

# SAFETY DATA SHEET

TEMPERKOTE® 1000 41 SILVER

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## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY

**TRADE NAME:** TEMPERKOTE® 1000 41 SILVER

**CHEMICAL FAMILY:** SILICONE, AROMATIC SOLVENT

**MAIN USE:** INDUSTRIAL HI-HEAT® COATING

**MANUFACTURER'S NAME / ADDRESS:** FLAME CONTROL COATINGS LLC  
4120 HYDE PARK BLVD.  
NIAGARA FALLS, N.Y. 14305

**EMERGENCY TELEPHONE NUMBER:** 800-535-5053

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**PREPARED BY:** P. PISARSKI

## SECTION 2: HAZARDS IDENTIFICATION

**CLASSIFICATION:** SILVER PIGMENTED LIQUID, AROMATIC SOLVENT ODOR

### IMPORTANT HAZARDS:

FLAMMABLE LIQUID- CATEGORY 2  
SKIN CORROSION/IRRITATION- CATEGORY 2  
SERIOUS EYE DAMAGE/EYE IRRITATION- CATEGORY 2A  
CARCINOGENICITY- CATEGORY 3  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)  
(RESPIRATORY TRACT IRRITATION)- CATEGORY 3  
SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)  
(NARCOTIC EFFECTS)- CATEGORY 3  
SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)- CATEGORY 2  
ASPIRATION HAZARD- CATEGORY 1

### GHS LABEL ELEMENTS HAZARD PICTOGRAMS:



### EMERGENCY OVERVIEW:

DANGER!  
FLAMMABLE LIQUID AND VAPOR  
HARMFUL OR FATAL IF SWALLOWED  
HARMFUL IF INHALED  
CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION  
CONTAINS MATERIAL WHICH CAUSES DAMAGE TO THE FOLLOWING  
ORGANS: BLOOD, KIDNEYS, LIVER, GASTROINTESTINAL TRACT,  
RESPIRATORY TRACT, SKIN, NERVOUS SYSTEM, EYE, LENSE OR CORNEA  
VAPOR MAY CAUSE FLASH FIRE  
MAY BE HARMFUL IF ABSORBED THROUGH SKIN  
POSSIBLE CANCER HAZARD  
CONTAINS MATERIAL WHICH CAN CAUSE CANCER

**PRIMARY ROUTES OF ENTRY:** EYE CONTACT, SKIN CONTACT, INHALATION, INGESTION

### HEALTH HAZARDS (ACUTE AND CHRONIC EXPOSURES)

#### EYES:

**ACUTE** – LIQUID, AEROSOLS OR VAPORS ARE SEVERELY IRRITATING AND CAN CAUSE PAIN, TEARING, REDDENING AND SWELLING. IF LEFT UNTREATED, CORNEAL DAMAGE CAN OCCUR AND INJURY IS SLOW TO HEAL. HOWEVER, DAMAGE IS USUALLY REVERSIBLE.

**CHRONIC** – PROLONGED VAPOR CONTACT MAY CAUSE CONJUNCTIVITIS.

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## SECTION 4: FIRST AID MEASURES (CON'T)

**NOTES TO PHYSICIAN:** ACUTE MASSIVE EXPOSURE TO TOLUENE CAN CAUSE TRANSIENT HEMATURIA AND ALBUMINURIA. CARDIAC ARRHYTHMIAS CAN OCCUR AFTER MASSIVE INHALATION.

## SECTION 5: FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA:** IGNITION MAY GIVE RISE TO A CLASS B FIRE. IN CASE OF FIRE USE: WATER FOG, CARBON DIOXIDE, DRY CHEMICAL, OR ALCOHOL FOAM.

**SPECIFIC HAZARDS ARISING FROM CHEMICAL:** FLAMABLE LIQUID AND VAPOR. IN A FIRE OR IF HEATED A PRESSURE INCREASE WILL OCCUR AND THE CONTAINER MAY BURST, WITH THE RISK OF A SUBSEQUENT EXPLOSION. VAPOR IS HEAVIER THAN AIR AND WILL SPREAD ACROSS THE GROUND.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>

**HAZARDOUS POLYMERIZATION (REACTIVITY):** WILL NOT OCCUR.

**SPECIAL FIRE FIGHTING PROCEDURES:** WEAR SELF-CONTAINED BREATHING APPARATUS AND PROTECTIVE CLOTHING. WATER SPRAY IS USEFUL IN COOLING FIRE-EXPOSED VESSELS AND IN DISPERSING VAPORS.

**UNUSUAL FIRE AND EXPLOSIVE HAZARDS:** MAY GENERATE TOXIC OR IRRITATING COMBUSTION PRODUCTS. SUDDEN REACTION AND FIRE MAY RESULT IF PRODUCT IS MIXED WITH AN OXIDIZING AGENT. SOLVENT VAPORS MAY BE HEAVIER THAN AIR. UNDER CONDITIONS OF STAGNANT AIR, VAPORS MAY BUILD UP AND TRAVEL ALONG THE GROUND TO AN IGNITION SOURCE.

## SECTION 6: ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** SHUT OFF SOURCES OF IGNITION. COVER SPILLS WITH ABSORBENT. PLACE IN METAL CONTAINERS FOR RECOVERY OR DISPOSAL. PREVENT ENTRY INTO SEWERS, STORM DRAINS, AND WATERWAYS.

## SECTION 7: HANDLING AND STORAGE

**GENERAL:** STORE IN COOL, WELL VENTILATED AREAS. KEEP AWAY FROM HEAT AND OPEN FLAMES. AVOID PROLONGED INHALATION OF HEATED VAPORS OR MISTS. AVOID PROLONGED SKIN CONTACT. USE NON-SPARKING TOOLS AND GROUNDING CABLES WHEN TRANSFERRING. CONTAINERS MAY BE HAZARDOUS WHEN EMPTY.

**STORAGE:** AVOID TEMPERATURE EXTREMES. STORE AWAY FROM EXCESSIVE HEAT, FROM SOURCES OF IGNITION AND FROM REACTIVE MATERIALS. MATERIAL CAN BURN; LIMIT INDOOR STORAGE TO AREAS EQUIPPED WITH AUTOMATIC SPRINKLERS. STORE OUT OF DIRECT SUNLIGHT IN A COOL PLACE. KEEP CONTAINERS TIGHTLY CLOSED. GROUND ALL METAL CONTAINERS DURING STORAGE AND HANDLING.

## SECTION 8: EXPOSURE CONTROL/PERSONAL PROTECTION

INGREDIENTS (CAS)	<u>EXPOSURE LIMITS (ppm)</u>				OTHER
	OSHA		ACGIH		
	TWA	STEL	TWA	STEL	
000108-88-3	100	150	100	150	
000098-56-6	NE	NE	NE	NE	
012001-26-2	3mg/m <sup>3</sup>	ND	3mg/m <sup>3</sup>	ND	
014807-96-6	2mg/m <sup>3</sup>	ND	5mg/m <sup>3</sup>	ND	(SEE NOTE 1)
068186-91-4*	NE	NE	NE	NE	(SEE NOTE 1)
*chromium compounds (as Cr)	0.5mg/m <sup>3</sup>	ND	0.5mg/m <sup>3</sup>	ND	
*copper dusts and mists (as Cu)	1mg/m <sup>3</sup>	ND	1mg/m <sup>3</sup>	ND	(SEE NOTE 1, 2)
000540-88-5	200	NE	200	NE	(SEE NOTE 1, 2)
064742-95-6	NE	NE	NE	NE	
064742-89-8	200	250	200	250	

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## SECTION 11: TOXICOLOGICAL INFORMATION (CON'T)

### CARCINOGENICITY

PRODUCT/INGREDIENT NAME	OSHA	IARC	NTP
Toluene	POSSIBLE SELECT CARCINOGEN	3	-

### SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE)

PRODUCT/INGREDIENT NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
p-Chlorobenzotrifluoride	CATEGORY 3	N/A	RESPIRATORY TRACT IRRITATION AND NARCOTIC EFFECTS
Toluene	CATEGORY 3	N/A	RESPIRATORY TRACT IRRITATION AND NARCOTIC EFFECTS

### SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE)

PRODUCT/INGREDIENT NAME	CATEGORY	ROUTE OF EXPOSURE	TARGET ORGANS
Toluene	CATEGORY 2	N/A	CNS and Kidney

### POTENTIAL ACUTE HEALTH EFFECTS

**EYE:** CAUSES SERIOUS EYE IRRITATION

**INHALATION:** CAN CAUSE CNS DEPRESSION, MAY CAUSE DROWSINESS AND DIZZINESS, RESPIRATORY IRRITATION

**SKIN CONTACT:** CAUSES SKIN IRRITATION

**INGESTION:** CAN CAUSE CNS DEPRESSION MAY BE FATAL IF SWALLOWED

### POTENTIAL CHRONIC EFFECTS

**GENERAL:** MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED AND REPEATED EXPOSURE

**TERATOGENICITY:** YES

**MUTAGENICITY:** NO

**EMBRYOTOXICITY:** NO

## SECTION 12: ECOLOGICAL INFORMATION

PRODUCT/INGREDIENT NAME	RESULT	SPECIES	EXPOSURE
Tertiary Butyl Acetate	LC50 296 - 362 mg/L FRESHWATER	FRESHWATER FISH	96 Hrs
Toluene	LC50 7.3~22.8 mg/l FRESHWATER	FRESHWATER FISH	96 Hrs

## SECTION 13: DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHODS:** INCINERATION IS PREFERRED. COMPLY WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. RCRA CLASSIFIED HAZARDOUS WASTE WITH CHARACTERISTIC OF IGNITABILITY.

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## SECTION 16: OTHER INFORMATION

### HAZARD RATING

HMIS:

HEALTH 2

FLAMMABILITY 3

REACTIVITY 0

### LEGEND

ACGIH:

AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL HYGIENISTS

OSHA:

OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION

STEL:

SHORT TERM EXPOSURE LIMIT

TWA:

TIME WEIGHTED AVERAGE

PEL:

PERMISSABLE EXPOSURE LIMIT

TLV:

THRESHOLD LIMIT VALUE

NA:

NOT APPLICABLE

NE:

NOT ESTABLISHED

ND:

NO DATA

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