

TIOGA COATING CORPORATION -- 51-5-145, TIOTECH BRUSHING BLUE TOOLMAKER --
6850-00-664-9067

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

Product ID:51-5-145, TIOTECH BRUSHING BLUE TOOLMAKER

MSDS Date:04/05/2000

FSC:6850

NIIN:00-664-9067

MSDS Number: CKTJL

=== Responsible Party ===

Company Name:TIOGA COATING CORPORATION

Address:208 QUAKER ROAD

City:ROCKFORD

State:IL

Country:US

Info Phone Num:815-962-4200

Eme

rgency Phone Num:815-962-4200

CAGE:UO037

=== 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-SJ50

CAGE:0PGK2

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:SP0450-01-M-D788

CAGE:0PGK2

Company Name:TIOGA COATING CORPORATION

Address:208 QUAKER ROAD

Box:City:ROCKFOR

D
State:IL
Country:US
Phone:815-962-4200
CAGE:UO037

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Composition/Information on Ingredients
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Ingred Name:ISOBUTYL ACETATE
CAS:110-19-0
RTECS #:AI4025000
= Wt:45.
OSHA PEL:150 PPM
ACGIH TLV:150 PPM
ACGIH STEL:187 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:XYLENE
CAS:1330-20-7
RTECS #:ZE2100000
= Wt:25.
OSHA PEL:100 PPM
ACGIH TLV:100 PPM
ACGIH STEL:150 PPM
EPA Rpt Qty:1000 LBS
DOT Rpt Qty:1000 LBS

Ingred Name:ISOPROPYL ALCOHOL
CAS:67-63-0
RTECS #:NT80
50000
= Wt:10.
OSHA PEL:400 PPM
ACGIH TLV:400 PPM
ACGIH STEL:500 PPM

Ingred Name:ISOBUTYL ISOBUTYRATE
CAS:97-85-8
RTECS #:NQ5250000
= Wt:10.
ACGIH STEL:N/

Ingred Name:ISOBUTYL ALCOHOL
CAS:78-83-1
RTECS #:NP9625000
< Wt:5.
OSHA PEL:50 PPM
OSHA STEL:75 PPM
ACGIH TLV:50 PPM
EPA Rpt Qty:5000 LBS
DOT Rpt Qty:5000 LBS

Ingred Name:BUTYL BENZYL PHTHALATE
CAS:85-68-7
RTECS #:TH9990000
< Wt:5.
OSHA PEL:5 MG/M3
ACGIH TLV:5 MG/M3

A
CAS:111-76-2
RTECS #:KJ8575000
< Wt:5.
OSHA PEL:25 PPM
ACGIH TLV:25 PPM

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

LD50 LC50 Mixture:NOT PROVIDED BY RESPONSIBLE PARTY.
Routes of Entry: Inhalation:YES Skin:YES Ingestion:YES
Health Hazards Acute and Chronic:EYES: 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 D
EPRS SION TO LOSS OF
CONSCIOUSNESS. SWALLOWING: CAN CAUSE GASTRO-INTESTINAL IRRITATION,
NAUSEA, VOMITNG AND DIARRHEA.
Explanation of Carcinogenicity:NOT PROVIDED BY RESPONSIBLE PARTY.
Effects of Overexposure:EYES: 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 DEPRS SION TO LOSS OF CONSCIOUSNESS. SWALLOWING:
CAN CAUSE GASTRO-INTESTI
NAL IRRITATION, NAUSEA, VOMITNG AND
DIARRHEA.
Medical Cond Aggravated by Exposure:NOT PROVIDED BY RESPONSIBLE PARTY.

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

First Aid:IF IN EYES: FLUSH WITH LARGE AMOUNTS OF WATER. GET MEDICAL
ATTENTION. IF ON SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND
WATER. IF BREATHED: IF AFFECTED, REMOVED INDIVIDUAL TO FRESH AIR.
IF BREATHING IS DIFFICULT, ADMINISTER OXYGEN. IF BREATHING HAS
STOPPED, START RESUSCITATIO
N, GET MEDICAL ATTENTION, KEEP
INDIVIDUAL WARM AND QUIET. IF SWALLOWED: DO NOT INDUCE VOMITING.
ASPIRATION OF MATERIAL INTO LUNGS DUE TO VOMITING CAN CAUSE
CHEMICAL PNEUMONITIS, WHICH CAN BE FATAL.

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

Flash Point:=13.9C, 57.F
Lower Limits:1.0
Extinguishing Media:USE NATIONAL PROTECTION ASSOCIATION (NFPA) CLASS B
EXTINGUISHES (CARBON DIOXIDE, DRY CHEMICAL OR FOAM) DESIGNED TO
EXTINGUISH NFPA CLASS I LIQUID FI

RES.

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

Unusual Fire/Explosion Hazard:MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND OR BE MOVED BY VENTILATION AND CAUSE FLASH FIRES OR BE IGNITED EXPLOSIVELY BY PILOT LIGHTS, OTHER FALMES, SPA RKS, HEATER, SMOKING ELECTRIC MOTORS, OR OTHE

R SOURCES OF IGNITION AT LOCATIONS DISTANT FROM MATERIAL POINT.

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

Spill Release Procedures:SMALL SPILLS: ABSORB WITH AN INERT ABSORBENT. AVOID BREATHING VAPORS. LARGE SPILLS: CLEANUP PERSONNEL SHOULD WEAR PROTECTIVE BREATHING APPARATUS. DIKE SPILL AREA TO PREVENT SPREADING AND PUMP TO SCRAP STORAGE TANK, REMAINING SPILL MAY BE ABSORBED WITH AN INERT ABSORBEDNT. AS ADDED PRECAUTION REMOVE ALL SOURCES OF I

GNITION.

Neutralizing Agent:NOT PROVIDED BY RESPONSIBLE PARTY.

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

Handling and Storage Precautions:DO NOT STORE ABOVE 100 DEG F. MATERIAL CONTAINS SOME VOLATILE ORGANIC COMPONENTS WHICH ARE COMBUSTIBLE. CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED.

Other Precautions:SINCE THESE CONTAINERS RETAIN PRODUCT RESIDUES (VAPOR, LIQUID AND/OR SOLID) ALL HAZARD PRECAUTIONS GIVEN IN THIS DATA SHEET MUST BE OBSERVED.

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

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

Ventilation:PROVIDE SUFFICIENT MECHANICAL EXHAUST VENTILATION TO MAINTIAN EXPOSURE BELOW (TLV).

Protective Gloves:WEAR CHEMICAL AND SOLVENT GLOVES. (SEE YOUR SAFE

TY

EQUIPMENT SUPPLIER).

Eye Protection:USE CHEMICAL SPASH GOGGLES.

Other Protective Equipment:NORMAL WORK CLOTHING COVER ARMS AND LEGS.

SOLVENT AND CHEMICAL RESISTANT BOOTS SHOULD BE WORN. (SEE YOUR SAFETY EQUIPMENT SUPPLIER).

Work Hygienic Practices:NOT PROVIDED BY RESPONSIBLE PARTY.

Supplemental Safety and Health

OVERSPRAY DUST MAY IGNITE SPONTANEOUSLY. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM (EVEN EMPTY) BECAUSE PRODUCT MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT, DUE TO VAPOR PRESSURE BUILD-UP.

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

HCC:F2

Boiling Pt:>82.2C, 180.F

B.P. Text:180-302F

Vapor Density:>AIR

Spec Gravity:0.89

Evaporation Rate & Reference:SLOWER THAN ETHER

Appearance and Odor:NOT PROVIDED BY RESPONSIBLE PARTY.

Percent Volatiles by Volume:94

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

Stability Indicator/Materials to Avoid:YES

AVOID CONTACT WITH STRONG OXIDING AGENTS.

Stability Condit

ion to Avoid:STABLE AT NORMAL ROOM CONDITIONS. AVOID

ANY COLLECTION OF SPRAY DUST SUCH AS SWEEPING, FILTERS, DUCTS, ETC.

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:WILL NOT OCCUR.

===== Toxicological Information =====

Toxicological Information:NOT PROVIDED BY RESPONSIBLE PARTY.

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Ecological Information =====

Ecological:NOT PROVIDED BY RESPONSIBLE PARTY.

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

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

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

Transport Information:NOT PROVIDED BY RESPONSIBLE PARTY.

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

SARA Title III Information:NOT PROVIDED BY RESPONSIBLE PARTY.
Federal Regulatory Information:NOT PROVIDED BY RESPONSIBLE PARTY.
State Regulatory Information:NOT PROVIDED BY RESPONSIBLE PARTY.

===== Other Information =====

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