

20550

IMPORTANT 9585
MATERIAL SAFETY DATA SHEET

READ CAREFULLY BEFORE USING CHEMICAL
 OSHA requires that this form be kept on the
 Product No. SA 9406 M
 Product Name CAFFEINE

24 HOUR EMERGENCY ASSISTANCE
 1-800-424-9300
 HEALTH HAZARD 1
 FLAMMABILITY 1
 REACTIVITY 0

SECTION I
 Chemical Synonyms 1,3,7-Trimethylxanthine
 Formula C₈H₁₀N₂O₂
 C.A.S. No. 58-08-2

SECTION II
 HAZARDOUS INGREDIENTS OF MIXTURES
 PEL % 90-100 None TUV Units Established

SECTION III
 PHYSICAL DATA

Melting Point (°F)	238°C (460°F)	Specific Gravity (4°C=1)	N/A
Boiling Point (°F)	178°C sublimates	Percent Volatile by Volume (%)	0
Vapor Pressure (mm Hg)	N/A	Evaporation Rate (1)	N/A
Vapor Density (Air=1)	N/A		

Solubility in Water Slight (0.1-1%)
 Appearance & Odor White odorless powder or crystals

SECTION IV
 FIRE AND EXPLOSION HAZARD DATA

Flammable Limits in Air % by Volume	N/A	Lower	Upper
Use extinguishing media appropriate for surrounding fire.		N/A	N/A

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Toxic gases of nitrogen oxides produced.

D.O.T. Not Regulated
 Approved by U.S. Department of Labor essentially similar to form OSHA-20

Threshold Limit Value
 None established
 Effects of Overexposure
 No effects of overexposure were documented.
 Harmful if swallowed.
 MAR 29 2007

Emergency and First Aid Procedures
 Call a physician. Eyes/Skin: Flush with water for at least 15 minutes.
 Inhalation: Remove to fresh air.
 Ingestion: If conscious, immediately induce vomiting.

SECTION VI
 REACTIVITY DATA

Stability	Stable <input checked="" type="checkbox"/> Unstable <input type="checkbox"/>	Conditions to Avoid	Heat
Incompatibility (Materials to Avoid)			Strong acids, strong bases.
Hazardous Decomposition Products			Oxides of nitrogen.

Hazardous Polymerization
 May Will Not Occur
 Conditions to Avoid
 N/A

SECTION VII
 SPILL OR LEAK PROCEDURES

Steps to be Taken in Case of Spill or Leak
 Sweep up and carefully place material into clean, dry container and cover. Remove from area. Flush spill area with water.

Waste Disposal Method
 Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of small-quantity only. Dispose in accordance with all applicable federal, state and local environmental regulations.

SECTION VIII
 SPECIAL PROTECTION INFORMATION

Respirator Protection (Specify Type)	NIOSH approved dust mask if dusting occurs.
Ventilation	Appropriate chemical resistant gloves
Other Protective Equipment	Lab coat
Safety glasses	

SECTION IX
 SPECIAL PRECAUTIONS

Avoid contact with eyes, skin and clothing. Wash thoroughly after handling.

Other Precautions
 Read label on container before using. Do not wear contact lenses when working with chemicals.
 Approved by Steven C. Quandt Effective Date 5/7/2004
 For laboratory use only. Not for drug, food or household use. Keep out of reach of children. No information contained herein is intended without warranty of any kind. Employees should use this information only as a supplement to other information gathered by them and make independent determination of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees.