

This MSDS should be attached or kept with the respective product with which it is associated.

TAL SAFETY DATA SHEET - 7S596

## Associated Grainger Items

2X988

2X988

B2X988

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## MANUFACTURER'S NAME

## EMERGENCY TELEPHONE NO.

DISTRIBUTED BY

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## DATE OF PREPARATION

## INFORMATION TELEPHONE NO.

08-APR-98

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## SECTION I - PRODUCT IDENTIFICATION

## PRODUCT NUMBER

## HMIS CODES

B2X988

HEALTH: 2#

FLAMMABILITY: 4

ACTIVITY: 0

## PRODUCT NAME

88-B SILICONE LUBRICANT

## PRODUCT CLASS

AEROSOL SPECIALTY PRODUCT

## SECTION II - HAZARDOUS INGREDIENTS

INGREDIENT CAS NO.	% BY WT	ACGIH	OSHA	UNITS	V.
		TLV	PEL		
PROPANE 74-98-6	16		1000	PPM	760
BUTANE 106-97-8	44	800	800	PPM	760
HEXANE 110-54-3	19	50	50	PPM	127
ISOHEXANE ISOMERS 107-83-5	14 STEL	500 1000	500 1000	PPM	250
CYCLOHEXANE 110-82-7	1	300	300	PPM	100

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## SECTION III - PHYSICAL DATA

PRODUCT WEIGHT: 5.03 LB./GAL.

EVAPORATION RATE: FASTER THAN ETHER

SPECIFIC GRAVITY: 0.61

VAPOR DENSITY: HEAVIER THAN AIR

Kroepsch  
KCTC  
9-5-01

BOILING POINT: LT 0 -179 F.            MELTING POINT: N.A.  
VOLATILE VOLUME: 96%                   SOLUBILITY IN WATER: N.A.  
VOLATILE WEIGHT: 94.00% (LESS FEDERALLY EXEMPT SOLVENTS)

HMS: 2 # 4 0

#### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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FLASH POINT                   LEL                   UEL  
PROPELLANT LT 0 F.           1.0                   9.5

#### EXTINGUISHING MEDIA:

CARBON DIOXIDE, DRY CHEMICAL, FOAM

UNUSUAL FIRE AND EXPLOSION HAZARDS: ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT SPARKS, AND OPEN FLAME. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTRE HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. DURING EMERGENCY CONDITIONS OVEREXPOSURE TO DECOMPOSITION PRODUCTS MAY CAUSE A HEA HAZARD. SYMPTOMS MAY NOT BE IMMEDIATELY APPARENT. OBTAIN MEDICAL ATTENTION.

SPECIAL FIRE FIGHTING PROCEDURES: FULL PROTECTIVE EQUIPMENT INCLUDING SELF-CONTAINED BREATHING APPARATUS SHOULD BE USED. WATER SPRAY MAY BE INEFFECTIV IF WATER IS USED, FOG NOZZLES ARE PREFERABLE. WATER MAY BE USED TO COOL CLO CONTAINERS TO PREVENT PRESSURE BUILD-UP AND POSSIBLE AUTOIGNITION OR EXPLOS WHEN EXPOSED TO EXTREME HEAT.

#### SECTION V - HEALTH HAZARD DATA

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ROUTES OF EXPOSURE: EXPOSURE MAY BE BY INHALATION AND/OR SKIN OR EYE CONTAC DEPENDING ON CONDITIONS OF USE. TO MINIMIZE EXPOSURE, FOLLOW RECOMMENDATION FOR PROPER USE, VENTILATION, AND PERSONAL PROTECTIVE EQUIPMENT.

#### ACUTE HEALTH HAZARDS:

EFFECTS OF OVEREXPOSURE: IRRITATION OF EYES, SKIN AND RESPIRATORY SYSTEM. M CAUSE NERVOUS SYSTEM DEPRESSION. EXTREME OVEREXPOSURE MAY RESULT IN UNCONSCIOUSNESS AND POSSIBLY DEATH.

SIGNS AND SYMPTOMS OF OVEREXPOSURE: HEADACHE, DIZZINESS, NAUSEA, AND LOSS O COORDINATION ARE INDICATIONS OF EXCESSIVE EXPOSURE TO VAPORS OR SPRAY MISTS

REDNESS AND ITCHING OR BURNING SENSATION MAY INDICATE EYE OR EXCESSIVE SKIN EXPOSURE.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: NONE GENERALLY RECOGNIZED.

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#### EMERGENCY AND FIRST AID PROCEDURES:

IF INHALED: IF AFFECTED, REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM QUIET.

IF ON SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING AND LAUNDER BEFORE RE-USE.

IF IN EYES: FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDI ATTENTION.

IF SWALLOWED: NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. DO NOT

INDUCE VOMITING. GIVE CONSCIOUS PATIENT SEVERAL GLASSES OF WATER. SEEK MEDICAL ATTENTION.

TOXIC HEALTH HAZARDS:

NO INGREDIENT IN THIS PRODUCT IS AN IARC, NTP OR OSHA LISTED CARCINOGEN.

PROLONGED AND REPEATED EXPOSURE TO HEXANE MAY CAUSE DAMAGE TO NERVE TISSUE THE ARMS AND LEGS (PERIPHERAL NEUROPATHY), RESULTING IN MUSCULAR WEAKNESS A LOSS OF SENSATION. THIS EFFECT MAY BE INCREASED BY THE PRESENCE OF METHYL ETHER KETONE.

REPORTS HAVE ASSOCIATED REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS WITH PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE.

SECTION VI - REACTIVITY DATA

STABILITY: STABLE.

CONDITIONS TO AVOID: NONE KNOWN.

INCOMPATIBILITY: NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS: BY FIRE: CARBON DIOXIDE, CARBON MONOXIDE.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR.

SECTION VII - SPILL OR LEAK PROCEDURES

TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: REMOVE ALL SOURCE OF IGNITION. VENTILATE AND REMOVE WITH INERT ABSORBENT.

WASTE DISPOSAL METHOD: 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 HAZARD WASTE NUMBERS.

2X900

DO NOT INCINERATE. DEPRESSURIZE CONTAINER. DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE, AND LOCAL REGULATIONS REGARDING POLLUTION.

SECTION VIII - PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE: USE ONLY WITH ADEQUATE VENTILATION. AVOID BREATHING VAPOR AND SPRAY MIST. AVOID CONTACT WITH SKIN AND EYES. WASH HAND AFTER USING.

VENTILATION: LOCAL EXHAUST PREFERABLE. GENERAL EXHAUST ACCEPTABLE IF THE EXPOSURE TO MATERIALS IN SECTION II IS MAINTAINED BELOW APPLICABLE EXPOSURE LIMITS. REFER TO OSHA STANDARDS 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION: IF PERSONAL EXPOSURE CANNOT BE CONTROLLED BELOW TABLE LIMITS BY VENTILATION, WEAR A PROPERLY FITTED ORGANIC VAPOR/CONTAMINANT RESPIRATOR APPROVED BY NIOSH/MSHA FOR PROTECTION AGAINST MATERIALS IN SECTION II.

PROTECTIVE GLOVES: NONE REQUIRED FOR NORMAL APPLICATION OF AEROSOL PRODUCTS WHERE MINIMAL SKIN CONTACT IS EXPECTED. FOR LONG OR REPEATED CONTACT, WEAR

CHEMICAL RESISTANT GLOVES.

EYE PROTECTION: WEAR SAFETY SPECTACLES WITH UNPERFORATED SIDESHIELDS.

SECTION II - PRECAUTIONS

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DOL STORAGE CATEGORY: 1A

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: KEEP AWAY FROM HEAT, SPARK AND OPEN FLAME. VAPORS WILL ACCUMULATE READILY AND MAY IGNITE EXPLOSIVELY.

DURING USE AND UNTIL ALL VAPORS ARE GONE: KEEP AREA VENTILATED - DO NOT SMO  
EXTINGUISH ALL FLAMES, PILOT LIGHTS, AND HEATERS - TURN OFF STOVES, ELECTRI  
TOOLS AND APPLIANCES, AND ANY OTHER SOURCES OF IGNITION.

CONSULT NFPA CODE. USE APPROVED BONDING AND GROUNDING PROCEDURES.

CONTENTS UNDER PRESSURE. DO NOT PUNCTURE, INCINERATE, OR EXPOSE TO TEMPERAT  
ABOVE 120 F. HEAT FROM SUNLIGHT, RADIATORS, STOVES, HOT WATER, AND OTHER HE  
SOURCES COULD CAUSE CONTAINER TO BURST. DO NOT TAKE INTERNALLY. KEEP OUT OF  
REACH OF CHILDREN.

OTHER PRECAUTIONS: INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND  
INHALING THE CONTENTS CAN BE HARMFUL OR FATAL.

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SECTION I - OTHER REGULATORY INFORMATION:

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SARA 313 (40 CFR 372.65C) SUPPLIER NOTIFICATION:

CAS NO.	CHEMICAL/COMPOUND	% BY WT	% ELEMENT
110-54-3	HEXANE	19	
110-82-7	CYCLOHEXANE	1	

CALIFORNIA PROPOSITION 65:

WARNING: THIS PRODUCT CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA T  
CAUSE CANCER.

TSCA CERTIFICATION: ALL CHEMICALS IN THIS PRODUCT ARE LISTED, OR ARE EXEMPT  
FROM LISTING, ON THE TSCA INVENTORY.

THE ABOVE INFORMATION PERTAINS TO THIS PRODUCT AS CURRENTLY FORMULATED, AND  
BASED ON THE INFORMATION AVAILABLE AT THIS TIME. ADDITION OF REDUCERS OR OT  
ADDITIVES TO THIS PRODUCT MAY SUBSTANTIALLY ALTER THE COMPOSITION AND HAZAR  
OF THE PRODUCT. SINCE CONDITIONS OF USE ARE OUTSIDE OUR CONTROL, WE MAKE NO  
WARRANTIES, EXPRESS OR IMPLIED, AND ASSUME NO LIABILITY IN CONNECTION WITH  
USE OF THIS INFORMATION.

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