

MATERIAL SAFETY DATA SHEET**CODE: M/L1135**

This Material Safety Data Sheet complies with
the U.S. OSHA Hazard Communication
Standard 29CFR 1910.1200

PRODUCT NAME: DUTCH BOY® TINNING FLUX

NFPA/HMIS HAZARD CODES: HEALTH: 1/1 FIRE: 0/0 REACTIVITY: 0/0 SPECIAL: NA

0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

SECTION I PRODUCT IDENTIFICATION

MANUFACTURER NAME: Taracorp
1690 Lowery St.
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PHONE: 336-777-8600

ISSUE DATE: October 2004

SECTION II INGREDIENTS

COMPONENT	CAS NUMBER	PERCENT	OSHA PEL	ACGIH/TLV
Petroleum	8009-03-8	≤79%	No limit	No limit
Zinc Chloride	7646-85-7	≤16%	1mg/m ³ (fume)	1mg/m ³ (fume)
Tin	7440-31-5	≤5%	2.0 mg/ m ³ (fume)	2.0 mg/ m ³ (fume)

PEL=PERMISSIBLE EXPOSURE LIMIT TLV=THRESHOLD LIMIT VALUE

SECTION III PHYSICAL DATA

APPEARANCE:	Medium brownish yellow paste	BOILING POINT:	N/A
ODOR:	Slight petroleum	VAPOR PRESSURE:	N/A
SOLUBILITY IN H2O:	N/A	PERCENTAGE VOLATILE:	<1
VAPOR DENSITY:	N/A	SPECIFIC GRAVITY:	0.87
MELTING POINT:	140°F		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: 400° F(CLOSED CUP)
FLAMMABLE LIMITS: No data
AUTO IGNITION TEMPERATURE: No data
EXTINGUISHING MEDIUM: Use dry chemical, foam or carbon dioxide.
SPECIAL FIRE FIGHTING PROCEDURES: None
UNUSUAL FIRE & EXPLOSIVE CONDITIONS: None

SECTION V REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: None
INCOMPATIBILITIES: Strong oxidizers, chlorine, turpentine, potassium, cyanide.
HAZARDOUS DECOMPOSITION: Chlorine, hydrogen chloride, carbon monoxide.
HAZARDOUS POLYMERIZATION: Will not occur.

SECTION VI HEALTH HAZARD DATA

EYES: Flush with water for 10 minutes. Obtain immediate medical attention.
SKIN: Wash thoroughly with water. If irritation develops, obtain medical attention.
ACUTE INHALATION: Remove to fresh air or administer oxygen. Obtain immediate medical attention.
INGESTION: Give water or milk. Obtain immediate medical attention.

PRIMARY ROUTES OF ENTRY: Fume inhalation, ingestion, skin and eyes.
SYMPTOMS OF OVEREXPOSURE: Salivation, coughing, choking, chills, may cause weight loss, brittle bones, anemia, and stiff joints.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY OVEREXPOSURE: Any weakness of the lungs, kidneys or liver will be aggravated.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN: None

SECTION VII PROTECTION MEASURES

RESPIRATORY PROTECTION: NIOSH Approved Respirator
VENTILATION: Good general dilution ventilation
PROTECTIVE GLOVES: Recommended for prolonged contact/heat.
EYE PROTECTION: Safety glasses or goggles are recommended
OTHER PROTECTIVE EQUIPMENT: Safety equipment should be worn as appropriate for the work environment- includes, apron, safety goggles.
WORK/HYGIENIC PRACTICES: Wash hands thoroughly after use to prevent exposure to the eyes and skin.

SECTION VIII PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE THIS MATERIAL IS RELEASED OR SPILLED: Normal clean-up procedures are sufficient. Protect skin from exposure during the procedure.
WASTE DISPOSAL METHOD: Permitted landfill, check local ordinances.
PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store below melting temperature: do not expose to heat in storage.
OTHER PRECAUTIONS: None

SECTION IX UNITED STATES SARA TITLE III INFORMATION

This product/mixture contains the following toxic chemical(s) subject to the reporting of Section 313 of the Title of the U.S. Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR part 372. Percent by weight of each toxic chemical abstract system (CAS) number are to be found in Section II of this Material Safety Data Sheet.

CHEMICAL NAME	EHS RQ (LBS)	EH TPQ (LBS)	SEC. 313	313 CATEGORY	311/312 CATEGORIES
	*1	*2	*3	*4	*5
Zinc Chloride	1,000	1,000	yes	yes	H-1

*1=Reportable quantity of extremely hazardous material substance, Section 302

*2=Threshold planning quantity, extremely hazardous substance, Section 302

*3=Toxic chemical list, Section 313.

*4=Chemical category as required by Section 313 (40 CFR 372.42). Subject to annual release reporting requirements.

*5=Hazard category as required by SARA Section 311/312 reporting:

Health H-1=Immediate (ACUTE) Health Hazard
H-2=Delayed (CHRONIC) Health Hazard

Physical P-3= Fire Hazard
P-4= Sudden Release of Pressure Hazard
P-5= Reactive Hazard

SECTION X TRANSPORTATION INFORMATION

Regulatory References: 49CFR 172.101 173.500, 173.510

U.S. Customs Harmonization Number: 28273600005

International (I.M.Q.)

Proper Shipping Name: Zinc Chloride (solid)

Hazard Class: 8

UN: UN2331

Label: Corrosive

SECTION XI ADDITIONAL INFORMATION

This Material Safety Data Sheet is offered solely for your information, consideration and investigation. Taracorp, Inc. provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained in this document. The data in this Material Safety Data Sheet relates only to this product and does not relate to use in combination with any other material or in any process.