

# MATERIAL SAFETY DATA SHEET

State Chemical Manufacturing Company  
3100 Hamilton Avenue, Cleveland, OH 44114 (216) 861-7114

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	<b>TKO</b>	24 Hour Emergency CHEMTREC Number:	800-424-9300
Product Description:	An aerosol non-selective weed killer.	MSDS Number:	M00599
EPA Registration Number:	44446-61-70799	EPA Establishment Number:	44446-TX-1

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Hazardous Ingredients</u>	<u>CAS Number</u>	<u>Weight</u>	<u>ACGIH</u>	<u>OSHA</u>
Propane-Isobutane	68476-85-7	< 35%	1000 ppm	1000 ppm
Petroleum Distillates	64742-95-6 or 8052-41-3	< 85%	100 ppm	200 ppm
Isopropyl Alcohol	67-63-0	< 7.0%	400 ppm	400 ppm
2,4-Dichlorophenoxyacetic Acid	94-75-7	0.29%	NA	NA
Bromicil	314-40-9	0.50%	NA	NA

## 3. HAZARDS IDENTIFICATION

### \*\*\*EMERGENCY OVERVIEW\*\*\*

Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F [49°C]. May cause eye, skin and respiratory irritation.

### POTENTIAL HEALTH EFFECTS

Routes of Exposure: Exposure may be by inhalation and/or skin or eye contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation and personal protective equipment.

Eye Contact: May cause eye irritation. Redness and itching or burning sensation may indicate excessive exposure.

Skin Contact: May cause skin irritation. Redness and itching or burning sensation may indicate excessive exposure.

Inhalation: May cause irritation of the respiratory system. May cause nervous system depression, headache, nausea, dizziness and loss of coordination are indications of excessive exposure to vapors or spray mists. Extreme overexposure may result in unconsciousness and possibly death.

Ingestion: May cause gastrointestinal disturbances, nausea.

## 4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eyes. Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**IF SWALLOWED:** Immediately call a poison control center. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

## 5. FIRE FIGHTING MEASURES

Flash Point(Method): < 100°F (TCC): Positive flame extension (> 18").

Lower Explosive Limit(LEL): NA Upper Explosive Limit(UEL): NA

Autoignition Temperature: NA

Flammable Properties: Isolate from heat, electrical equipment, sparks and open flame. Closed containers may explode when exposed to extreme heat.

Extinguishing Media: Foam, Carbon Dioxide, dry chemical, water.

Fire Fighting Instructions: Wear self-contained breathing apparatus and full protective clothing.

## 6. ACCIDENTAL RELEASE MEASURES

Remove all sources of ignition. Ventilate area. Use absorbent sweeping compound to soak up material and transfer to a proper container. Dispose of according to all Federal, State and Local Regulations regarding waste disposal.

## 7. HANDLING AND STORAGE

Keep away from heat, flames, sparks or other sources of ignition. Contents under pressure. Do not puncture, incinerate or expose to temperature above 120°F(49°C). Do not take internally. Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal. Keep out of reach of children. Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using. When spraying more than one half can continuously or more than one can consecutively, use NIOSH-approved respirator.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Local exhaust preferable. General exhaust acceptable if the exposure to materials is maintained below applicable exposure limits.

Personal Protective Equipment:

Respiratory: If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted NIOSH-approved organic vapor/particulate respirator.

Eye: Wear approved safety glasses or goggles with unperforated sideshields.

Skin: Wear chemically-impervious gloves. Wear long sleeves and long pants.

Other: An emergency eyewash station should be available in case of accidental eye contact.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Brown.	Odor:	Petroleum.
Physical State:	Liquid aerosol.	Vapor Pressure(mm Hg):	N100
Specific Gravity (Water = 1):	0.98	Boiling Point:	165°F
Melting Point:	NA	Vapor Density (Air = 1):	> 1.0.
Solubility in Water:	0%	Evaporation Rate (Butyl Acetate = 1):	< 1.0.
VOC Content:	99.18% ; 805.3 g/L.	Product Density:	6.77 lbs/gal.

## 10. STABILITY AND REACTIVITY

Stability:	Stable.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Heat, sparks, flames or other sources of ignition.
Incompatibility:	Some plastics.
Hazardous Decomposition Products:	Carbon Monoxide.

## 11. TOXICOLOGICAL INFORMATION

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen

## 12. ECOLOGICAL INFORMATION

NA

## 13. DISPOSAL CONSIDERATIONS

Do not incinerate. Depressurize container. Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Dispose of in accordance with all Federal, State and Local Regulations regarding pollution and waste disposal.

## 14. TRANSPORT INFORMATION

DOT Shipping Data:	Consumer Commodity, ORM-D
Canadian TDG:	Not registered for sale in Canada.
For International and Air Shipments:	Aerosol s, Flammable, 2,1, UN1950.

## 15. REGULATORY INFORMATION

TSCA:	All ingredients in this product are listed or exempt from listing on the TSCA Chemical Inventory.
CEPA:	All ingredients in this product are listed or exempt from listing on the Canadian DSL/NDSL.
Proposition 65:	This product contains no chemicals known to the state of California to cause cancer, birth defects or other reproductive harm.
SARA 313:	This product contains the following toxic chemicals that are subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372.65C):
	Isopropyl Alcohol 67-63-0
	2,4-Dichlorophenoxyacetic Acid 94-75-7

HMIS Classification: Health = 2      Flammability = 3      Reactivity = 1      Personal Protection = B

WHMIS Classification: Not registered for sale in Canada.

## 16. OTHER INFORMATION

NA = Not Available or Not Applicable  
NE = Not Established

**Read and follow all label directions and precautions before using the product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE KEEP OUT OF THE REACH OF CHILDREN. While we believe that the data contained herein is factual and the opinions expressed are those of qualified experts, the data are not to be taken as a warranty or representation for which the company assumes legal responsibility. They are offered solely for your consideration, investigation, and verification. Any use of these data and information must be determined by the user to be in accordance with applicable Federal, State, and Local Laws and regulations.**

HEALTH AND SAFETY INFORMATION: (216) 861-7114

Completed On: February 2004      Replaces: June 2002      Completed By: Regulatory Affairs