P-TERT.-AMYLPHENOL

Version: *9*.01 **Revision Date 05.02.2018**

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1 Product identifier

Trade name	**P-TERT.-AMYLPHENOL**
REACH No.	01-2119971070-46-0000
Substance name (REACH / CLP)	p-(1,1-Dimethylpropyl)phenol

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

Use	Industrial use raw material for synthesis processes in the chemical industry
Uses advised against	

1.3 Details of the supplier of the safety data sheet

Company	SASOL Germany GmbH Anckelmannsplatz 1 20537 Hamburg Telephone: +49 40 63684-1000 Telefax: +49 40 63684-3700
Information (Product safety):	Telephone: + 49 (0) 23 65 - 49 47 05 Telefax: + 49 (0) 23 65 - 49 92 40
E-mail address	msds-info.germany@de.sasol.com

1.4 Emergency telephone number

Emergency telephone number	+ 49 (0) 23 65 - 49 22 32

SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification (REGULATION (EC) No 1272/2008)

Skin corrosion Category 1B	Causes severe skin burns and eye damage.
Skin sensitisation Category 1	May cause an allergic skin reaction.
Serious eye damage Category 1	Causes serious eye damage.
Chronic aquatic toxicity Category 1	Very toxic to aquatic life with long lasting effects.

2.2 Label elements

Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms

Signal word	Danger
Hazard statements	
H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H410	Very toxic to aquatic life with long lasting effects.
Precautionary statements	
P260	Do not breathe dust or mist.
P273	Avoid release to the environment.
P280	Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303 + P361 + P353	IF ON SKIN (or hair): Remove/ Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER/doctor.

2.3 Other hazards

The molten product can cause serious burns.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product is a substance in the meaning of regulation (EC) 1907/2006.

COMPONENTS TO BE NAMED IN ACCORDANCE WITH REGULATION (EC) 1907/2006 AS WELL AS OTHER HAZARDOUS INGREDIENTS AND CONTAINED SUBSTANCES WITH WORK PLACE LIMIT VALUES

p-(1,1-Dimethylpropyl)phenol

content: >= 90 - <= 100 % **component type:** Active ingredient

EC-No.: 201-280-9 **Index-No.:** **CAS-No.:** 80-46-6
REACH No.: 01-2119971070-46-0000
Substance name (REACH / CLP): p-(1,1-Dimethylpropyl)phenol

Classification (Regulation (EC) No 1272/2008):	Skin Corr. 1B	H314	
	Eye Dam. 1	H318	
	Skin Sens. 1B	H317	
	Aquatic Chronic	1	H410

For information on ingredients listed on the candidate list (Candidate List of Substances of Very High Concern for Authorisation) or in the list of substances subject to authorization (Annex XIV of Regulation (EC) No 1907/2006), see section 15.1. of this data sheet.

For the full text of the H-Statements mentioned in this Section, see Section 16.

SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

General advice If you feel unwell, seek medical advice (show the label where possible).

If inhaled	Remove from exposure, lie down. If breathing is irregular or stopped, administer artificial respiration. Monitor breathing, give oxygen if necessary. Consult a physician.
In case of skin contact	Wash off immediately with soap and plenty of water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Call a physician immediately.

4.2 Most important symptoms and effects, both acute and delayed

Most important symptoms and effects, both acute and delayed	Symptoms: No information available. Risks: No information available.

4.3 Indication of any immediate medical attention and special treatment needed

Indication of any immediate medical attention and special treatment needed	Treatment: No information available.

SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media	Water spray, Dry powder, Foam, Carbon dioxide (CO2)

5.2 Special hazards arising from the substance or mixture

Specific hazards during firefighting	Dangerous gases or fumes may occur in case of fire.

5.3 Advice for firefighters

Further information	Standard procedure for chemical fires.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Personal precautions	Use personal protective equipment.

6.2 Environmental precautions

Environmental precautions	Should not be released into the environment.

6.3 Methods and materials for containment and cleaning up

Methods for cleaning up	Sweep up or vacuum up spillage and collect in suitable container for disposal.

6.4 Reference to other sections

For personal protection see section 8.

SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Advice on safe handling	Wear personal protective equipment. Handle and open container with care. Avoid contact with skin and eyes.
Advice on protection against fire and explosion	Normal measures for preventive fire protection. Take precautionary measures against static discharges. Keep away from sources of ignition - No smoking.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers	No special storage conditions required.
Storage class (TRGS 510)	8AS: Combustible solids, corrosive

7.3 Specific end use(s)

Specific use(s)	This information is not available.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

COMPONENTS WITH WORKPLACE CONTROL PARAMETERS

National occupational exposure limits

No data available

EUROPEAN OCCUPATIONAL EXPOSURE LIMITS

No data available

DERIVED NO EFFECT LEVEL (DNEL)

Substance name: p-(1,1-Dimethylpropyl)phenol			
End Use	**Exposure routes**	**Value**	**Note**
Workers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	0,25 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	2,47 mg/m3	
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local effects		Not relevant / not applicable
Consumers	dermal, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure -		Not relevant / not applicable

	systemic effects		
	Oral, Acute/short-term exposure - systemic effects		Not relevant / not applicable
	dermal, Acute/short-term exposure - local effects		Not relevant / not applicable
	Inhalation, Acute/short-term exposure - local effects		Not relevant / not applicable
	dermal, long-term exposure - systemic effects	0,13 mg/kg	based on body weight and day
	Inhalation, long-term exposure - systemic effects	0,61 mg/m3	
	Oral, long-term exposure - systemic effects	0,35 mg/kg	based on body weight and day
	dermal, long-term exposure - local effects		Not relevant / not applicable
	Inhalation, long-term exposure - local effects		Not relevant / not applicable

PREDICTED NO EFFECT CONCENTRATION (PNEC)

Substance name: p-(1,1-Dimethylpropyl)phenol		
Environmental Compartment	**Value**	**Note**
Fresh water	0,01 mg/l	
Marine water	0,001 mg/l	
intermittent release	0,025 mg/l	
treatment plant	1,8 mg/l	
Fresh water sediment	1,5088 mg/kg	based on dry weight
Marine sediment	0,15088 mg/kg	based on dry weight
Soil	0,2958 mg/kg	based on dry weight
food		Not relevant / not applicable

8.2 Exposure controls

ENGINEERING MEASURES

If possible, use material transfer/filling, metering and blending plants that are closed.

PERSONAL PROTECTIVE EQUIPMENT

Respiratory protection In inadequately ventilated areas, where workplace limits are exceeded, where unpleasant odours exist or where dust, fibres and smoke occur, use self-contained breathing apparatus or breathing apparatus with a type P2 or P3 filter, in compliance with EN 143.

Hand protection The choice of an appropriate glove does not only depend on its material but also on other quality features and is different from one producer to the other., Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time., 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).

gloves suitable for permanent contact:
Material: Fluorinated rubber
Break through time: >= 480 min
Layer thickness: 0,4 mm

Material: butyl-rubber
Break through time: >= 480 min
Layer thickness: 0,5 mm

Eye protection	Tightly fitting safety goggles
Skin and body protection	Protective suit
Hygiene measures	Use barrier cream regularly. Provide adequate ventilation. Do not breathe dust or spray mist. Handle in accordance with good industrial hygiene and safety practice.
Protective measures	Avoid contact with the skin and the eyes.

ENVIRONMENTAL EXPOSURE CONTROLS

General advice	Should not be released into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Physical state	solid; 20 °C; 1.013 hPa
Form	flakes
Colour	white
Odour	phenol-like
Odour Threshold	No data available
pH	Not applicable
Melting point/range	ca. 93 °C
Boiling point/boiling range	ca. 256 °C; 1.013 hPa
Flash point	ca. 134 °C; DIN 51758
Evaporation rate	Not relevant / not applicable Justification: Solid
Flammability (solid, gas)	No data available
Lower explosion limit	Not applicable Justification: Solid
Upper explosion limit	Not applicable Justification: Solid
Vapour pressure	3,1 hPa; 100 °C
Relative vapour density	Not relevant / not applicable, Justification: Solid
Density	0,922 g/cm3; 100 °C

Relative density	No data available
Water solubility	0,037 g/l; 20 °C
Partition coefficient: n-octanol/water	No data available
Ignition temperature	ca. 430 °C; DIN 51794
Auto-ignition temperature	not auto-flammable
Viscosity, dynamic	2,9 mPas; 100 °C
Explosive properties	Constituents do not contain chemical groups associated with explosivity.
Oxidizing properties	not expected based on structure and functional groups

9.2 Other data

Additional advice	During processing, dust may form explosive mixture in air.

SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity

Note	No decomposition if stored and applied as directed.

10.2 Chemical stability

Note	Stable under normal conditions.

10.3 Possibility of hazardous reactions

Hazardous reactions	None known.

10.4 Conditions to avoid

Conditions to avoid	Direct heating, dirt, chemical contamination, sunlight, UV or ionising radiation. Exposure to air.

10.5 Incompatible materials to avoid

Materials to avoid	None known.;

10.6 Hazardous decomposition products

Hazardous decomposition products	Stable under normal conditions.

SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity

Acute oral toxicity	p-(1,1-Dimethylpropyl)phenol: LD50 Rat: > 2.000 mg/kg; OECD Test Guideline 401 Based on available data, the classification criteria are not met.
Acute inhalation toxicity	p-(1,1-Dimethylpropyl)phenol: LC50 Rat: > 5,6 mg/l; 4 h

Test atmosphere: dust/mist
Symptoms: Local irritation, Shortness of breath
(literature value)
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Test substance: p-tert-butylphenol
Based on available data, the classification criteria are not met.

Acute dermal toxicity

p-(1,1-Dimethylpropyl)phenol:
LD50 Rabbit: > 5.000 mg/kg;
Symptoms: Severe irritation, Skin disorders, Necrosis
(literature value)
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Test substance: p-tert-butylphenol
Based on available data, the classification criteria are not met.

Skin corrosion/irritation

Skin irritation

p-(1,1-Dimethylpropyl)phenol:
Rabbit: Corrosive; OECD Test Guideline 404
Causes severe skin burns and eye damage.

Serious eye damage/eye irritation

Eye irritation

p-(1,1-Dimethylpropyl)phenol:
study scientifically unjustified
Causes severe skin burns and eye damage.

Respiratory or skin sensitisation

Sensitisation

p-(1,1-Dimethylpropyl)phenol:
Mouse local lymphnode assay : sensitizing; OECD Test Guideline 429
May cause an allergic skin reaction.

Germ cell mutagenicity

Genotoxicity in vitro

p-(1,1-Dimethylpropyl)phenol:
In vitro tests did not show mutagenic effects
(literature value)

Genotoxicity in vivo

p-(1,1-Dimethylpropyl)phenol:
In vivo tests did not show mutagenic effects
(literature value)

Remarks

p-(1,1-Dimethylpropyl)phenol:
Based on available data, the classification criteria are not met.

Carcinogenicity

Carcinogenicity

p-(1,1-Dimethylpropyl)phenol:
The substance has been shown to be not genotoxic, therefore it is not expected to have a carcinogenic potential.

Reproductive toxicity

Reproductive toxicity

p-(1,1-Dimethylpropyl)phenol:
Two-generation reproductive toxicity: Rat; oral feed; 140 days; OECD Test Guideline 416
No toxicity to reproduction
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Test substance: p-tert-butylphenol

RemarksReproductive toxicity

p-(1,1-Dimethylpropyl)phenol:
Based on available data, the classification criteria are not met.

Teratogenicity

p-(1,1-Dimethylpropyl)phenol:
Rat; Oral
Did not show teratogenic effects in animal experiments.

(literature value)

STOT - single exposure

Remarks

p-(1,1-Dimethylpropyl)phenol:
The substance or mixture is not classified as specific target organ toxicant, single exposure.

STOT - repeated exposure

Remarks

p-(1,1-Dimethylpropyl)phenol:
The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

Repeated dose toxicity

p-(1,1-Dimethylpropyl)phenol:
Rat; oral feed; 140 days
NOAEL: 70 mg/kg (based on body weight and day); OECD Test Guideline 416
Symptoms: reduced food consumption, reduced body weight gain
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Test substance: p-tert-butylphenol

p-(1,1-Dimethylpropyl)phenol:
Rat; Dermal; 90-day
NOAEL: 25 mg/kg (based on body weight and day)
Target Organs: Skin
Symptoms: Ulceration, Skin disorders
(literature value)

Aspiration hazard

Aspiration toxicity

p-(1,1-Dimethylpropyl)phenol:
Not applicable

Toxicological information

p-(1,1-Dimethylpropyl)phenol:
Toxicokinetics
low bioaccumulation potential
(literature value)

SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish

p-(1,1-Dimethylpropyl)phenol:
LC50 (96 h) Pimephales promelas (fathead minnow): > 1 - 10 mg/l ; flow-through test
(literature value)

Toxicity to fish - Chronic toxicity

p-(1,1-Dimethylpropyl)phenol:
NOEC (100 d) Oryzias latipes (Orange-red killifish): 0,1 mg/l; reproduction rate; flow-through test
(literature value)

Toxicity to daphnia and other aquatic invertebrates

p-(1,1-Dimethylpropyl)phenol:
EC50 (48 h) Daphnia magna (Water flea): > 1 - 10 mg/l ; static test; ISO 6341
(literature value)
The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).
Test substance: sodium p-tert amylphenol

p-(1,1-Dimethylpropyl)phenol:
LC50 (96 h) Crangon septemspinosa: > 1 - 10 mg/l ; static test

(literature value)

Toxicity to daphnia and other aquatic invertebrates - Chronic toxicity	p-(1,1-Dimethylpropyl)phenol: NOEC (21 d) Daphnia magna (Water flea): 0,73 mg/l; reproduction rate; semi-static test; OECD Test Guideline 211; (literature value) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test substance: p-tert-butylphenol
Toxicity to aquatic plants	p-(1,1-Dimethylpropyl)phenol: EC50 (72 h) Pseudokirchneriella subcapitata (green algae): > 1 - 10 mg/l ; Growth rate; static test; OECD Test Guideline 201; (literature value) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).Test substance: sodium p-tert amylphenol p-(1,1-Dimethylpropyl)phenol: NOEC (72 h) Pseudokirchneriella subcapitata (green algae): 1,8 mg/l ; Growth rate; static test; OECD Test Guideline 201; (literature value) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy).Test substance: sodium p-tert amylphenol
Toxicity to bacteria	p-(1,1-Dimethylpropyl)phenol: NOEC (24 h) Tetrahymena sp.: 1,8 mg/l; static test (literature value) The data are derived from the evaluations or test results achieved with similar products (conclusion by analogy). Test substance: sodium p-tert amylphenol
Toxicity to soil dwelling organisms	p-(1,1-Dimethylpropyl)phenol: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
Toxicity to terrestrial flora	p-(1,1-Dimethylpropyl)phenol: The study is not necessary. Justification: unlikely direct and indirect exposure of the soil compartment
Toxicity for other terrestrial non-mammalian fauna	p-(1,1-Dimethylpropyl)phenol: study scientifically unjustified Justification: low bioaccumulation potential Unlikely to pose a hazard to birds.

12.2 Persistence and degradability

Biodegradability	p-(1,1-Dimethylpropyl)phenol: not readily biodegradable (10 day window not reached); > 60 %; 28 d; aerobic; OECD Test Guideline 301B

12.3 Bioaccumulative potential

Bioaccumulation	p-(1,1-Dimethylpropyl)phenol: Bioconcentration factor (BCF): 229; QSAR (literature value) low bioaccumulation potential

12.4 Mobility in soil

Mobility	p-(1,1-Dimethylpropyl)phenol: Adsorption/Soil; Koc: 1470; QSAR (literature value) Slightly mobile in soils

12.5 Results of PBT and vPvB assessment

Results of PBT assessment	This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Results of PBT assessment	p-(1,1-Dimethylpropyl)phenol: Based on available data, the classification criteria are not met.

12.6 Other adverse effects

General advice	p-(1,1-Dimethylpropyl)phenol: Very toxic to aquatic life with long lasting effects.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Product	Dispose of in accordance with local regulations.
waste code of the European Union: EWC	A waste code in accordance with the European Waste Catalogue (EWC) may not be assigned to this product since it admits of a classification only when the consumer uses it for some purpose. The waste code must be determined in agreement with the regional waste disposal authority or company.

SECTION 14: TRANSPORT INFORMATION

14.1 UN number

ADR	2430
RID	2430
ADN	2430
IMDG	2430
ICAO/IATA	2430

14.2 Proper shipping name

ADR	ALKYLPHENOLS, SOLID, N.O.S.
RID	ALKYLPHENOLS, SOLID, N.O.S.
ADN	ALKYLPHENOLS, SOLID, N.O.S.
IMDG	ALKYLPHENOLS, SOLID, N.O.S.
ICAO/IATA	ALKYLPHENOLS, SOLID, N.O.S.

14.3 Transport hazard class

ADR	8
RID	8
ADN	8
IMDG	8
ICAO/IATA	8

14.4 Packing group

ADR	II
RID	II
ADN	II
IMDG	II
ICAO/IATA	II

14.5 Environmental hazards

ADR	Environmentally hazardous	yes
RID	Environmentally hazardous	yes
ADN	Environmentally hazardous	yes
IMDG	Marine pollutant	yes
ICAO/IATA	Environmentally hazardous	yes

14.6 Special precautions for user

ADR	Hazard Identification Number	80
	Labels	8
	Tunnel restriction code	(E)
IMDG	Labels 8	
	EmS Number 1 F-A	
	EmS Number 2 S-B	
ICAO/IATA	Labels	8

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Remarks No information available.

SECTION 15: REGULATORY INFORMATION

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

EU REGULATIONS /INTERNATIONAL REGULATIONS

EU SVHC: REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59).

Listed

The product contains following substances that are listed on the named regulation/list:

Substance name	**CAS-No.** **EC-No.**	**content**
p-(1,1-Dimethylpropyl)phenol	80-46-6 201-280-9	<= 100 %

Occupational restrictions Employment restrictions for children and young workers in accordance with Directive 94/33/EC and the respective national provisions are to be observed.

NATIONAL/OTHER REGULATIONS

Legislation on the control of major-accident hazards involving dangerous substances Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.

list entry in the directive:: ENVIRONMENTAL HAZARDS; E1

Qualifiying quantity 1: 100 t; Qualifiying quantity 2: 200 t;

NOTIFICATION STATUS

Switzerland. Consolidated Inventory	CH INV	listed (product or constituents are listed)
US. Toxic Substances Control Act	TSCA	listed (product or constituents are listed)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL)	DSL	listed (product or constituents are listed)
Australia. Industrial Chemical (Notification and Assessment) Act	AICS	listed (product or constituents are listed)
Japan. Kashin-Hou Law List	ENCS (JP)	listed (product or constituents are listed)
Japan. Industrial Safety & Health Law (ISHL) List	ISHL (JP)	listed (product or constituents are listed)
Korea. Existing Chemicals Inventory (KECI)	KECI (KR)	listed (product or constituents are listed)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	PICCS (PH)	listed (product or constituents are listed)
China. Inventory of Existing Chemical Substances	INV (CN)	listed (product or constituents are listed)

Please note: the names and CAS numbers which are used for this product in the stated inventories may deviate from the information which is listed in chapter 3.

15.2 Chemical safety assessment

p-(1,1-Dimethylpropyl)phenol

A Chemical Safety Assessment has been carried out for this substance.

SECTION 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3.

H314	Causes severe skin burns and eye damage.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H410	Very toxic to aquatic life with long lasting effects.

Safety datasheet sections which have been updated:

15. Regulatory information

Further information: 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.

P-TERT.-AMYLPHENOL

Version: *9*.01 **Revision Date 05.02.2018**

This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

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

ADN	Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route
AICS	Australian Inventory of Chemical Substances
ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials (US)
BCF	Bioconcentration factor
CLP	Regulation on Classification, Labelling and Packaging of Substances and Mixtures
DIN	Deutsches Institut für Normung
DNEL	Derived No-Effect Level
DSL	Domestic Substances List
EC…	Effect concentration ... %
ENCS	Existing Notified Chemical Substances (Japan)
EWC	European Waste Catalogue
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
ISHL	Industrial Safety and Health Law (Japan)
ISO	International Organization for Standardization
IUAPC	International Union of Pure and Applied Chemistry
KECI	Korea Existing Chemicals Inventory
LC…	Lethal Concentration, ...%
LD…	Lethal Dose, ...%
MARPOL	International Convention for the Prevention of Pollution From Ships
NDSL	Non-Domestic Substances List
NOAEL	no observable adverse effect level
NOEL/NOEC	No Observed-effect level/concentration
NZIoC	New Zealand Inventory of Chemicals
OECD	Organisation for Economic Co-operation and Development
PBT	persistent, bioaccumulative, toxic
PICCS	Philippine Inventory of Chemicals and Chemical Substances
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Règlement concernant le transport international ferroviaire de marchandises dangereuses
TG	Test Guideline
TRGS	Technische Regeln für Gefahrstoffe
TSCA	Toxic Substances Control Act
vPvB	very persistent, very bioaccumulative
WGK	Wassergefährdungsklasse

Annex

Attachments to the safety data sheet and/or lists of the identified uses for the listed substances can be downloaded using the internet links below.

p-(1,1-Dimethylpropyl)phenol

http://www.sasolgermany.de/fileadmin/doc/productsafety/Annex/000000000384_EN_01.pdf