

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.11.2025

Version number 4 (replaces version 3)

Revision: 01.10.2025

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

- **1.1 Product identifier**
- **Trade name:** IBS-PTFE-Spray
- **Article number:** 2050250
- **UFI:** 9U20-V0J4-2003-NW2R
- **1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.
- **Application of the substance / the mixture** Lubricant
- **Uses advised against** No further relevant information available.
- **1.3 Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
IBS Scherer GmbH  
Gewerbegebiet  
D-55599 Gau-Bickelheim  
[www.ibs-scherer.de](http://www.ibs-scherer.de)  
Tel.: +49 6701 9383-0  
email: [info@ibs-scherer.de](mailto:info@ibs-scherer.de)
- **Further information obtainable from:**  
Tel.: +49 (0) 6701 / 93 83 - 0  
Fax: +49 (0) 6701 / 93 83 - 33  
[info@ibs-scherer.de](mailto:info@ibs-scherer.de)
- **1.4 Emergency telephone number:**  
Giftnotruf Mainz Tel.: +49 (0) 6131 /19 24 0 (24 h erreichbar, Beratung in Deutsch u. Englisch)

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**



GHS02 flame

Aerosol 1 H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.

- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**



GHS02

- **Signal word** Danger
- **Hazard statements**  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
- **Precautionary statements**  
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

- **Additional information:**  
Buildup of explosive mixtures possible without sufficient ventilation.
- **2.3 Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:**

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

- **vPvB:** Not applicable.

- **Determination of endocrine-disrupting properties** No substances contained

### SECTION 3: Composition/information on ingredients

- **Description:** Mixture of substances listed below with nonhazardous additions.

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<b>Dangerous components:</b>		
CAS: 106-97-8 EINECS: 203-448-7 Index number: 601-004-00-0 Reg.nr.: 01-2119474691-32-xxxx	butane, pure Flam. Gas 1A, H220; Press. Gas (Comp.), H280	25-50%
CAS: 74-98-6 EINECS: 200-827-9 Index number: 601-003-00-5 Reg.nr.: 01-2119486944-21-xxxx	propane Flam. Gas 1A, H220; Press. Gas (Comp.), H280	10-25%
CAS: 9002-84-0	Polytetrafluoroethylene substance with a Community workplace exposure limit	0-≤2,5%
CAS: 68411-46-1 EINECS: 270-128-1 Reg.nr.: 01-2119491299-23	Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten Repr. 2, H361f	≤2,5%
CAS: 192268-65-8 ELINCS: 421-820-9 Index number: 607-501-00-9 Reg.nr.: 01-2119480426-35-xxxx	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives Repr. 2, H361d; Aquatic Chronic 4, H413 PBT	≤2,5%
· SVHC		
192268-65-8	reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives	

## SECTION 4: First aid measures

- 4.1 Description of first aid measures
- General information: Immediately remove any clothing soiled by the product.
- After inhalation: Supply fresh air.
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact: Rinse opened eye for several minutes under running water.
- 4.2 Most important symptoms and effects, both acute and delayed No further relevant information available.
- 4.3 Indication of any immediate medical attention and special treatment needed No further relevant information available.

## SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents: CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture Can form explosive gas-air mixtures.
- 5.3 Advice for firefighters
- Protective equipment: Wear self-contained respiratory protective device.

## SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
 

Keep away from ignition sources.  
Ensure adequate ventilation
- 6.2 Environmental precautions:
 

No special measures required.  
Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation.
- 6.4 Reference to other sections
 

See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

## SECTION 7: Handling and storage

- 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
 

Keep ignition sources away - Do not smoke.  
Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.  
Do not spray onto a naked flame or any incandescent material.
- 7.2 Conditions for safe storage, including any incompatibilities
 

Storage:  
Requirements to be met by storerooms and receptacles:  
Observe official regulations on storing packagings with pressurised containers.  
Information about storage in one common storage facility: Not required.

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· **Further information about storage conditions:**

Protect from heat and direct sunlight.

Protect from frost.

· **Storage class:** 2 B

· **7.3 Specific end use(s)** No further relevant information available.

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

· **8.1 Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

**106-97-8 butane, pure**

AGW (Germany)	Long-term value: 2400 mg/m <sup>3</sup> , 1000 ppm 4(II);DFG
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**74-98-6 propane**

AGW (Germany)	Long-term value: 1800 mg/m <sup>3</sup> , 1000 ppm 4(II);DFG
---------------	-----------------------------------------------------------------

**9002-84-0 Polytetrafluoroethylene**

MAK (Germany)	Long-term value: 0,3 A* 4E** mg/m <sup>3</sup> Abschn. Vf+Xc; *alveolengängig, **einatembar
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**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

MAK (Germany)	vgl. Abschn. IIb und Xc
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· **DNELs**

**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

Dermal	DNEL - systemisch chronisch	0,44 mg/kg (not defined)
Inhalative	DNEL - systemisch chronisch	0,31 mg/m <sup>3</sup> (not defined)

**192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives**

Dermal	DNEL - systemisch chronisch	0,5 mg/kg (not defined)
Inhalative	DNEL - systemisch chronisch	1,76 mg/m <sup>3</sup> (not defined)

· **PNECs**

**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

PNEC Süßwasser	0,034 mg/l (not defined)
PNEC Meerwasser	0,003 mg/l (not defined)
PNEC Kläranlage	10 mg/l (not defined)
PNEC Süßwassersediment	0,446 mg/kg (not defined)
PNEC Meeressediment	0,045 mg/kg (not defined)
PNEC Boden	17,6 mg/kg (not defined)

**192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives**

PNEC Kläranlage	32 mg/l (not defined)
PNEC Süßwassersediment	2.250 mg/kg (not defined)
PNEC Meeressediment	225 mg/kg (not defined)
PNEC Boden	9,47 mg/kg (not defined)

· **Additional information:** The lists valid during the making were used as basis.

· **8.2 Exposure controls**

· **Appropriate engineering controls** No further data; see section 7.

· **Individual protection measures, such as personal protective equipment**

· **General protective and hygienic measures:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not necessary if room is well-ventilated.

· **Hand protection**



Protective gloves

· **Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Nitrile rubber, NBR

Recommended thickness of the material: ≥ 0,35 mm

· **Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- Eye/face protection



Tightly sealed goggles

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## SECTION 9: Physical and chemical properties

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

· General Information	
· Physical state	Aerosol
· Colour:	Colourless
· Odour:	Characteristic
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Not applicable, as aerosol.
· Flammability	Not applicable.
· Lower and upper explosion limit	
· Lower:	5 Vol %
· Upper:	15 Vol %
· Flash point:	-88,6 °C (74-98-6 propane)
· Decomposition temperature:	Not determined.
· pH	Not determined.
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Not determined.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	4.200 hPa
· Density and/or relative density	
· Density at 20 °C:	0,68-0,69 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.

### · 9.2 Other information

· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety:	
· Ignition temperature:	Not determined.
· Explosive properties:	Not determined.
· Solvent content:	
· Organic solvents:	60,0 %
· VOC (EC)	415,5 g/l
· Solids content:	1,0 %
· Change in condition	
· Evaporation rate	Not applicable.

### · Information with regard to physical hazard classes

· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

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## SECTION 10: Stability and reactivity

- 10.1 **Reactivity** No further relevant information available.
- 10.2 **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used and stored according to specifications.
- 10.3 **Possibility of hazardous reactions** No dangerous reactions known.
- 10.4 **Conditions to avoid** No further relevant information available.
- 10.5 **Incompatible materials:** No further relevant information available.
- 10.6 **Hazardous decomposition products:** No dangerous decomposition products known.

## SECTION 11: Toxicological information

- 11.1 **Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

Oral	LD50	>5.000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)

**192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives**

Oral	LD50	>2.000 mg/kg (rat) (EU B.1)
Dermal	LD50	>2.000 mg/kg (rat) (OECD 402)

- **Primary irritant effect:**

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation** Based on available data, the classification criteria are not met.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** Based on available data, the classification criteria are not met.
- **STOT-single exposure** Based on available data, the classification criteria are not met.
- **STOT-repeated exposure** Based on available data, the classification criteria are not met.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

- 11.2 **Information on other hazards**
- **Endocrine disrupting properties**

None of the ingredients is listed.

## SECTION 12: Ecological information

- 12.1 **Toxicity**

- **Aquatic toxicity:**

**68411-46-1 Benzolamin, N-Phenyl-, Reaktionsprodukte mit 2,4,4-Trimethylpenten**

biologische Abbaubarkeit	0 % /28d (not defined) (OECD 301 B)
EC50	>100 mg/l /72h (algae) (OECD 201)
EC50/48 h	51 mg/l (daphnia) (OECD 202)
LC50/96 h	>100 mg/l (fish) (OECD 203)

**192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives**

biologische Abbaubarkeit	0 % /28d (not defined) (OECD 301 D)
EC50	>100 mg/l /72h (algae) (OECD 201)
NOEC	>100 mg/l /72h (Alg) (OECD 201)
EC50/48 h	>100 mg/l (daphnia) (OECD 202)
LC50/96 h	>100 mg/l (fish) (EU C.1)
NOELR	≥5,5 mg/l (daphnia) (OECD 211)

- 12.2 **Persistence and degradability** No further relevant information available.

- 12.3 **Bioaccumulative potential** No further relevant information available.

- 12.4 **Mobility in soil** No further relevant information available.

- 12.5 **Results of PBT and vPvB assessment**

- **PBT:**

**192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives**

- **vPvB:** Not applicable.

- 12.6 **Endocrine disrupting properties** The product does not contain substances with endocrine disrupting properties.

- 12.7 **Other adverse effects**

- **Additional ecological information:**

- **General notes:**

Do not allow product to reach ground water, water course or sewage system.

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water

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Danger to drinking water if even small quantities leak into the ground.

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### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**

16 05 04*	gases in pressure containers (including halons) containing hazardous substances
15 01 04	metallic packaging

- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· <b>14.1 UN number or ID number</b>	UN1950
· <b>ADR, IMDG, IATA</b>	
· <b>14.2 UN proper shipping name</b>	1950 AEROSOLS
· <b>ADR</b>	AEROSOLS
· <b>IMDG</b>	AEROSOLS, flammable
· <b>IATA</b>	
· <b>14.3 Transport hazard class(es)</b>	
· <b>ADR</b>	
	
· <b>Class</b>	2 5F Gases.
· <b>Label</b>	2.1
· <b>IMDG, IATA</b>	
	
· <b>Class</b>	2.1 Gases.
· <b>Label</b>	2.1
· <b>14.4 Packing group</b>	
· <b>ADR, IMDG, IATA</b>	Void
· <b>14.5 Environmental hazards:</b>	Not applicable.
· <b>14.6 Special precautions for user</b>	Warning: Gases.
· <b>Hazard identification number (Kemler code):</b>	-
· <b>EMS Number:</b>	F-D,S-U
· <b>Stowage Code</b>	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters. SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· <b>Segregation Code</b>	
· <b>14.7 Maritime transport in bulk according to IMO instruments</b>	Not applicable.
· <b>Transport/Additional information:</b>	
· <b>ADR</b>	
· <b>Limited quantities (LQ)</b>	1L
· <b>Excepted quantities (EQ)</b>	Code: E0 Not permitted as Excepted Quantity
· <b>Transport category</b>	2
· <b>Tunnel restriction code</b>	D

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· <b>IMDG</b>	1L
· <b>Limited quantities (LQ)</b>	Code: E0
· <b>Excepted quantities (EQ)</b>	Not permitted as Excepted Quantity
· <b>UN "Model Regulation":</b>	UN 1950 AEROSOLS, 2.1

## SECTION 15: Regulatory information

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

· Directive 2012/18/EU

· Named dangerous substances - ANNEX I None of the ingredients is listed.

· Seveso category P3a FLAMMABLE AEROSOLS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· REGULATION (EU) 2019/1021 on persistent organic pollutants (POP)

None of the ingredients is listed.

· LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)

None of the ingredients is listed.

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3

· DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II

None of the ingredients is listed.

· REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	50-100

· Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

· Other regulations, limitations and prohibitive regulations

· Substances of very high concern (SVHC) according to REACH, Article 57

192268-65-8 reaction mass of: triphenylthiophosphate and tertiary butylated phenyl derivatives

· 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· Relevant phrases

H220 Extremely flammable gas.

H280 Contains gas under pressure; may explode if heated.

H361d Suspected of damaging the unborn child.

H361f Suspected of damaging fertility.

H413 May cause long lasting harmful effects to aquatic life.

· Date of previous version: 29.04.2025

· Version number of previous version: 3

· Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VOC: Volatile Organic Compounds (USA, EU)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

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*LC50: Lethal concentration, 50 percent**LD50: Lethal dose, 50 percent**PBT: Persistent, Bioaccumulative and Toxic**SVHC: Substances of Very High Concern**vPvB: very Persistent and very Bioaccumulative**Flam. Gas 1A: Flammable gases – Category 1A**Aerosol 1: Aerosols – Category 1**Press. Gas (Comp.): Gases under pressure – Compressed gas**Repr. 2: Reproductive toxicity – Category 2**Repr. 2: Reproductive toxicity – Category 2**Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4**\* Data compared to the previous version altered.*

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