



Section 1: Identification

PRODUCT AND COMPANY INFORMATION

Product Name: t-Butyl catechol (tBC) remover **Molecular Formula:** Al₂O₃
Catalog Number: DTR-7, SDTR-7, TR-7
Company: Scientific Polymer Products, Inc.
6265 Dean Parkway
Ontario, NY 14519
Telephone: 585/265-0413
Fax: 585/265-1390
Website: www.scipoly.com
Emergency Phone Number: 800-255-3924 (CHEM TEL)

Section 2: Hazards Identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

GHS Label elements, including precautionary statements

Not a hazardous substance or mixture.

Hazards not otherwise classified (HNOC) or not covered by GHS – none

To the best of our knowledge, the toxicological properties of this chemical have not been thoroughly investigated. Use appropriate procedures and precautions to prevent or minimize exposure.

Section 3: Composition/Information on Ingredients

Ingredient	CAS Number	Concentration (%)
t-Butyl catechol (tBC) remover	1344-28-1	100

Section 4: First Aid Measures

General advice

Move out of dangerous area

Description of first aid measures

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration.

In case of skin contact

Wash off with soap and plenty of water.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11

Indication of any immediate medical attention and special treatment needed

No data available

Section 5: Fire-Fighting Measures**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Special hazards arising from the substance or mixture

Aluminum oxides

Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

Further information

Do not use halocarbon extinguishers

Section 6: Accidental Release Measures**Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Avoid breathing vapors, mist or gas.

For personal protection see section 8.

Environmental precautions

Do not let products enter drains

Methods and materials for containment and cleaning up

Sweep up and shovel. Keep in suitable, closed containers for disposal.

Reference to other sections

For disposal see section 13.

Section 7: Handling and Storage**Precautions for safe handling**

Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2

Conditions for safe storage, including any incompatibilities

Store in a closed container in a dry and cool area. Keep away from heat and sources of ignition. Keep away from food, drink, and animal feeding stuffs. Keep container tightly closed in a dry and well ventilated place.

Strongly hygroscopic

Storage class (TRGS 510): Non Combustible Solids

Specific end use(s)

Laboratory chemicals, Synthesis of substances

Section 8: Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

Component	CAS No.	Value	Control parameters	Comments
Aluminium oxide	1344-28-1	PEL (USA)	15 mg/m ³	Total dust
			15 mg/m ³	Respirable fraction
		REL (USA)	10 mg/m ³	Total dust
			5 mg/m ³	Respirable fraction
		TLV (USA)	1 mg/m ³	Respirable fraction
		EL (Canada)	10 mg/m ³	
		EV (Canada)	10 mg/m ³	Total dust

Exposure controls

Appropriate engineering controls

General industrial hygiene practice.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection

Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Respiratory protection is not required. Where protection from nuisance levels of dusts are desired, use type N95 (US) or type P1 (EN 143) dust masks. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure

No special environmental precautions required.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

a)	Appearance	Form: Powder
b)	Odor	Odorless
c)	Odor Threshold	No data available
d)	pH	No data available
e)	Melting point/freezing point	2,045° C (3,713° F)
f)	Initial boiling point and boiling range	No data available
g)	Flash point	No data available
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapor pressure	1 hPa (1mmHg) at 2,158° C (3,916° F)
l)	Vapor density	No data available

m)	Relative density	No data available
n)	Water solubility	Insoluble
o)	Partition coefficient: n- octanol/water	No data available
p)	Auto-ignition temperature	No data available
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	Not explosive
t)	Oxidizing properties	The substance or mixture is not classified as oxidizing

Other safety information

No data available

Section 10: Stability and Reactivity

Reactivity

No data available

Chemical stability

Stable under recommended storage conditions.

Possibility of hazardous reactions

No data available

Conditions to avoid

Exposure to moisture

Incompatible materials

Acids, Bases, Oxidizing agents, Halogens, Halocarbons

Hazardous decomposition products

Other decomposition products - No data available

In the event of fire: see section 5

Section 11: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Oral-Rat - >10,000 mg/kg

(OECD Test Guideline 401)

LC50 Inhalation-Rat -4 h - >2.6 mg/l

(OECD Test Guideline 403)

Remarks: No significant adverse effects were reported

Dermal: No data available

Skin corrosion/irritation

Skin- Rabbit

Result: No skin irritation

(OECD Test Guideline 404)

Serious eye damage/eye irritation

Eyes- Rabbit

Result: No eye irritation

(OECD Test Guideline 405)

Respiratory or skin sensitization

Maximization Test (GPMT) - Guinea Pig

Result: Did not cause skin sensitization on laboratory animals

Germ cell mutagenicity

No data available

This product is or contains a component that is not classifiable as to its carcinogenicity based on its IARC, ACGIH, NTP, or EPA classification

Carcinogenicity

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

Specific target organ toxicity - repeated exposure

No data available

Aspiration hazard

No data available

Additional Information

RTECS: BD1200000

Section 12: Ecological Information

Toxicity

No toxicity at the limit of solubility

Persistence and degradability

The methods for determining biodegradability are not applicable to inorganic substances

Bioaccumulative potential

Does not bioaccumalate

Mobility in soil

No data available

Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects

No data available

Section 13: Disposal Considerations

Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

Section 14: Transport Information

DOT (US)

Not dangerous goods

IMDG

Not dangerous goods

IATA

Not dangerous goods

Section 15: Regulatory Information

SARA 302 Components

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components

The following components are subject to reporting levels established by SARA Title III, Section 313:

Aluminum oxide	CAS-No. 1344-28-1
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SARA 311/312 Hazards

Chronic Health Hazard

Massachusetts Right to Know Components

Aluminum oxide	CAS-No. 1344-28-1
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Pennsylvania Right to Know Components

Aluminum oxide	CAS-No. 1344-28-1
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New Jersey Right to Know Components

Aluminum oxide	CAS-No. 1344-28-1
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California Prop. 65 Components

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Section 16: Other Information

HMIS Rating

Health Hazard:	1
Flammability:	0
Physical Hazard:	0

NFPA Rating

Health Hazard:	1
Flammability:	0
Reactivity Hazard:	0

This material is intended for laboratory use only. It is not sold or intended for drug, household or other uses. The information represents the most accurate and complete data currently available to us. However, we make no warranty, express or implied, with respect to such information, and we assume no liability resulting from its use.