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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200. Standard must be consulted for specific requirements.

U.S. Department of Labor
Occupational Safety and Health Administration
(Non-Mandatory Form)
Form Approved
OMB No. 1218-0072

IDENTITY (As Used on Label and List)
TWO-WAY SOLVENT

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I PART #'s 12807 and 3204

Manufacturer's Name CASTLE PRODUCTS INC.	Emergency Telephone Number (716) 881-5500
Address (Number, Street, City, State, and ZIP Code) 235 SURREY RUN	Telephone Number for Information (716) 881-5500
WILLIAMSVILLE, NY 14221	Date Prepared N/A
	Signature of Preparer (optional) N/A

Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
VM & P NAPHTHA CAS #64742-89-8	100ppm	100ppm		
TOULUENE CAS #108-88-3	200 ppm	100ppm		
ETHYLENE GLYCOL N-BUTYL EHTER CAS #111-76-2	50 ppm	25ppm		

Section III — Physical/Chemical Characteristics

Boiling Point 293 DEGREES F	Specific Gravity (H_2O = 1) .809 AT 60 DEGREES F
Vapor Pressure (mm Hg.) NOT DETERMINED	Melting Point N/A
Vapor Density (AIR = 1) GREATER THAN AIR	Evaporation Rate (Butyl Acetate = 1) NOT DETERMINED

Solubility in Water
PARTIAL EMULSIFICATION WILL OCCUR

Appearance and Odor
NON-VISCOUS LIQUID

Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
89.6 DEGREES F	NOT DETERMINED	NA	NA

Extinguishing Media
FOAM, CO_2, DRY CHEMICAL. DO NOT USE DIRECT STREAM. PRODUCT CAN FLOAT AND REIGNITE ON SURF

Special Fire Fighting Procedures
S.C.B.A. IS RECOMMENDED. BUNKER COATS/GEAR IS ALSO RECOMMENDED

Unusual Fire and Explosion Hazards
WATER MAY CAUSE FROTHING. APPLY WITH CAUTION.

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Section V — Reactivity Data

Stability			Conditions to Avoid
	Unstable		
	Stable	XX	STRONG OXIDIZERS. ELIMINATE ALL SOURCES OF IGNITION.

Incompatibility (*Materials to Avoid*)

Hazardous Decomposition or Byproducts
INCOMPLETE COMBUSTION MAY PRODUCE CARBON DIOXIDE/MONOXIDE FUMES

Hazardous Polymerization			Conditions to Avoid
	May Occur		
	Will Not Occur	XX	

Section VI — Health Hazard Data

Route(s) of Entry: Inhalation? Skin? Ingestion?

Health Hazards (*Acute and Chronic*)
EYE AND SKIN: IRRITATION, REDNESS. INHALATION CAN CAUSE CNS DEPRESSION AND LIVER AND KIDNEY DAMAGE

NO CHRONIC HEALTH HAZARDS ARE EXPECTED AT INDUSTRIAL LEVEL.

Carcinogenicity: NTP? IARC Monographs? OSHA Regulated?
THIS PRODUCT IS NOT LEISTED AS A KNOWN CARCINOGEN OR POSSIBLE CARCINOGEN BY OSHA, NTP, IARC.

Signs and Symptoms of Exposure
EYES: IRRITATION, BURNING AND REDNESS. BERMAL: IRRITATION, DRYNESS, BURNING AND ITCHING. INGESTION: DIZZINESS, NAUSEA, VOMITING, CRAMPS. INHALATION: IRRITATION OF RESPIRATION TRAC DIZZINESS, NAUSEA, CNS DEPRESS

Medical Conditions
Generally Aggravated by Exposure

Emergency and First Aid Procedures
EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. DERMAL: WASH WITH WATER AND SOAP AND RINSE FOR 15 MINUTES. INHALATION: REMOVE VICTIM TO FRESH AIR AND GET MEDICAL ATTENTION INGESTION: DO NOT REDUCE VOMITING. GET MEDICAL ATTENTION.

Section VII — Precautions for Safe Handling and Use

Steps to Be Taken in Case Material Is Released or Spilled
DYKE OR PILL AREA. REMOVE ALL SOURCES OF IGNITION. VENTILATE AREA IF NECESSARY. RECOVER FREE LIQUID WITH ABSORBENT PADS OR ABSORBENT MATERIAL.

Waste Disposal Method
IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL LAWS. UNDER EPA/RCRA (40 CFR 261.21) IF DISCARDED THIS PRODUCT BECOMES A HAZARDOUS WASTE. USE FLAMMABLE LIQUID N.O.S. UN 1993 D001

Precautions to Be Taken in Handling and Storing

Other Precautions NOTE TO PHYSICIAN: IF MORE THAN 2 ML PER KG HAS BEEN INGESTED AND VOMITING HAS OCCURED EMESIS SHOULD BE INDUCED WITH SUPERVISION. IF UNCONSCIOUSNESS OCCURS GASTRIC LAVAGE USING ACUFFED ENDOTRACREAL TUBE SHOULD BE CONSIDERED.

Section VIII — Control Measures

Respiratory Protection (*Specify Type*) NIOSH APPROVED RESPIRATOR WITH ORGANIC VAPOR CARTRIDGE. FOR POORLY VENTILATED AREAS A SELF-CONTAINED BREATHING APPARATUS IS RECOMMENDED.

Ventilation		
	Local Exhaust	Special
	Mechanical (*General*)	Other ADEQUATE TO EFFECT MINIMUM EXPOSURE LI

Protective Gloves	Eye Protection
RUBBER	GOGGLES

Other Protective Clothing or Equipment
AS NEEDED TO MINIMIZE EXPOSURE

Work/Hygienic Practices ALWAYS WASH HANDS AND FACE WITH SOAP AND WATER BEFORE EATING OR DRINKING ANYTHING

* USGPO 1986-491-529/45775