

# Chem-Impex International Inc.

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## M A T E R I A L   S A F E T Y   D A T A   S H E E T

### SECTION 1. CHEMICAL IDENTIFICATION

CATALOG #: 17785

NAME: Di-*tert*-Butylmethyilsilane

SYNONYMS:

24 HOUR EMERGENCY TELEPHONE: (800) 535-5053 (USA)  
352-323-3500 (INTERNATIONAL)

TO REQUEST AN MSDS: (800) 869-9290

CUSTOMER SERVICE: (630) 766-2112

### SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS

CAS #: 56310-20-4

MF:  $C_9H_{22}Si$

MW: 158.36

PURITY:  $\geq 98\%$  (GC)

### SECTION 3. HAZARDS IDENTIFICATION

HMIS CODES: HEALTH: 2  
FLAMMABILITY: 3  
REACTIVITY: 1

EYE CONTACT: MAY CAUSE IMMEDIATE OR DELAYED SEVERE EYE IRRITATION.

SKIN CONTACT: NO INFORMATION AVAILABLE. AVOID CONTACT.

INHALATION: NO INFORMATION AVAILABLE. AVOID CONTACT.

ORAL TOXICITY: NOT DETERMINED

### SECTION 4. FIRST-AID MEASURES

EYE EXPOSURE:	IN CASE OF CONTACT, IMMEDIATELY FLUSH EYES WITH FLOWING WATER FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION.
SKIN:	FLUSH WITH WATER, THEN WASH WITH SOAP AND WATER.
INHALATION:	MOVE EXPOSED INDIVIDUAL TO FRESH AIR. ADMINISTER OXYGEN IF NEEDED. CALL A PHYSICIAN.
INGESTION:	NEVER GIVE FLUIDS OR INDUCE VOMITING IF PATIENT IS UNCONSCIOUS OR HAVING CONVULSIONS. TO CONSCIOUS INDIVIDUAL GIVE ONE FULL CUP OF WATER TO DILUTE INGESTED MATERIAL. GET MEDICAL ATTENTION.

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## SECTION 5. FIRE AND EXPLOSION DATA

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FLASH POINT:	30 C (86 F)
AUTOIGNITION TEMPERATURE:	NOT DETERMINED
FLAMMABILITY	NOT DETERMINED
EXTINGUISHING MEDIA	WATER SPRAY, FOAM, CARBON DIOXIDE, DRY CHEMICAL.
FIREFIGHTING	AVOID EYE AND SKIN CONTACT. DO NOT BREATHE FUMES OR INHALE VAPORS.
EXPOSURE HAZARD(S)	IRRITATING FUMES AND ORGANIC ACID VAPORS MAY DEVELOP WHEN MATERIAL IS EXPOSED TO ELEVATED TEMPERATURES OR OPEN FLAME.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

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## SECTION 7. HANDLING AND STORAGE

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STORAGE AND HANDLING: STORE IN SEALED CONTAINERS.

FOR RESEARCH AND INDUSTRIAL USE ONLY.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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VENTILATION:	LOCAL EXHAUST IS REQUIRED. MECHANICAL IS RECOMMENDED.
RESPIRATORY PROTECTION:	IF EXPOSURE EXCEEDS TLV, NIOSH APPROVED ORGANIC VAPOR RESPIRATOR.
EYE AND FACE PROTECTION:	CHEMICAL WORKER S GOGGLES. DO NOT WEAR CONTACT LENSES.
OTHER CLOTHING AND EQUIPMENT:	RUBBER, NEOPRENE OR NITRILE GLOVES. AN EYEWASH AND

EMERGENCY SHOWER SHOULD BE AVAILABLE. LAUNDER CLOTHING BEFORE REUSE.

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SECTION 9.                      PHYSICAL AND CHEMICAL PROPERTIES

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APPEARANCE:	Colorless liquid
BOILING POINT:	155 °C (Lit.)
SPECIFIC GRAVITY:	0.76
VAPOR PRESSURE AT 25 C:	NOT DETERMINED
VAPOR DENSITY (AIR=1):	>1
SOLUBILITY IN WATER:	INSOLUBLE.
% VOLATILES:	>95
EVAPORATION RATE (BUTYL ACETATE = 1):	~1

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SECTION 10.                      STABILITY AND REACTIVITY

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STABILITY	STABLE IN SEALED CONTAINERS UNDER DRY INERT ATMOSPHERE. THE PRODUCT CAN GENERATE SMALL AMOUNTS OF HYDROGEN WHEN EXPOSED TO ALKALIS AND PROTIC MATERIALS SUCH AS WATER AND ALCOHOL IN COMBINATION WITH METAL SALTS SUCH AS ALUMINUM CHLORIDE OR PRECIOUS METALS SUCH AS PLATINUM.
CONDITIONS TO AVOID:	STORE AWAY FROM ALKALIS, OXIDIZERS, METAL SALTS, PRECIOUS METALS.
HAZARDOUS DECOMPOSITION PRODUCTS:	HYDROGEN, FORMALDEHYDE, CARBON MONOXIDE. ORGANIC ACID VAPORS AND SILICON DIOXIDE.

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SECTION 11.                      TOXICOLOGICAL INFORMATION

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SECTION 12.                      ECOLOGICAL INFORMATION

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SPILL RESPONSE:	SWEEP MATERIAL AND TRANSFER TO A SUITABLE CONTAINER FOR DISPOSAL.
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SECTION 13.                      DISPOSAL CONSIDERATIONS

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APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION  
INCINERATE. FOLLOW ALL CHEMICAL POLLUTION CONTROL REGULATIONS.

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SECTION 14.TRANSPORT INFORMATION

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## DOT REGULATIONS:

PROPER SHIPPING NAME:	FLAMMABLE LIQUID, N.O.S, (Di- <i>tert</i> -Butylmethylsilane)
UN#:	UN1993
CLASS:	3
PACKING GROUP:	III
HAZARD LABEL:	FLAMMABLE LIQUID

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## SECTION 15.

REGULATORY INFORMATION

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## EU ADDITIONAL CLASSIFICATION

SYMBOL OF DANGER: Xi

INDICATION OF DANGER: IRRITANT.

R: 10-36/37/38

RISK STATEMENTS: FLAMMABLE. IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

S: 26-36

SAFETY STATEMENTS: IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING.

## US CLASSIFICATION AND LABEL TEXT

INDICATION OF DANGER: COMBUSTIBLE (USA) FLAMMABLE (EU). IRRITANT.

RISK STATEMENTS: IRRITATING TO EYES, RESPIRATORY SYSTEM AND SKIN.

SAFETY STATEMENTS: KEEP AWAY FROM SOURCES OF IGNITION NO SMOKING. IN CASE OF CONTACT WITH EYES, RINSE IMMEDIATELY WITH PLENTY OF WATER AND SEEK MEDICAL ADVICE. WEAR SUITABLE PROTECTIVE CLOTHING, GLOVES, AND EYE/FACE PROTECTION.

## UNITED STATES REGULATORY INFORMATION

SARA LISTED: NO

## CANADA REGULATORY INFORMATION

WHMIS CLASSIFICATION: THIS PRODUCT HAS BEEN CLASSIFIED IN ACCORDANCE WITH THE HAZARD CRITERIA OF THE CPR, AND THE MSDS CONTAINS ALL THE INFORMATION REQUIRED BY THE CPR.

DSL: NO

NDSL: YES

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## SECTION 16.

OTHER INFORMATION

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## MSDS LEGEND:

MW:	MOLECULAR WEIGHT
MF:	MOLECULAR FORMULA
VOC:	VOLATILE ORGANIC COMPOUNDS
ACGIH:	AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIAL
HYGIENISTS	
CAS:	CHEMICAL ABSTRACTS SERVICE REGISTRY NUMBER
OSHA:	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
PEL:	PERMISSIBLE EXPOSURE LIMIT (OSHA)
TLV:	THRESHOLD LIMIT VALUE (ACGIH)

## IMPORTANT:

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall **CII** be liable for any*

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