



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*)

Carstens Chart Cleaner

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

Manufacturer's Name VENUS LABORATORIES, INC. Midwest Division	Emergency Telephone Number 1-800-592-1900
Address (<i>Number, Street, City, State, and ZIP Code</i>) 855 Lively Blvd. Wood Dale, IL 60191	Telephone Number for Information (630)595-1900
	Date Prepared Revised: 1/25/05

Section II - Hazard Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	%(<i>optional</i>)
Sodium Hydroxide CAS # 1310-73-2 (Caustic Soda)	2mg/M3	2mg/M3	N/A	
2-Butoxyethanol CAS # 111-76-2 (Butyl Cellosolve)	50 ppm (skin)	50 ppm (skin)	N/A	3.7
Methanol CAS # 67-5-61	200 ppm	200 ppm	N/A	1.7
subject to reporting requirement sec. 313 of SARA titleIII of 40 CFR 372.				

Section III - Physical/Chemical Characteristics

Boiling Point	212°F	Specific Gravity (H ₂ O = 1)	1.03
Vapor Pressure (mm Hg.)	N/D	Melting Point	N/A
Vapor Density (AIR = 1)	N/D	Evaporation Rate (Butyl Acetate = 1)	N/D
Solubility in Water	Complete		
Appearance and Odor	Violet liquid, pleasant odor		

Section IV - Fire and Explosion Hazard Data

Flash Point (Method Used) 200°F TCC	Flammable Limits None	LEL	UEL
Extinguishing Media carbon dioxide, dry chemical, foam			
Special Fire Fighting Procedures Use self-contained breathing apparatus.			
Unusual Fire and Explosion Hazards None			

Section V - Reactivity Data

Stability	Unstable		Conditions to Avoid None
	Stable	X	
Incompatibility (<i>Materials to Avoid</i>) Strong Acids			
Hazardous Decomposition or Byproducts Thermal decomposition products include CO, CO₂			
Hazardous Polymerization	May Occur		Conditions to Avoid None
	Will Not Occur	X	

Section VI - Health Hazard Data

Route(s) of Entry:	Inhalation? Yes	Skin? Yes	Ingestion? Yes
Health Hazards (<i>Acute and Chronic</i>) Acute: may cause eye and skin irritation on contact Chronic: none known			
Carcinogenicity:	NTP? N/A	IARC Monographs? N/A	OSHA Regulated? N/A
Signs and Symptoms of Exposure Eye and skin irritation. Dizziness. Headache if inhaled.			
Medical Conditions Generally Aggravated by Exposure None Known			
Emergency and First Aid Procedures Eyes - wash thoroughly with water. If irritation persists, get medical attention. Skin - flush with water Ingestion - consult a physician immediately Inhalation - remove to fresh air.			

Section VII - Precautions for Safe Handling and Use

Steps to Be Taken in Case Material is Released or Spilled Dike and contain spill with inert absorbent. Transfer to container for disposal.
Waste Disposal Method In accordance with federal, state and local regulations.
Precautions to Be taken in Handling and Storing Store in cool, dry area
Other Precautions Keep out of reach of children

Section VIII - Control Measures

Respiratory Protection (<i>Specify Type</i>) NIOSH/MSHA approved respirator		
Ventilation	Local Exhaust If mechanical is inadequate	Special None
	Mechanical (<i>General</i>) Satisfactory	Other None
Protective Gloves Neoprene or Rubber		Eye Protection Face shield or goggles
Other Protective Clothing or Equipment None		
Work/Hygienic Practices Observe good personal hygiene. Wash hands before eating, avoid inhalation or ingestion.		

* U.S.G.P.O.: 1986 - 491 - 529/45775