

## SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006  
(amended by Regulation (EU) 2015/830)

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### Primus Leak Spray 888888

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

##### **1.1. Product identifier**

<b>Product name</b>	Primus Leak Spray 888888
<b>Product code</b>	888888

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

<b>Use of the Substance/Mixture</b>	Leak detection spray.
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##### **1.3. Details of the supplier of the safety data sheet**

<b>Company/Undertaking Identification</b>	Primus AB Box 6041 SE-171 06 SOLNA, Schweden <a href="http://www.primus.se">www.primus.se</a> Telefon +46-8-564 842 30 Telefax +46-8-564 842 40 <a href="mailto:info@primus.se">info@primus.se</a>
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<b>1.4. Emergency telephone number</b>	See above or next toxicological information centre
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<b>Issuing date</b>	28.07.2020
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<b>Version</b>	GHS 3 (Previous versions: GHS 2)
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## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

**Classification according to Regulation (EC) No. 1272/2008**      Aerosols, Cat. 3, H229

In accordance with Regulation (EC) No. 1272/2008 (CLP), the product does not need to be classified nor labelled.

**Additional information**      For the full text of the phrases mentioned in this Section, see Section 16.

### 2.2. Label elements

**Signal Word**      Warning

**Hazard Statements**      H229: Pressurised container: May burst if heated.

**Precautionary statements**      P102: Keep out of reach of children.  
P210b: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P251: Do not pierce or burn, even after use.  
P410+P412: Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Supplemental information**      None.

**Product identifier**      None.

**2.3. Other hazards**      None known.

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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

aerosol.

Components		CLP Classification	Product identifier
Dimethyl ether	5% - 10%	Flam. Gas 1 H220, Press. Gas H280	CAS-No.: 115-10-6 EC-No.: 204-065-8 Index-No: 603-019-00-8 REACH No.: 01-2119472128-xxxx
Sulfuric acid, mono-C12-14-alkyl esters, compounds with triethanolamine	2,5% - 5%	Skin Irrit. 2 H315, Eye Irrit. 2 H319	CAS-No.: 90583-18-9 EC-No.: 292-216-9

For the full text of the phrases mentioned in this Section, see Section 16.

**Hazardous impurities**      None known.

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## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

<b>Inhalation</b>	Move to fresh air. Oxygen or artificial respiration if needed. Consult a physician after significant exposure.
<b>Skin contact</b>	Wash with water and soap as a precaution. If skin irritation persists, call a physician.
<b>Eye contact</b>	Rinse thoroughly with plenty of water, also under the eyelids. Call a physician immediately.
<b>Ingestion</b>	Consult a physician if necessary. Rinse mouth. Drink 1 or 2 glasses of water. Do not induce vomiting. Call a physician immediately.

**4.2. Most important symptoms and effects, both acute and delayed** May have irritant effect: on eyes, on skin, on air passages.

**4.3. Indication of any immediate medical attention and special treatment needed** None known.

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## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

**Suitable extinguishing media** Use dry chemical, CO<sub>2</sub>, water spray or alcohol foam.

**Extinguishing media which must not be used for safety reasons** High volume water jet.

**5.2. Special hazards arising from the substance or mixture** The product itself does not burn. Solvents may produce excessive pressure under fire-conditions. Sealed containers may rupture and ignite. Cool containers / tanks with water spray.

### **5.3. Advice for firefighters**

**Special protective equipment for firefighters** Standard procedure for chemical fires. Wear self contained breathing apparatus for fire fighting if necessary. Wear protective suit.

**Specific methods** Keep containers and surroundings cool with water spray.

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## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

<b>Advice for non-emergency personnel</b>	Immediately evacuate personnel to safe areas.
<b>Advice for emergency responders</b>	Keep people away from and upwind of spill/leak. Ventilate the area.

**6.2. Environmental precautions** Do not flush into surface water or sanitary sewer system.

**6.3. Methods and material for containment and cleaning up** The product evaporates readily.

**6.4. Reference to other sections** See chapter 8 and 13.

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## **SECTION 7: Handling and storage**

<b>7.1. Precautions for safe handling</b>	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Keep containers tightly closed in a dry, cool and well-ventilated place.
<b>7.3. Specific end use(s)</b>	No information available.

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## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

<b>Exposure limit(s)</b>	No data is available on the product itself.
<b>Dimethyl ether (CAS 115-10-6)</b>	
Norway - Occupational Exposure Limits - TWAs	200 ppm TWA 384 mg/m <sup>3</sup> TWA
Norway - Occupational Exposure Limits - STELs	250 ppm STEL (value calculated) 480 mg/m <sup>3</sup> STEL (value calculated)
Switzerland - Occupational Exposure Limits - TWAs - (MAKs)	1000 ppm TWA [MAK] 1910 mg/m <sup>3</sup> TWA [MAK]
United Kingdom - Workplace Exposure Limits (WELs) - STELs	500 ppm STEL 958 mg/m <sup>3</sup> STEL
United Kingdom - Workplace Exposure Limits (WELs) - TWAs	400 ppm TWA 766 mg/m <sup>3</sup> TWA
Italy - Occupational Exposure Limits - TWAs	1000 ppm TWA Media Ponderata nel Tempo 1920 mg/m <sup>3</sup> TWA Media Ponderata nel Tempo
EU - Occupational Exposure (2000/39/EC) - First List of Indicative Occupational Exposure	1000 ppm TWA 1920 mg/m <sup>3</sup> TWA

# Limit Values - TWAs

Austria - Occupational Exposure Limits - STELs - (MAK-KZWs)	2000 ppm STEL [KZW] (3 X 60 min)
Austria - Occupational Exposure Limits - TWAs - (MAK-TMWs)	3820 mg/m <sup>3</sup> STEL [KZW] (3 X 60 min)
Belgium - Occupational Exposure Limits - TWAs	1000 ppm TWA [TMW]
Bulgaria - Occupational Exposure Limits - TWAs	1910 mg/m <sup>3</sup> TWA [TMW]
Croatia - Occupational Exposure Limits - TWAs (GVIs)	1000 ppm TWA
Czech Republic - Occupational Exposure Limits - TWAs	1920 mg/m <sup>3</sup> TWA
Czech Republic - Occupational Exposure Limits - Ceilings	1000 ppm TWA
Denmark - Occupational Exposure Limits - TWAs	1920 mg/m <sup>3</sup> TWA
Estonia - Occupational Exposure Limits - TWAs	1000 ppm TWA
Finland - Occupational Exposure Limits - TWAs	1920 mg/m <sup>3</sup> TWA
France - Occupational Exposure Limits - TWAs (VME)	1000 ppm TWA
Germany - DFG - Recommended Exposure Limits - TWAs (MAKs)	2000 mg/m <sup>3</sup> TWA
Germany - DFG - Recommended Exposure Limits - Ceilings (Peak Limitations)	1000 ppm TWA [VME] (indicative limit)
Germany - DFG - Recommended Exposure Limits - Pregnancy	1920 mg/m <sup>3</sup> TWA [VME] (indicative limit)
Germany - TRGS 900 - Occupational Exposure Limits - TWAs (AGWs)	1000 ppm TWA MAK
Greece - Occupational Exposure Limits - TWAs	1900 mg/m <sup>3</sup> TWA MAK
Hungary - Occupational Exposure Limits - TWAs (AKs)	8000 ppm Peak
Ireland - Occupational Exposure Limits - TWAs	15200 mg/m <sup>3</sup> Peak
Ireland - Occupational Exposure Limits - STELs	classification not yet possible
Latvia - Occupational Exposure Limits - TWAs	1000 ppm TWA AGW (exposure factor 8)
Luxembourg - Occupational Exposure Limits - TWAs	1900 mg/m <sup>3</sup> TWA AGW (exposure factor 8)
Netherlands - Occupational Exposure Limits - STELs	1000 ppm TWA
Netherlands - Occupational Exposure Limits - TWAs	1920 mg/m <sup>3</sup> TWA
Poland - Occupational Exposure Limits - TWAs (NDSs)	1920 mg/m <sup>3</sup> TWA [AK]
Portugal - Occupational Exposure Limits - TWAs (VLE-MPs)	1000 ppm TWA
Romania - Occupational Exposure Limits - TWAs	1920 mg/m <sup>3</sup> TWA
Slovak Republic - Occupational Exposure Limits - TWAs	3000 ppm STEL (calculated)
Slovenia - Occupational Exposure Limits - TWAs	5760 mg/m <sup>3</sup> STEL (calculated)
	1000 ppm TWA ([199])
	1920 mg/m <sup>3</sup> TWA ([199])
	1000 ppm TWA
	1920 mg/m <sup>3</sup> TWA
	1500 mg/m <sup>3</sup> STEL
	950 mg/m <sup>3</sup> TWA
	1000 mg/m <sup>3</sup> TWA [NDS]
	1000 ppm TWA [VLE-MP] (indicative limit value)
	1920 mg/m <sup>3</sup> TWA [VLE-MP] (indicative limit value)
	1000 ppm TWA
	1920 mg/m <sup>3</sup> TWA
	1000 ppm TWA
	1920 mg/m <sup>3</sup> TWA
	15360 mg/m <sup>3</sup> STEL

Limits - STELs	8000 ppm STEL
Slovenia - Occupational Exposure	1000 ppm TWA
Limits - TWAs	1920 mg/m <sup>3</sup> TWA
Spain - Occupational Exposure	1000 ppm TWA [VLA-ED] (indicative limit value)
Limits - TWAs (VLA-EDs)	1920 mg/m <sup>3</sup> TWA [VLA-ED] (indicative limit value)
Sweden - Occupational Exposure	500 ppm TLV NGV
Limits - TLVs	950 mg/m <sup>3</sup> TLV NGV
Sweden - Occupational Exposure	800 ppm Indicative STEL Vägledande KGV
Limits - STELs	1500 mg/m <sup>3</sup> Indicative STEL Vägledande KGV

## 8.2. Exposure controls

**Appropriate engineering controls** Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes and clothing.

### Personal protection equipment

*Respiratory protection* In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Respirator with AX filter.

*Hand protection* Gloves made of latex. The selected protective gloves have to satisfy the specifications of Regulation (EU) No. 2016/425 and the standard EN 374 derived from it. Be aware that in daily use the durability of a chemical resistant protective glove can be notably shorter than the break through time measured according to EN 374, due to the numerous outside influences (e.g. temperature).

*Eye protection* Avoid contact with eyes.

*Skin and body protection* In case of full contact: Long sleeved clothing.

*Thermal hazards* Container may rupture on heating.

**Environmental exposure controls** No special measures required.

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## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

<b>Appearance</b>	Aerosol.
<b>Colour</b>	Colourless.
<b>Odour</b>	Characteristic.
<b>Odour Threshold</b>	Not determined.
<b>pH:</b>	not applicable
<b>Melting point/range:</b>	Not determined.
<b>Boiling point/range:</b>	Not determined.
<b>Flash point:</b>	does not flash
<b>Evaporation Rate:</b>	Not determined.
<b>Flammability:</b>	Not determined.
<b>Explosion limits:</b>	Not determined.
<b>Vapour pressure:</b>	Not determined.
<b>Vapor density:</b>	Not determined.
<b>Relative density:</b>	Not determined.

<b>Water solubility:</b>	Not determined.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Autoignition temperature:</b>	Not determined.
<b>Decomposition temperature:</b>	Not determined.
<b>Viscosity:</b>	Not determined.
<b>Explosive properties:</b>	not hazardous
<b>Oxidising properties:</b>	None

## 9.2. Other information

<b>General Product Characteristics</b>	No information available.
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## SECTION 10: Stability and reactivity

<b>10.1. Reactivity</b>	Risk of receptacle bursting.
<b>10.2. Chemical stability</b>	No decomposition if used as directed.
<b>10.3. Possibility of hazardous reactions</b>	No hazards to be specially mentioned.
<b>10.4. Conditions to avoid</b>	Keep away from heat and flame. Do not expose to temperatures above 50 °C.
<b>10.5. Incompatible materials</b>	Incompatible with bases.
<b>10.6. Hazardous decomposition products</b>	None under normal use.

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## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

<b>Acute toxicity</b>	No data is available on the product itself. <b>Dimethyl ether (CAS 115-10-6)</b> Inhalation LC50 Rat = 164000 ppm 4 h(EPA_HP) <b>Sulfuric acid, mono-C12-14-alkyl esters, compounds with triethanolamine (CAS 90583-18-9)</b> Oral LD50 Rat = 2810 mg/kg (IUCLID)
<b>Skin corrosion/irritation</b>	May cause irritation of the mucous membranes.
<b>Serious eye damage/eye irritation</b>	Contact with eyes may cause irritation.
<b>Respiratory / Skin Sensitisation</b>	Sulfuric acid, mono-C12-14-alkyl esters, compounds with triethanolamine (CAS 90583-18-9): Did not cause sensitization on laboratory animals.
<b>Carcinogenicity</b>	Contains no ingredient listed as a carcinogen.

<b>Germ cell mutagenicity</b>	Contains no ingredient listed as a mutagen.
<b>Reproductive toxicity</b>	Contains no ingredient listed as toxic to reproduction.
<b>Specific target organ toxicity (single exposure)</b>	No data available.
<b>Specific target organ toxicity (repeated exposure)</b>	No data available.
<b>Aspiration hazard</b>	No aspiration toxicity classification.
<b>Human experience</b>	No data is available on the product itself. Excessive exposures may affect human health, as follows: Cough.. Inhalation of aerosols may cause irritation to mucous membranes.
<b>Information on likely routes of exposure</b>	inhalativ
<b>Symptoms related to the physical, chemical and toxicological characteristics</b>	Irritant effect: on eyes, on skin, on air passages. Causes headache, drowsiness or other effects to the central nervous system. Vomiting. Diarrhoea.

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## **SECTION 12: Ecological information**

<b>12.1. Toxicity</b>	No data is available on the product itself.
<b>Dimethyl ether (CAS 115-10-6)</b> Ecotoxicity - Freshwater Fish - Acute Toxicity Data	LC50 96 h Poecilia reticulata >4.1 g/L [semi-static] (ECHA)
<b>12.2. Persistence and degradability</b>	Expected to be biodegradable.
<b>12.3. Bioaccumulative potential</b>	Bioaccumulation is unlikely.
<b>12.4. Mobility in soil</b>	The product evaporates readily. Not expected to adsorb on soil.
<b>12.5. Results of PBT and vPvB assessment</b>	This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).
<b>12.6. Other adverse effects</b>	No information available.



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## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

**Waste from residues / unused products**

Do not put residues of product into household waste. It should be given in the original package to the official waste disposal authorities. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C. European Waste catalogue code (EWC-code): 14 06 03.

**Contaminated packaging**

Dispose of as unused product.

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## **SECTION 14: Transport information**

**ADR/RID**

UN 1950.  
Proper shipping name: AEROSOLS, asphyxiant.  
Class 2.  
ADR/RID-Labels 2.2.  
Classification code 5A.  
Limited quantity 1 L.  
Excepted quantity E0.  
Transport category 3.  
Tunnel restriction code (E).

**IMDG**

UN 1950.  
Proper shipping name: AEROSOLS, asphyxiant.  
Class 2.  
IMDG-Labels 2.2.  
Limited quantity 1 L.  
Excepted quantity E0.  
EmS F-D, S-U.  
Marine pollutant: Marine pollutant: No..

**IATA**

UN 1950.  
Proper shipping name: Aerosols, non-flammable.  
Class 2.  
IATA label 2.2.  
Packing instruction (passenger aircraft): 203 (75 kg).  
Packing instruction (LQ): Y203 (30 kg G).  
Packing instruction (cargo aircraft): 203 (150 kg).

**Inland navigation ADN**

UN 1950.  
Proper shipping name: AEROSOLS, asphyxiant.  
Class 2.  
ADN labels 2.2.  
Classification code 5A.  
Limited quantity 1 L.  
Excepted quantity E0.

**Further Information**

None.

## SECTION 15: Regulatory information

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

<b>Regulatory Information</b>	The product is classified and labelled according to Regulation (EC) No. 1272/2008. Water contaminating class (WGK Germany) = nwg. Storage class 2. (CH) VOC (CH) = 100%
<b>Dimethyl ether (CAS 115-10-6)</b>	
Switzerland - Volatile Organic Compounds (VOCs) - Group I	2909.1999
Switzerland - Air Pollution Control - Organic Substances - Gases, Vapors or Particulates	Category Class 3
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 714, hazard class 1 - slightly hazardous to water
UN (United Nations) - Selected Volatile Substances Prone to Abuse	Present
<b>Sulfuric acid, mono-C12-14-alkyl esters, compounds with triethanolamine (CAS 90583-18-9)</b>	
EU - REACH (1907/2006) - List of Registered Substances	Present
Germany - Water Classification - Substances According to AwSV Classified By or Based on the VwVwS	Reg. no. 8791, hazard class 2 - obviously hazardous to water
<b>15.2. Chemical safety assessment</b>	A Chemical Safety Assessment has been carried out for this substance.

## SECTION 16: Other information

<b>Revision Note</b>	This data sheet contains changes from the previous version in section(s): 1-16.
<b>Key or legend to abbreviations and acronyms</b>	CLP: Classification according to Regulation (EC) No. 1272/2008 (GHS)
<b>Key literature references and sources for data</b>	According to information supplied by the manufacturer.
<b>Classification procedure</b>	Calculation method.
<b>Full text of phrases referred to under sections 2 and 3</b>	H220: Extremely flammable gas. H229: Pressurised container: May burst if heated. H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation. H319: Causes serious eye irritation.

**Training advice**

Provide adequate information, instruction and training for operators.

**Instructions for use**

Always shake this bottle before use. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50 °C.

**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.