

**MATERIAL SAFETY DATA SHEET**

**TRESSA, INC.**  
**P.O. 75320**  
**CINCINNATI, OH 45275**

Tre Smooth Operator Straightener C/T

**1-800-879-8737**

Emergency Response Number: 1-800-424-9300  
 Outside The U.S. Call 703-527-3887

**SECTION I: IDENTIFICATION****Product name:** Smooth Operator Straightener, Color Treated Formula**SECTION II: HAZARDOUS INGREDIENTS/IDENTITY INFORMATION**

CAS#	Components	Concentration (% w/w)
5421-46-5	Ammonium Thioglycolate	3.98-4.56
68-11-1	Thioglycolic Acid	5.96-6.8
1336-21-6	Ammonium Hydroxide	0.5-1.0

**SECTION III: PHYSICAL/CHEMICAL CHARACTERISTICS****Form:** Cream**Color:** White**Odor:** Characteristic**Viscosity:** 30000cps @ 24C (Brookfield RVT, spindle 7, speed 20)**pH value:** 8.2 @24C**Flash Point:** The product is not combustible based on its chemical composition.**Water Solubility:** Miscible**Explosive Properties:** The product is not explosive.**SECTION IV: FIRE AND EXPLOSION HAZARD DATA**

Extinguish media: Carbon dioxide, foam, water spray, dry chemical powder.

Hazards arising from the substances, combustive product or resulting gases: Generation of Nitrogen Oxide, Carbon Monoxide, Sulfur Oxide.

Special fire fighting protective equipments: The use of self-containing breathing apparatus and protective suits are required when fighting fires involving this product.

Disposal: Contaminated extinguishing water and materials must be disposed in accordance with federal, state and local environment regulations.

**SECTION V: REACTIVITY DATA**

Stable under normal conditions.

Avoid exposure to temperatures over 40 deg C.

Avoid contact with strong oxidizing agents (such as bleaches and Hydrogen Peroxide), strong acids, metallic bowls or stirrers.

**SECTION VI: HEALTH HAZARD DATA****Routes of entry:**

Inhalation: yes

Ingestion: yes  
Skin: yes

**Symptoms of exposure:**

Harmful if swallowed  
May cause skin irritation  
Irritating to the eyes  
May produce an allergic reaction

**Acute toxicity**

Toxic, Harmful if swallowed  
LD50 (rat): 71mg/Kg OECD 401 method

**Permissible exposure limit values**

CAS#	Components	OSHA PEL	CATEGORY
5421-46-5	Ammonium Thioglycolate	50ppm (Ammonia)	TWA (8h)
68-11-1	Thioglycolic Acid	Not established	Not established
1336-21-6	Ammonium Hydroxide	1ppm (skin)/4mg/m3	TWA (8)

**Work and hygienic requirements**

Avoid contact with skin, eyes and clothing.  
Wear appropriate gloves and goggles.  
Wash thoroughly after handling.  
Do not eat, drink or smoke when handling this material.

**EMERGENCY AND FIRST AID PROCEDURES**

**If contact with eyes occurs, rinse eyes immediately with abundant cool water.**

**If contact with skin occurs, rinse skin with soap and water.**

**If ingestion occurs, do not induce vomiting. Rinse mouth with water and drink abundant water. Contact a physician immediately.**

**Additional information:** Immediately rinse any splash on clothing.

**SECTION VII: PRECAUTIONS FOR SAFE HANDLING AND USE**

**Handling:**

Read and follow instructions  
Wear gloves  
Avoid contact with skin, eyes, and clothing  
Adequate ventilation is required in work area  
Wash thoroughly after handling

**Storage:**

Store product in a dry and cool place  
Keep away from direct light, heat, and sources of ignition  
Keep away from oxidizing materials and strong acids  
Keep out of reach of children

**SECTION VIII: CONTROL MEASURES**

**Accidental Release**

Eliminate all sources of ignition.  
Wear appropriate respiratory protection, chemical splash goggles, rubber gloves and boots.  
Wear appropriate protective clothing to avoid contact with skin.  
Cautiously place spill into closable containers and dispose according to local and federal regulations.  
Wash spill site with soap solution after pick-up is completed.

**Other precautions and protective equipment:**

Do not eat, drink or smoke while handling this material.  
Require eye bath, safety shower and full protective gear.

**Disposal considerations**

Dispose this product in accordance with local and national regulations.

**Date of preparation:** 6/13/10

**Prepared by:** David C. Ferguson