

TIOGA COATINGS CORP -- TIOTECH BRUSHING BLUE TOOLMAKE, ID CODE: 51-5-145 --
6850-00-664-9067

===== Product Identification =====

Product ID:TIOTECH BRUSHING BLUE TOOLMAKE, ID CODE: 51-5-145

MSDS Date:04/17/2000

FSC:6850

NIIN:00-664-9067

Status Code:A

MSDS Number: CKMGX

=== Responsible Party ===

Company Name:TIOGA COATINGS CORP

Address:208 QUAKER ROAD

City:ROCKFORD

State:IL

ZIP:61104

Country:US

Inf

o Phone Num:815-962-4200

Emergency Phone Num:815-962-4200

CAGE:LO625

=== Contractor Identification ===

Company Name:SDB CONSULTANTS LTD

Address:401 WHITNEY AVE SUITE 120

Box:City:GRETNA

State:LA

ZIP:70056

Country:US

Phone:504-366-9105

Contract Num:SP0450-00-M-SA09

CAGE:0PGK2

Company Name:TIOGA COATINGS CORP

Address:208 QUAKER ROAD

Box:City:ROCKFORD

State:IL

ZIP:61104

Country:US

Phone:815-962-4200

CAGE:LO625

===== Composition/Information on Ingredients =====

Ingred Name:ISOBUT

YL ACETATE
CAS:110-19-0
RTECS #:AI4025000
= Wt:45.

Other REC Limits:NONE RECOMMENDED
OSHA PEL:150 PPM
ACGIH TLV:150 PPM, TWA
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2190000
= Wt:25.

Other REC Limits:NONE RECOMMENDED
OSHA PEL:100 PPM
OSHA STEL:150 PPM
ACGIH TLV:100 PPM TWA
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL
CAS:67-63-0
RTECS #:NT8050000
= Wt:10.

Other REC Limits:C 800 PPM, TWA
OSHA PEL:400 PPM
OSHA STEL:500 PPM
ACGIH TLV:400 PPM, TWA

Ingred Name:ISOBUTYL ISOBUTYRATE
CAS:97-85-8
RTECS #:NQ5250000
= Wt:10.
Other REC Limits:NONE RECOMMENDED

Ingred Name:ISOBUTYL ALCOHOL
CAS:78-83-1
RTECS #:NP9625000
< Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:50 PPM
OSHA STEL:75 PPM
ACGIH TLV:50 PPM, TWA
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BUTYL BENZYL PHTHALATE
CAS:85-68-7
RTECS #:TH9990000
< Wt:5.
Other REC Limits:NONE RECOMMENDED
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3 TWA
EPA Rpt Qty:100 LBS

DOT Rpt Qty:100 LBS

Ingred Name:BUTYL CELLOSOLVE

CAS:111-76-2

RTECS #:KJ8575000

< Wt:5.

Other REC Limits:NONE RECOMMENDED

OSHA PEL:25 PPM

ACGIH TLV:25 PPM, TWA

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===== Hazards Identification =====

Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES

Reports of Carcinogenicity:NTP:NO IARC:NO OSHA:NO

Health Hazards Acute and Chronic:EYES: CAN CAUSE SEVERE IRRITATION,
REDNESS, TEARING, BLURRED VISION. SKIN: PROLONGED OR REPEATED
CONTACT CAN CAUS

E MODERATE IRRITATION. BREATHING: EXCESSIVE

INHALATION MAY HAVE RESULTS FROM MILD DEPRE SSION TO LOSS OF
CONSCIOUSNESS. SWALLOWING: CAN CAUSE GASTRO-INTESTINAL IRRITATION,
NAUSEA, VOMITING AND DIARRHEA. CHRONIC: REPORTS HAVE ASSOCIATED
REPEATED AND PROLONGED OCCUPATIONAL OVEREXPOSURE TO SOLVENTS WITH
PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. INTENTIONAL MISUSE BY
DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL
OR FATAL.

Effects of Overexposure:EY

ES-CAN CAUSE SEVERE IRRITATION, REDNESS,
TEARING, BLURRED VISION. SKIN-PROLONGED OR REPEATED CONTACT CAN
CAUSE MODERATE IRRITATION. BREATHING-EXCESSIVE INHALATION MAY HAVE
RESULTS FROM MILD DEPRESSI ON TO LOSS OF CONSCIOUSNESS.
SWALLOWING-CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING
& DIARRHEA.

Medical Cond Aggravated by Exposure:NONE SPECIFIED BY MANUFACTURER.

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===== First Aid Measures =====

First Aid:EYE CONTACT: FLUSH WITH

LARGE AMOUNTS OF WATER FOR AT LEAST

15 MINUTES. GET MEDICAL ATTENTION. SKIN CONTACT: REMOVE
CONTAMINATED CLOTHING AND SHOES. WASH EXPOSED SKIN AREAS WITH SOAP
AND WATER. CON SULT A PHYSICIAN IF IRRITATION PERSISTS. LAUNDRER
CONTAMINATED CLOTHING BEFORE REUSE. DESTROY CONTAMINATED SHOES.
INHALATION: MOVE TO FRESH AIR. GET MEDICAL ATTENTION IF NEEDED.
INGESTION: IF SWALLOWE D, GET MEDICAL ATTENTION.

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===== Fire Fighting Measures =====

FI

ash Point:=13.9C, 57.F

Lower Limits:1.0

Extinguishing Media:USE NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) CLASS B EXTINGUISHERS (CARBON DIOXIDE, DRY CHEMICAL, OR FOAM) DESIGNED TO EXTINGUISH NFPA CLASS I LIQUID FIRES.

Fire Fighting Procedures:SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN A PRESSURE-DEMAND MODE. WATER SPRAY WILL BE EFFECTIVE AND SHOULD BE USED TO COOL CLOSED CONTAINERS..

Unusual Fire/Explosion Hazard:MATERIAL HIGHLY VOLATILE AND GIVES OFF VAPORS WHICH MAY TRAVEL ALONG GROUND OR MOVED BY VENTILATION AND CAUSE FLASH FIRES OR BE IGNITED EXPLOSIVELY BY PILOT LIGHTS, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, OTHER SOURCES OF IGNITION AT LOCATIONS DISTANT FROM MATERIAL POINT. OVERSPRAY DUST MAY IGNITE SPONTANEOUSLY.

===== Accidental Release Measures =====

Spill Release Procedures:LARGE SPILLS: CLEAN UP PERSONNEL SHOULD WEAR PROTECTIVE BREATHING APPARATUS. DIKE SPILL AREA TO PREVEN

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SPREADING AND PUMP TO SCRAP STORAGE TANK. REMAINING SPILL MAY BE ABSORBED WITH AN INERT ABSORBENT. AS AN ADDED PRECAUTION, REMOVE ALL SOURCES OF IGNITION. SMALL SPILLS: ABSORB WITH AN INERT ABSORBENT AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE REGULATIONS. AVOID BREATHING VAPORS.

Neutralizing Agent:NONE SPECIFIED BY MANUFACTURER.

===== Handling and Storage =====

Handling and Storage Precautions:WARNING, FLAMMABLE. DO NOT STORE ABOVE

100F. KEEP AWAY FROM HEAT, SPARKS, AND FLAMES. VAPORS MAY CAUSE FLASH FIRES. USE WITH ADEQUATE VENTILATION. AVOID BREATHING DUST VAPORS OR MIST. DO NOT GET IN EYES, ON SKIN, ON CLOTHING. WASH THOROUGHLY AFTER HANDLING. KEEP CONTAINER CLOSED WHEN NOT IN USE.

Other Precautions:CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED, SINCE THESE CONTAINERS RETAIN PRODUCT RESIDUE (VAPORS, LIQUIDS AND/OR SOLID). ALL HAZARD PROCEDURES GIVEN IN THIS DATA SHEET MUST BE OBSERV

ED. DO NOT STORE ABOVE 100F. MATERIAL CONTAINS SOME VOLATILE ORGANIC COMPOUNDS WHICH ARE COMBUSTIBLE.

===== Exposure Controls/Personal Protection =====

Respiratory Protection:IF TLV OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED SELF-CONTAINED BREATHING APPARATUS WITH A FULL FACEPIECE OPERATED IN PRESSURE DEMAND MODE IS ADVISED. (SEE YOUR SAFETY EQUIPMENT SUPPLIER).

Ventilation:PROVIDE SUFFICIENT MECHANICAL EXHAUST VENTILATION TO

MAINTAIN EXPOSURE BELOW TLV(S).
Protective Gloves:WEAR CHEMICAL AND SOLVENT GLOVES.
Eye Protection:USE CHEMICAL SPLASH GOGGLES IN COMPLIANCE WITH OSHA REGULATIONS.
Other Protective Equipment:NORMAL WORK CLOTHING COVER ARMS AND LEGS. SOLVENT AND CHEMICAL RESISTANT BOOTS SHOULD BE WORN.
Work Hygienic Practices:WASH THOROUGHLY AFTER HANDLING.
Supplemental Safety and Health
NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT(EVEN JUST RESIDUE) CAN IGNITE EXPLOSIVELY. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT, DUE TO VAPOR PRESSURE BUILDUP.

===== Physical/Chemical Properties =====

HCC:F2
Boiling Pt:B.P. Text:180F TO 302F
Vapor Density:>1
Evaporation Rate & Reference:SLOWER THAN ETHER
Appearance and Odor:NONE SPECIFIED BY MANUFACTURER.
Percent Volatiles by Volume:94

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES
AVOID CONTACT WITH STRONG OXIDIZING AGENTS.
Stability Condition to Avoid:STABLE AT NORMAL ROOM CONDITIONS.
Hazardous Decomposition Products:IF EXPOSED TO EXTREME HEAT PRODUCT MAY FORM CARBON MONOXIDE, CARBON DIOXIDE, AND VARIOUS HYDROCARBONS DUE TO INCOMPLETE COMBUSTION.
Conditions to Avoid Polymerization:AVOID ANY COLLECTION OF SPRAY DUST SUCH AS SWEEPING, FILTERS, DUCTS, ETC.

===== Disposal Considerations =====

Waste Disposal Methods:LIQUID MAY BE RECOVERED BY ANY EPA APPROVED METHOD. ALL SLUDGES AND CONTAMINATED ABSORBENTS MUST BE DISPOSED OF IN AN EPA APPROVED POSTED TOXIC SUBSTANCE LANDFILL.

===== MSDS Transport Information =====

Transport Information:DOT CATEGORY: FLAMMABLE LIQUID, N.O.S., UN 1993, CLASS 3, LABEL DYE BLUE.

===== Regulatory Information =====

SARA Title III Information:SARA LISTED, 313 REPORTABLE: XYLENE, CAS# 1330-20-7; ISOPROPYL ALCOHOL, CAS#67

-63-0; BUTYL BENZYL PHTHALATE,
CAS# 85-68-7; BUTYL CELLOSOLVE, CAS# 111-76-2.

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