246 mg/m3 H*	TWA: 10 ppm TWA: 50 mg/m3 STEL: 20 ppm STEL: 75 mg/m3 H*	STEL: 200 mg/m3 TWA: 98 mg/m3 skóra*

Biological occupational exposure limits

Chemical name	European Union	Austria	Bulgaria	Croatia	Czech Republic
Glycol Ether EB 111-76-2	-	-	-	-	200 mg/g Creatinine (urine - Butoxyacetic acid end of shift at end of workweek) 0.17 mmol/mmol Creatinine (urine - Butoxyacetic acid end of shift at end of workweek)

Chemical name	Denmark	Finland	France	Germany DFG	Germany TRGS
Glycol Ether EB 111-76-2	-	-	-	150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) for long-term exposures: at the end of the shift after several shifts) 150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) end of shift) 150 mg/g Creatinine - BAT (for long-term exposures: at the end of the shift after several shifts) urine 150 mg/g Creatinine - BAT (end of exposure or end of shift) urine	150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) for long-term exposures: at the end of the shift after several shifts) 150 mg/g Creatinine (urine - Butoxyacetic acid (after hydrolysis) end of shift)

Chemical name	Hungary	Ireland	Italy MDLPS	Italy AIDII
Glycol Ether EB 111-76-2	-	200 mg/g Creatinine (urine - end of shift)	-	200 mg/g Creatinine - urine (Butoxyacetic acid (with hydrolysis)) - end of shift

Chemical name	Slovenia	Spain	Switzerland	United Kingdom
Glycol Ether EB 111-76-2	150 mg/g Creatinine - urine (Butoxyacetic acid (after hydrolysis)) - at the end of the work shift; for long-term exposure: at the end of the work shift after several consecutive workdays	200 mg/g Creatinine (urine - Butoxyacetic acid (with hydrolysis) end of shift)	150 mg/g creatinine (urine - 2-Butoxyacetic acid (after hydrolysis) end of shift, and after several shifts (for long-term exposures))	240 mmol/mol creatinine - urine (Butoxyacetic acid) - post shift

Derived No Effect Level (DNEL) - Workers	No information available
Derived No Effect Level (DNEL) - General Public	No information available
Predicted No Effect Concentration (PNEC)	No information available

8.2. Exposure controls

Engineering controls	No information available.
Personal Protective Equipment	
Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and Body Protection	Wear suitable protective clothing.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1 Information on Physical and Chemical Properties

Physical state	Liquid
Appearance	White liquid
Colour	White
Odour	Slight aromatic odor.
Odour Threshold	No information available
pH	No data available
Melting point/Melting range	No data available
Boiling point/Boiling range	No data available
Flash point	No data available
Evaporation rate	No data available
Flammability (solid, gaseous)	No data available
Upper flammability or explosive limits	No data available
Lower flammability or explosive limits	No data available
Vapour Pressure	Not determined
Vapour density	No data available
Relative density	No data available
Water Solubility	Not determined
Solubility in other solvents	Not determined
Partition Coefficient	Not determined
Autoignition temperature	No data available
Decomposition temperature	Not determined
Kinematic viscosity	Not determined
Dynamic Viscosity	Not determined
Particle Size	No information available
Particle Size Distribution	No information available

9.2. Other information

Information with regards to physical hazard classes	Not applicable
Other safety characteristics	No information available

SECTION 10: Stability and reactivity

Reactivity	No information available.
Chemical stability	Stable under normal conditions.
Possibility of hazardous reactions	None under normal processing.
Conditions to avoid	None known based on information supplied.
Incompatible materials	None known based on information supplied.
Hazardous decomposition products	None known based on information supplied.

SECTION 11: Toxicological information (LD/LC50 values that are relevant for classification) 1330-20-7 xylene

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Information on likely routes of exposure

Product Information	No acute toxicity information is available for this product
Skin contact	Specific test data for the substance or mixture is not available. Causes mild skin irritation.

11.2. Symptoms related to the physical, chemical and toxicological characteristics

Symptoms	Prolonged contact may cause redness and irritation.

11.3. Acute Toxicity

Numerical measures of toxicity

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

ATEmix (oral)	63,157.90 mg/kg
ATEmix (dermal)	57,894.70 mg/kg
ATEmix (inhalation-vapour)	157.90 mg/l
ATEmix (inhalation-dust/mist)	26.368 mg/l

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Glycol Ether EB	= 470 mg/kg (Rat)	= 435 mg/kg (Rabbit)	= 450 ppm (Rat) 4 h = 486 ppm (Rat) 4 h

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

Skin corrosion/irritation	Classification based on data available for ingredients. Causes mild skin irritation.
Serious eye damage/eye irritation	Not classified.
Respiratory or skin 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.

11.5. Information on other hazards

Endocrine disrupting properties	This product does not contain any known or suspected endocrine disruptors.
Other Adverse Effects	No information available.

SECTION 12: Ecological information

12.1. Ecotoxicity

Unknown aquatic toxicity Contains 0 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish		Crustacea
Glycol Ether EB	-	LC50: =1490mg/L (96h, Lepomis macrochirus) LC50: =2950mg/L (96h, Lepomis macrochirus)	-	EC50: >1000mg/L (48h, Daphnia magna)

12.2. Persistence/Degradability

No information available.

12.3. Bioaccumulation

Component Information

Chemical name	Partition coefficient
Glycol Ether EB	0.81

12.4. Mobility

No information available.

12.5. Results of PBT and vPvB assessment

The product does not contain any substance(s) classified as PBT or vPvB.

Chemical name	PBT and vPvB assessment
Glycol Ether EB	The substance is not PBT / vPvB

12.6. Endocrine disrupting properties

No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

Disposal of Wastes	Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.
Contaminated Packaging	Do not reuse empty containers.

SECTION 14: Transport information

IMDG	Not regulated
RID	Not regulated
ADR	Not regulated
IATA	Not regulated

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National Regulations

France

Occupational Illnesses (R-463-3, France)

Chemical name	French RG number
Light aliphatic solvent naphtha 64742-48-9	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 contains one or more substance(s) subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Chemical name	Restricted substance per REACH Annex XVII	Substance subject to authorisation per REACH Annex XIV
Light aliphatic solvent naphtha 64742-48-9	28. 29. 75.	-

Persistent Organic Pollutants

Not applicable.

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable.

International Inventories

Chemical name	TSCA	DSL/NDSL	EINECS/ ELINCS	PICCS	ENCS	IECSC	AIIC	KECL
Glycol Ether EB 111-76-2 (1-5)	x	x	x	x	x	x	x	x

International Inventories	
TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AIIC	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend	
TSCA	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 Chemicals Inventory
PICCS	Philippines Inventory of Chemicals and Chemical Substances
AIIC	Australian Inventory of Chemical Substances
NZIoC	New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report	No information available

Section 16: OTHER INFORMATION

16.1. Key or legend to abbreviations and acronyms used in the safety data sheet

Full text of H-Statements referred to under section 3

H304	Harmful if swallowed
H315	Causes skin irritation
H319	Causes serious eye irritation
H331	Toxic if inhaled

Legend

SVHC: Substances of Very High Concern for Authorisation:

Legend Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

TWA	TWA (time-weighted average)	STEL (Short Term Exposure Limit)	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	Skin designation	Skin designation
+	Sensitisers		

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	On basis of test data
Acute inhalation toxicity - vapour	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitisation	Calculation method
Skin sensitisation	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)

U.S. Environmental Protection Agency ChemView Database

European Food Safety Authority (EFSA)

European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)

European Chemicals Agency (ECHA) (ECHA_API)

EPA (Environmental Protection Agency)

Acute Exposure Guideline Level(s) (AEGL(s))

U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act

U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal

Hazardous Substance Database

International Uniform Chemical Information Database (IUCLID)

National Institute of Technology and Evaluation (NITE)

Australian National Industrial Chemicals Notification and Assessment Scheme (NICNAS)

NIOSH (National Institute for Occupational Safety and Health)

National Library of Medicine's ChemID Plus (NLM CIP)

National Library of Medicine's PubMed database (NLM PUBMED)

U.S. National Toxicology Program (NTP)

New Zealand's Chemical Classification and Information Database (CCID)

Organisation for Economic Co-operation and Development Environment, Health, and Safety Publications

Organisation for Economic Co-operation and Development High Production Volume Chemicals Programme

Organisation for Economic Co-operation and Development Screening Information Data Set

World Health Organization

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Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)

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