SAFETY DATA SHEET

Preparation Date: 7/28/2015 **Revision date** 10/02/2019 **Revision Number:** G2

1. IDENTIFICATION

Product identifier

Product code: P1233
Product Name: POTASSIUM TERT-BUTOXIDE

Other means of identification
Synonyms: tert-Butoxide, potassium
2-Methyl-2-propanol, potassium salt
2-Propanol, 2-methyl, potassium salt
Potassium tert-butanolate
Potassium t-butoxide
Potassium tert-butylate
K-tert-Butylate
CAS #: 865-47-4
RTECS # Not available
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: In organic synthesis. Laboratory chemicals. Research and Development. Manufacture of substances.
Uses advised against No information available

Supplier:
Spectrum Chemical Mfg. Corp
14422 South San Pedro St.
Gardena, CA 90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Tom Tyner (USA - West Coast)
Contact Person: Ibad Tirmiz (USA - East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Oral	Category 4
Skin corrosion/irritation	Category 1
Serious eye damage/eye irritation	Category 1
Flammable solids	Category 1
Self-Heating Substances and Mixtures	Category 2
Combustible dust	-

Label elements

Danger

Hazard statements
Harmful if swallowed
Causes severe skin burns and eye damage
Flammable solid
Self-heating in large quantities; may catch fire
May form combustible dust concentrations in air

Hazards not otherwise classified (HNOC)
Not Applicable

Other hazards
Reacts violently with water
May form explosive peroxides

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Do not breathe dust
Wear protective gloves/protective clothing/eye protection/face protection
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Ground container and receiving equipment
Use explosion-proof equipment
Keep cool. Protect from sunlight

Precautionary Statements - Response
Immediately call a POISON CENTER or physician
In case of fire: Use CO2, dry chemical, or foam to extinguish.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or physician.
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water
Wash contaminated clothing before reuse
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or physician.
IF SWALLOWED: Call a POISON CENTER or physician if you feel unwell
Rinse mouth
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up
Maintain air gap between stacks/pallets
Store bulk masses greater than .?1 kg/ .?2 lbs at temperatures not exceeding .?3 °C/ .?4 °F
Store away from other materials

Precautionary Statements - Disposal

Dispose of contents and container to an approved waste disposal plant in accordance with local, regional, national and international regulations as applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No	Weight-%
Potassium tert-Butoxide	865-47-4	100

4. FIRST AID MEASURES

First aid measures

General Advice: National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222. Ensure that medical personnel are aware of the material(s) involved and take precautions to protect themselves. First aider needs to protect himself.

Skin Contact: Wash off immediately with soap and plenty of water. Continue flushing with plenty of water for at least 15 minutes. Remove all contaminated clothes and shoes. Immediate medical attention is required. Call a physician or poison control center immediately.

Eye Contact: Flush eyes with water for 15 minutes. Immediate medical attention is required. Call a physician immediately.

Inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. WARNING! It may be hazardous to the person providing aid to give mouth-to-mouth resuscitation when the inhaled or ingested material is toxic, infectious or corrosive. Do not use mouth-to-mouth resuscitation if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Immediate medical attention is required.

Ingestion: Harmful if swallowed. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Immediate medical attention is required.

Most important symptoms and effects, both acute and delayed

Symptoms

Severe skin and eye irritation or burns
Corrosive to the eyes and may cause severe damage including blindness
Severe irritation or burns of the respiratory tract and possible lung injury
May cause irritiation to mucous membranes
May cause chemical burns to the respiratory tract
May cause inflammation of the lungs (pneumonitis)
May cause inflammation and edema of the larynx and bronchi
Coughing and wheezing
Can burn mouth, throat, and stomach
Possible corrosion and tissue destruction of the esophagus and digestive tract
May cause digestive (gastrointestinal) tract irritation
Severe over-exposure can produce lung damage, choking, unconsciousness or death
Inflammation of the eye is characterized by redness, watering and itching
Skin contact can produce inflammation and blistering

Indication of any immediate medical attention and special treatment needed

Notes to Physician: Treat symptomatically.

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Dry sand. Soda Ash.

Unsuitable Extinguishing Media: Do not use water, CO2, or foam directly on fire itself.

Specific hazards arising from the chemical

Hazardous combustion products Carbon monoxide. Carbon dioxide (CO2). Potassium oxides.

Specific hazards Reacts vigorously and/or explosively with water. May ignite on contact with moist air or moisture. Flammable. May be ignited by heat, sparks or flames. Avoid creating dust. Vapors or dust may form explosive mixtures with air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Container explosion may occur under fire conditions or when heated. Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: No information available

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear In the case of respirable dust and/or fumes, use self-contained breathing apparatus and dust impervious protective suit

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid dust formation. Avoid dispersal of dust in the air. Pay attention to flashback. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Remove all sources of ignition. Use spark-proof tools and explosion-proof equipment. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas. Do not let this chemical enter the environment.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Cover with plastic sheet to prevent spreading.

Methods for cleaning up Sweep up and shovel into suitable containers for disposal. Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Avoid creating dust. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:
Provide sufficient air exchange and/or exhaust in work rooms. Minimize dust generation and accumulation. Dry powders can build static electricity charges when subjected to friction of transfer and mixing operations. Routine housekeeping should be instituted to ensure that dusts do not accumulate on surfaces. Keep away from open flames, hot surfaces and sources of ignition. Keep away from incompatible materials.

Safe Handling Advice:
Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Use only in an area containing flame proof equipment. Use only in well-ventilated areas. Do not ingest. Do not smoke. Do not breathe dust. Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Moisture sensitive. Hygroscopic. Protect from moisture. Keep container tightly closed in a dry and well-ventilated place. Keep away from open flames, hot surfaces and sources of ignition. Store at room temperature in the original container. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:
Reducing agents
Combustible materials
Oxidizing agents
Heat
Moisture
Acids
Halogenated compounds

Dimethyl sulfoxide
Alcohols

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Component	CAS No	OSHA	NIOSH	ACGIH	AIHA WEEL
Potassium tert-Butoxide	865-47-4	None	None	None	None

Canada

Component	CAS No	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Potassium tert-Butoxide	865-47-4	None	None	None	None

Australia and Mexico

Component	CAS No	Australia	Mexico
Potassium tert-Butoxide	865-47-4	None	None

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas. Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit. Ensure that dust-handling systems (such as exhaust ducts, dust collectors, vessels, and processing equipment) are designed in a manner to prevent the escape of dust into the work area (i.e. there is no leakage from the equipment). It is recommended that all dust control equipment such as local exhaust ventilation and material transport systems involved in the handling of this product contain explosion relief vents or an explosion suppression system or an oxygen-deficient environment.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Face-shield. and Goggles

Skin and body protection: Boots
Gloves
flame retardant antistatic protective clothing
Chemical resistant protective suit

Respiratory protection: Effective dust mask. Use a dust respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentration of dust (dust clouds) , inadequate ventilation, development of respiratory tract irritation), and

engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands and face before breaks and immediately after handling the product

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:
Solid

Appearance:
Powder.

Color:
White.

Odor:
Nearly odorless.

Taste
No information available.

Formula
C4H9OK

Molecular/Formula weight (g/mole):
112.22

Flammability (solid, gas)
Flammable solid

Flashpoint (°C/°F):
No information available

Flash Point Tested according to:
Not available

Autoignition Temperature (°C/°F):
Self heating
483°C/901°F

Lower Explosion Limit (%):
No information available

Upper Explosion Limit (%):
No information available

Melting point/range(°C/°F):
256-258°C/493-496°F

Decomposition temperature(°C/°F):
No information available

Boiling point/range(°C/°F):
No information available

Bulk density:
525-565 kg/m^3

Density (g/cm3):
1.19

Specific gravity:
No information available

pH
>11
13 (0.5%)

Vapor pressure @ 20°C (kPa):
0.174

Evaporation rate:
No information available

Vapor density:
No information available

VOC content (g/L):
No information available

Odor threshold (ppm):
No information available

Partition coefficient (n-octanol/water):
0.32

Viscosity:
No information available

Miscibility:
No information available

Solubility:
Hydrolyzes in water
Soluble in Alcohol
Soluble in Tetrahydrofuran(THF)
Soluble in Ether
Soluble in hydrocarbons

10. STABILITY AND REACTIVITY

Reactivity
Reacts violently with water
Reactive with acids
May form explosive peroxides

Chemical stability

Stability: Hygroscopic. Moisture Sensitive. Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur
Reacts violently with water

Exothermic reaction with water
Hygroscopic. It absorbs moisture from the air
Contact with combustible materials (wood, paper, oil, clothing, etc.) may cause fire
In use, may form flammable/explosive vapor-air mixture
May release toxic and/or corrosive fumes

Conditions to avoid: Heat, flames and sparks. Ignition sources. Dust may form explosive mixture in air. Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Exposure to water. Exposure to moist air. Incompatible materials.

Incompatible Materials:
Reducing agents
Combustible materials
Oxidizing agents
Heat
Moisture
Acids
Halogenated compounds
Dimethyl sulfoxide
Alcohols

Hazardous decomposition products: Oxides of potassium. Carbon oxides.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Ingestion. Inhalation. Eyes. Skin.

Acute Toxicity

Component Information

Potassium tert-Butoxide	
CAS No	865-47-4

LD50/oral/rat = 690 mg/kg oral LD50 rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = No information available
LD50/dermal/rat = No information available
LC50/inhalation/rat = No information available
LC50/inhalation/mouse = No information available
Other LD50 or LC50information = No information available

Product Information

LD50/oral/rat =
Value - Acute Toxicity = 690 mg/kg

LD50/oral/mouse =

Value - Acute Tox = No information available

LD50/dermal/rabbit
Value - Acute Toxicity = No information available

LD50/dermal/rat
VALUE - Acute Tox = No information available

LC50/inhalation/rat
VALUE-Vapor = No information available
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

LC50/Inhalation/mouse
VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Corrosive. Causes severe irritation and burns. Can cause burning pain, inflammation and blisters. Depending on the duration of skin contact, it may cause reddening, discomfort, severe irritation, and possible chemical burns. Chemical burns result in blistering of the skin and possible scarring.

Eye Contact: Risk of serious damage to eyes. May cause reversible eye damage. May cause corneal damage. Corrosive to the eyes and may cause severe damage including blindness. Causes severe irritation and burns.

Inhalation Corrosive. It is destructive to the tissues of the mucous membrane and the upper respiratory tract. It may cause severe irritation of the upper respiratory tract, mucous membranes, with pain, burns, and inflammation. It may cause burns to the respiratory, chemical bronchitis with coughing and difficulty in breathing, ulceration and perforation of the nasal septum. Symptoms may include sore throat, coughing, shortness of breath, labored breathing. It may cause pulmonary sensitization or allergic asthma. Higher exposures may cause pulmonary edema. May cause chemical pneumonitis. May cause pulmonary edema, inflammation, edema of bronchi and larynx.

Ingestion Causes digestive (gastrointestinal) tract irritation. Corrosive to the mouth, throat, and stomach.

Aspiration hazard No information available.

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

Chronic Toxicity Prolonged or repeated inhalation is toxic to lungs and mucous membranes,.

Sensitization: No information available.

Mutagenic Effects: No information available

Carcinogenic effects: Not considered carcinogenic.

Component	CAS No	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic	Australia - Prohibited Carcinogenic

						Substances	Substances
Potassium tert-Butoxide	865-47-4	Not listed	Not listed	Not listed	Not listed	Not listed	Not listed

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available
Developmental Effects: No information available
Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.
STOT - repeated exposure No information available.
Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Potassium tert-Butoxide - 865-47-4
Algae/aquatic plants >110 mg/L EC50 green algea 72h
Fish >1000 mg/L LD50 Pimephales promelas 96h
Crustacea >1000 mg/L EC50 Daphnia magna 48h
56mg/L LC50 Ceriodaphnia dubia 48h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility in soil No information available
Other adverse effects No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation. Should not be released into the environment

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal. Do not re-use empty containers Dispose of as unused product.

Component	CAS No	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Potassium tert-Butoxide	865-47-4	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No:	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Hazard Class	4.2
Subsidiary Class	8
Packing group:	II
Emergency Response Guide Number	136
Marine Pollutant	No data available
DOT RQ (lbs):	No information available
Special Provisions	64, A7, IB5, IP2, T3, TP33, W31
Symbol(s):	[DOT]: (G) - Identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description.
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II

TDG (Canada)

UN-No:	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Hazard Class	4.2
Subsidiary Risk:	(8)
Packing Group:	II
Marine Pollutant	No Information available
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II

ADR

UN Number	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Transport hazard class(es)	4.2
Packing group	II
Subsidiary Risk:	8
Special Provisions	182, 274
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II

IMDG

UN-No:	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Hazard Class:	4.2
Subsidiary Risk:	8
Packing Group:	II
Marine Pollutant	No information available
EMS:	F-A
Special Provisions	182, 274
Description	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s. (POTASSIUM TERT-BUTOXIDE), 4.2 (8), II

RID

UN Number	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Transport hazard class(es)	4.2
Subsidiary Risk:	8
Packing group	II
Special Provisions	182, 274
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II

ICAO (air)

UN-No:	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Hazard Class	4.2
Subsidiary Risk:	8
Packing Group:	II
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II
Special Provisions	A3, A84

IATA

UN Number	UN3206
Proper Shipping Name:	Alkali metal alcoholates, self-heating, corrosive, n.o.s.
Transport hazard class(es)	4.2
Subsidiary Risk:	8
Packing group	II
Precautionary Statements - Response	4C
Special Provisions	No information available
Description:	UN3206, Alkali metal alcoholates, self-heating, corrosive, n.o.s., 4.2 (8), II

15. REGULATORY INFORMATION

International Inventories

Component	CAS No	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	China IECSC	Australia (AICS)	EINECS-No.
Potassium tert-Butoxide	865-47-4	PresentACTIVE	Present KE-24897	Present	Present (2)-3100	Present	Present	Present 212-740-3

U.S. Regulations

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Component	CAS No	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Potassium tert-Butoxide	865-47-4	Not Listed	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Component	CAS No	CERCLA - Hazardous Substances and their Reportable Quantities	Section 302 Extremely Hazardous Substances and TPQs	Section 302 Extremely Hazardous Substances and RQs	Section 313 - Chemical Category	Section 313 - Reporting de minimis
Potassium tert-Butoxide	865-47-4	None	None	None	None	None

U.S. TSCA

Component	CAS No	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules	TSCA 8(d) -Health and Safety Reporting

		(SNURS)	
Potassium tert-Butoxide	865-47-4	Not Applicable	Not Applicable

Canada

WHIMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Canada Hazardous Products Regulation This product has not been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

DSL/NDSL

Component	CAS No	Canada (DSL)	Canada (NDSL)
Potassium tert-Butoxide	865-47-4	Present	Not Listed

Component	CAS No	CEPA Schedule I - Toxic Substances
Potassium tert-Butoxide	865-47-4	Not listed
Component	CAS No	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Potassium tert-Butoxide	865-47-4	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Component	CAS No	EU GHS - SV - CLP (1272/2008)
Potassium tert-Butoxide	865-47-4	

EU - CLP (1272/2008)

R-phrase(s)

R22 - Harmful if swallowed
R10 - Flammable
R14 - Reacts violently with water
R36/37/38 - Irritating to eyes, respiratory system and skin
R52/53 - Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment

S -phrase(s)

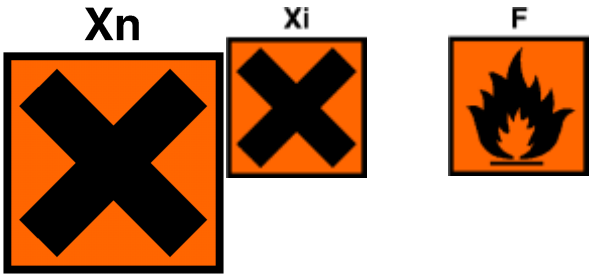
S30 - Never add water to this product
S43 - In case of fire use Dry Chemical powder, Dry Sand. Never use water
S 7 - Keep container tightly closed.
S 1/2 - Keep locked up and out of the reach of children.
S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection
S27/28 - After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of .?.

Component	CAS No	**Classification**	**Concentration Limits:**	**Safety Phrases**
Potassium tert-Butoxide	865-47-4		No information	

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xn - Harmful
Xi - Irritant
F - Highly flammable
C - Corrosive



16. OTHER INFORMATION

Preparation Date: 7/28/2015
Revision date 10/02/2019
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet