

1.1

## Safety Data Sheet

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

## Triphenyl phosphorothionate

Version number: GHS 2.0 Revision: 2022-02-10 Replaces version of: 2019-05-29 (GHS 1) SECTION 1: Identification of the substance/mixture and of the company/undertaking **Product identifier** Identification of the substance **Triphenyl phosphorothionate** Registration number (REACH) this information is not available CAS number 597-82-0 Article number A0093493

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

Relevant identified uses

General use

#### 1.3 Details of the supplier of the safety data sheet

Chemos GmbH & Co. KG Sonnenring 7 84032 Altdorf Germany

Telephone: +49 871-966346-0 Telefax: +49 871-966346-13 e-mail: chemos@chemos.de Website: http://www.chemos.de/

e-mail (competent person)

#### 1.4 **Emergency telephone number**

**Emergency information service** 

+49 89 1 92 40

chemos@chemos.de

Poison centre				
Country	Name	Postal code/ city	Telephone	Telefax
United Kingdom	National Poison Information Centre Medical Toxicology Unit	SE14 5ER Lon- don	+44 171 635 91 91	

### **SECTION 2: Hazards identification**

#### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 (CLP)

Section	Hazard class	Category	Hazard class and cat- egory	Hazard state- ment
4.1A	hazardous to the aquatic environment - acute hazard	1	Aquatic Acute 1	H400
4.1C	hazardous to the aquatic environment - chronic hazard	1	Aquatic Chronic 1	H410

For full text of abbreviations: see SECTION 16.

The most important adverse physicochemical, human health and environmental effects Spillage and fire water can cause pollution of watercourses.

#### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 (CLP)

- Signal word warning



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

## Triphenyl phosphorothionate

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1) Revision: 2022-02-10

### - Pictograms

GHS09

- Hazard statements H410

Very toxic to aquatic life with long lasting effects.

#### - Precautionary statements

	,	
P273		Avoid release to the environment.
P391		Collect spillage.
P501		Dispose of contents/container to industrial combustion plant.

### 2.3 Other hazards

Results of PBT and vPvB assessment According to the results of its assessment, this substance is not a PBT or a vPvB.

### SECTION 3: Composition/information on ingredients

### 3.1 Substances

Name of substance	Triphenyl phosphorothionate			
Identifiers				
CAS No	597-82-0			
Molecular formula	C18H15O3PS			
Molar mass	342.3 <sup>g</sup> / <sub>mol</sub>			

### SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General notes

Do not leave affected person unattended. Remove victim out of the danger area. Keep affected person warm, still and covered. Take off immediately all contaminated clothing. In all cases of doubt, or when symptoms persist, seek medical advice. In case of unconsciousness place person in the recovery position. Never give anything by mouth.

#### Following inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. Provide fresh air.

#### Following skin contact

Brush off loose particles from skin. Rinse skin with water/shower.

#### Following eye contact

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

#### Following ingestion

Rinse mouth with water (only if the person is conscious). Do NOT induce vomiting.

- **4.2** Most important symptoms and effects, both acute and delayed Symptoms and effects are not known to date.
- 4.3 Indication of any immediate medical attention and special treatment needed

none



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

### **SECTION 5: Firefighting measures**

### 5.1 Extinguishing media

Suitable extinguishing media Water, Foam, ABC-powder

Unsuitable extinguishing media Water jet

### 5.2 Special hazards arising from the substance or mixture

Deposited combustible dust has considerable explosion potential.

Hazardous combustion products

Carbon monoxide (CO), Carbon dioxide (CO2), Phosphorus oxides (PxOy), Sulphur oxides (SOx)

### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

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

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

For non-emergency personnel

Remove persons to safety.

For emergency responders

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

### 6.2 Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

#### 6.3 Methods and material for containment and cleaning up

Advice on how to contain a spill

Covering of drains, Take up mechanically

Advice on how to clean up a spill

Take up mechanically.

Other information relating to spills and releases

Place in appropriate containers for disposal. Ventilate affected area.

#### 6.4 Reference to other sections

Hazardous combustion products: see section 5. Personal protective equipment: see section 8. Incompatible materials: see section 10. Disposal considerations: see section 13.



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

## SECTION 7: Handling and storage

### 7.1 Precautions for safe handling

#### Recommendations

### - Measures to prevent fire as well as aerosol and dust generation

Use local and general ventilation. Take precautionary measures against static discharge. Use only in well-ventilated areas. Ground/bond container and receiving equipment.

#### - Specific notes/details

Dust deposits may accumulate on all deposition surfaces in a technical room. The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

#### Advice on general occupational hygiene

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

### 7.2 Conditions for safe storage, including any incompatibilities

#### Managing of associated risks

#### - Explosive atmospheres

Removal of dust deposits.

- Ventilation requirements

Use local and general ventilation.

#### - Packaging compatibilities

Only packagings which are approved (e.g. acc. to ADR) may be used.

### 7.3 Specific end use(s)

See section 16 for a general overview.

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

### 8.1 Control parameters

Occupational exposure limit values (Workplace Exposure Limits)											
Coun- try	Name of agent	CAS No	Identi- fier	TWA [ppm]	TWA [mg/m³]	STEL [ppm]	STEL [mg/m³]	Ceiling-C [ppm]	Ceiling-C [mg/m³]	Nota- tion	Source
GB	dust		WEL		10					i	EH40/ 2005
GB	dust		WEL		4					r	EH40/ 2005

Notation

 Ceiling-C
 ceiling value is a limit value above which exposure should not occur

 i
 inhalable fraction

 r
 respirable fraction

 STEL
 short-term exposure limit: a limit value above which exposure should not occur and which is related to a 15-minute period (unless otherwise specified)

 TWA
 time-weighted average (long-term exposure limit): measured or calculated in relation to a reference period of 8 hours time-weighted average (unless otherwise specified)

### 8.2 Exposure controls

Appropriate engineering controls

General ventilation.



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

## Triphenyl phosphorothionate

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1) Revision: 2022-02-10

Individual protection measures (personal protective equipment)

Eye/face protection

Wear eye/face protection.

Skin protection

- Hand protection

Wear protective gloves.

- Other protection measures

Take recovery periods for skin regeneration. Preventive skin protection (barrier creams/ointments) is recommended. Wash hands thoroughly after handling.

Respiratory protection

Particulate filter device (EN 143).

Environmental exposure controls

Use appropriate container to avoid environmental contamination. Keep away from drains, surface and ground water.

### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

-
solid
not determined
odourless
not determined
432.1 °C at 760 mmHg
this material is combustible, but will not ignite readily
not determined
215.1 °C
not determined
not relevant
not applicable
not relevant
not determined

### Partition coefficient

Partition coefficient n-octanol/water (log value)

this information is not available



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Vapour pressure	not determined
vapour pressure	not determined

### Density and/or relative density

Density	1.288 <sup>g</sup> / <sub>cm<sup>3</sup></sub>
Relative vapour density	information on this property is not available

	Particle characteristics	no data available			
9.2	Other information				
	Information with regard to physical hazard classes	hazard classes acc. to GHS (physical hazards): not relevant			
	Other safety characteristics				
	Solid content	100 %			

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

Concerning incompatibility: see below "Conditions to avoid" and "Incompatible materials".

#### **10.2** Chemical stability

See below "Conditions to avoid".

### **10.3** Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4 Conditions to avoid

There are no specific conditions known which have to be avoided.

Hints to prevent fire or explosion

The product in the delivered form is not dust explosion capable; the enrichment of fine dust however leads to the danger of dust explosion.

### **10.5** Incompatible materials

Oxidisers

### 10.6 Hazardous decomposition products

Reasonably anticipated hazardous decomposition products produced as a result of use, storage, spill and heating are not known. Hazardous combustion products: see section 5.



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

## **SECTION 11: Toxicological information**

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

## Classification according to GHS (1272/2008/EC, CLP)

Acute toxicity

Shall not be classified as acutely toxic.

Skin corrosion/irritation

Shall not be classified as corrosive/irritant to skin.

Serious eye damage/eye irritation

Shall not be classified as seriously damaging to the eye or eye irritant.

### Respiratory or skin sensitisation

Shall not be classified as a respiratory or skin sensitiser.

### Germ cell mutagenicity

Shall not be classified as germ cell mutagenic.

Carcinogenicity Shall not be classified as carcinogenic.

### Reproductive toxicity

Shall not be classified as a reproductive toxicant.

Specific target organ toxicity - single exposure

Shall not be classified as a specific target organ toxicant (single exposure).

Specific target organ toxicity - repeated exposure Shall not be classified as a specific target organ toxicant (repeated exposure).

Aspiration hazard

Shall not be classified as presenting an aspiration hazard.

### 11.2 Information on other hazards

There is no additional information.

### **SECTION 12: Ecological information**

### 12.1 Toxicity

Very toxic to aquatic life with long lasting effects.

- **12.2 Persistence and degradability** Data are not available.
- **12.3 Bioaccumulative potential** Data are not available.
- 12.4 Mobility in soil

Data are not available.

- **12.5 Results of PBT and vPvB assessment** Data are not available.
- 12.6 Endocrine disrupting properties

Information on this property is not available.



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

### 12.7 Other adverse effects

Data are not available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

Sewage disposal-relevant information

Do not empty into drains. Avoid release to the environment. Refer to special instructions/safety data sheets.

Waste treatment of containers/packagings

It is a dangerous waste; only packagings which are approved (e.g. acc. to ADR) may be used. Completely emptied packages can be recycled. Handle contaminated packages in the same way as the substance itself.

#### Remarks

Please consider the relevant national or regional provisions. Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

## SECTION 14: Transport information

14.1	UN number or ID number	
	ADR/RID	UN 3077
	IMDG-Code	UN 3077
	ICAO-TI	UN 3077
14.2	UN proper shipping name	
	ADR/RID	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	IMDG-Code	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
	ICAO-TI	Environmentally hazardous substance, solid, n.o.s.
	Technical name	Triphenyl phosphorothionate
14.3	Transport hazard class(es)	
	ADR/RID	9
	IMDG-Code	9
	ICAO-TI	9
14.4	Packing group	
	ADR/RID	III
	IMDG-Code	III
	ICAO-TI	III
14.5	Environmental hazards	hazardous to the aquatic environment
14.6	Special precautions for user	

Provisions for dangerous goods (ADR) should be complied within the premises.

### 14.7 Maritime transport in bulk according to IMO instruments

The cargo is not intended to be carried in bulk.



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

## **Triphenyl phosphorothionate**

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Revision: 2022-02-10

Agreement concerning the Internatio Additional information	nal Carriage of Dangerous Goods by Road (ADR) -
Classification code	M7
Danger label(s)	9, fish and tree
Environmental hazards	<b>Yes</b> (hazardous to the aquatic environment)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Tunnel restriction code (TRC)	-
Hazard identification No	90
Emergency Action Code	2Z
Regulations concerning the Internation Additional information	onal Carriage of Dangerous Goods by Rail (RID) -
Classification code	9
Danger label(s)	9, fish and tree
Environmental hazards	<b>Yes</b> (hazardous to water)
Special provisions (SP)	274, 335, 375, 601
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
Transport category (TC)	3
Hazard identification No	90
International Maritime Dangerous Go	oods Code (IMDG) - Additional information
Marine pollutant	<b>Yes</b> (hazardous to the aquatic environment) (Triphenyl pho phorothionate)
Danger label(s)	9, fish and tree
Special provisions (SP)	274, 335, 966, 967, 969
Excepted quantities (EQ)	E1
Limited quantities (LQ)	5 kg
EmS	F-A, S-F
Stowage category	A



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

## International Civil Aviation Organization (ICAO-IATA/DGR) - Additional information

Environmental hazards	<b>Yes</b> (hazardous to the aquatic environment)		
Danger label(s)	9, fish and tree		
Special provisions (SP)	A97, A158, A179, A197		
Excepted quantities (EQ)	E1		
Limited quantities (LQ)	30 kg		

### **SECTION 15: Regulatory information**

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

### 15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance.

### **SECTION 16: Other information**

### Indication of changes (revised safety data sheet)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
1.4	Emergency information service: This number is only available during the following office hours: Mon - Thu 08:00 AM - 05:00 PM, Fri 08:00 AM - 12:00 PM	Emergency information service: +49 89 1 92 40	yes
1.4		Poison centre: change in the listing (table)	yes
5.2	Hazardous combustion products: Nitrogen oxides (NOx), Carbon monoxide (CO), Carbon dioxide (CO2), Phosphorus oxides (PxOy), Sulphur oxides (SOx)	Hazardous combustion products: Carbon monoxide (CO), Carbon dioxide (CO2), Phosphorus oxides (PxOy), Sulphur oxides (SOx)	yes
9.1	Appearance		yes
9.1	Colour: various	Colour: not determined	yes
9.1	Other safety parameters		yes
9.1		Lower and upper explosion limit: not determined	yes
9.1	Evaporation rate: not determined		yes
9.1	Explosion limits of dust clouds: not determined		yes
9.1		Decomposition temperature: not relevant	yes
9.1		Kinematic viscosity: not relevant	yes
9.1		Density and/or relative density	yes
9.1	Vapour density: this information is not available		yes



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

# Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
9.1	Viscosity: not relevant (solid matter)		yes
9.1	Explosive properties: none		yes
9.1	Oxidising properties: none		yes
9.1		Relative vapour density: information on this property is not available	yes
9.1		Particle characteristics: no data available	yes
9.2		Information with regard to physical hazard classes: hazard classes acc. to GHS (physical hazards): not relevant	yes
9.2		Other safety characteristics	yes
11.2		Information on other hazards: There is no additional information.	yes
12.6	Other adverse effects: Data are not available.	Endocrine disrupting properties: Information on this property is not available.	yes
14.1	UN number: 3077	UN number or ID number	yes
14.1		ADR/RID: UN 3077	yes
14.1		IMDG-Code: UN 3077	yes
14.1		ICAO-TI: UN 3077	yes
14.2	UN proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	UN proper shipping name	yes
14.2		ADR/RID: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	yes
14.2		IMDG-Code: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.	yes
14.2		ICAO-TI: Environmentally hazardous substance, solid, n.o.s.	yes
14.2		Technical name: Triphenyl phosphorothionate	yes
14.3	Class: 9 (environmentally hazardous)		yes
14.3		ADR/RID: 9	yes
14.3		IMDG-Code: 9	yes



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
14.3		ICAO-TI: 9	yes
14.4	Packing group: III (substance presenting low danger)	Packing group	yes
14.4		ADR/RID: III	yes
14.4		IMDG-Code: III	yes
14.4		ICAO-TI: III	yes
14.7	UN number: 3077		yes
14.7	Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		yes
14.7	Class: 9		yes
14.7	Packing group: III		yes
14.7		Regulations concerning the International Car- riage of Dangerous Goods by Rail (RID) - Addition- al information	yes
14.7		Classification code: 9	yes
14.7		Danger label(s): 9, fish and tree	yes
14.7		Danger label(s): change in the listing (table)	yes
14.7		Environmental hazards: yes (hazardous to water)	yes
14.7		Special provisions (SP): 274, 335, 375, 601	yes
14.7		Excepted quantities (EQ): E1	yes
14.7		Limited quantities (LQ): 5 kg	yes
14.7		Transport category (TC): 3	yes
14.7		Hazard identification No: 90	yes
14.7	UN number: 3077		yes
14.7	Proper shipping name: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.		yes
14.7	Class: 9		yes



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

# Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Section	Former entry (text/value)	Actual entry (text/value)	Safety-rel- evant
14.7	Packing group: III		yes
14.7	Marine pollutant: yes (hazardous to the aquatic environment)	Marine pollutant: yes (hazardous to the aquatic environment) (Tri- phenyl phosphorothionate)	yes
14.7	UN number: 3077		yes
14.7	Proper shipping name: Environmentally hazardous substance, solid, n.o.s.		yes
14.7	Class: 9		yes
14.7	Packing group: III		yes
16		Abbreviations and acronyms: change in the listing (table)	yes
16	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, la- belling and packaging of substances and mix- tures. Regulation (EC) No. 1907/2006 (REACH), amended by 2015/830/EU.Transport of danger- ous goods by road, rail and inland waterway (ADR/RID/ADN). International Maritime Danger- ous Goods Code (IMDG). Dangerous Goods Regu- lations (DGR) for the air transport (IATA).	Key literature references and sources for data: Regulation (EC) No 1272/2008 on classification, la- belling and packaging of substances and mix- tures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the Interna- tional Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).	

### Abbreviations and acronyms

Abbr.	Descriptions of used abbreviations
ADR	Accord relatif au transport international des marchandises dangereuses par route (Agreement concern- ing the International Carriage of Dangerous Goods by Road)
CAS	Chemical Abstracts Service (service that maintains the most comprehensive list of chemical substances)
Ceiling-C	Ceiling value
CLP	Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures
DGR	Dangerous Goods Regulations (see IATA/DGR)
EH40/2005	EH40/2005 Workplace exposure limits (http://www.nationalarchives.gov.uk/doc/open-government-li- cence/)
EmS	Emergency Schedule
GHS	"Globally Harmonized System of Classification and Labelling of Chemicals" developed by the United Na- tions
ΙΑΤΑ	International Air Transport Association
IATA/DGR	Dangerous Goods Regulations (DGR) for the air transport (IATA)
ICAO	International Civil Aviation Organization
ICAO-TI	Technical instructions for the safe transport of dangerous goods by air
IMDG	International Maritime Dangerous Goods Code



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

## Triphenyl phosphorothionate

Revision: 2022-02-10

Version number: GHS 2.0 Replaces version of: 2019-05-29 (GHS 1)

Abbr.	Descriptions of used abbreviations
IMDG-Code	International Maritime Dangerous Goods Code
PBT	Persistent, Bioaccumulative and Toxic
ppm	Parts per million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport International ferroviaire des marchandises Dangereuses (Regula- tions concerning the International carriage of Dangerous goods by Rail)
STEL	Short-term exposure limit
TWA	Time-weighted average
vPvB	Very Persistent and very Bioaccumulative
WEL	Workplace exposure limit

### Key literature references and sources for data

Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures. Regulation (EC) No. 1907/2006 (REACH), amended by 2020/878/EU.

Agreement concerning the International Carriage of Dangerous Goods by Road (ADR). Regulations concerning the International Carriage of Dangerous Goods by Rail (RID). International Maritime Dangerous Goods Code (IMDG). Dangerous Goods Regulations (DGR) for the air transport (IATA).

### List of relevant phrases (code and full text as stated in section 2 and 3)

Code	Text
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

### Disclaimer

This information is based upon the present state of our knowledge. This SDS has been compiled and is solely intended for this product.