

# MATERIAL SAFETY DATA SHEET

Caffeine

## SECTION 1 . Product and Company Identification

Product Name and Synonym: Caffeine  
Product Code: C0351  
Material Uses:  
Manufacturer: Science Stuff  
1104 Newport Ave  
Austin, TX 78753  
(512) 837-6020  
Entry Date : 5/29/2013  
Print Date: 5/29/2013  
24 Hour Emergency Assistance : Chemtrec 800-424-9300  
Canutec 613-996-6666

Health:	2
Flammability:	1
Reactivity:	0

Hazard Rating:  
Least Slight Moderate High Extreme  
0 1 2 3 4  
NA=Not Applicable NE=Not Established

## SECTION 2 HAZARD IDENTIFICATION

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

## SECTION 3 MIXTURE COMPONENTS

SARA 313	Component	CAS Number	Percent Comp.	Dimension	Exposure Limits
<input type="checkbox"/>	Caffeine	CAS# 58-08-2	100%	W/W	None established

## SECTION 4 FIRST AID MEASURES

May be fatal if inhaled, swallowed or absorbed thru the skin Avoid all contact. Use with adequate ventilation. Wash thoroughly after use. Keep container closed.

FIRST AID: SKIN: Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention

EYES: Wash eyes with plenty of water for at least 15 minutes, lifting lids occasionally. Seek Medical Aid. INHALATION: Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen

INGESTION: If swallowed, induce vomiting immediately after giving two glasses of water. Never give anything by mouth to an unconscious person.

## SECTION 5 FIRE FIGHTING MEASURES

Fire Extinguisher Type: Water spray, Carbon dioxide, dry chemical, powder, foam.  
Fire / Explosion Hazards: Thermal decomposition produces highly toxic fumes.  
Fire Fighting Procedure: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and clothing.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Wear Protective equipment. Sweep up, place in a bag and hold

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for waste disposal.

**SECTION 7 HANDLING AND STORAGE**

Rubber gloves, NIOSH/MSHA-Approved respirator.  
Mechanical exhaust required. Do not get in eyes, on skin,  
on clothing.

**SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

Respiratory Protection: NIOSH/MSHA-approved respirator  
Ventilation  
Local Exhaust   
Mechanical   
Protective Gloves: Wear appropriate gloves to prevent skin exposure  
Eye Protection: Goggles and Face  
Shield  
Other Protective Equipment: Wear appropriate clothing to prevent  
skin exposure

**SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES**

Melting Point:	234 - 236.5 Deg. C	Percent Volatile by Volume:	N/A
Boiling Point:	Information not available	Evaporation Rate	N/A
Vapor Pressure:	Information not available	Evaporation Standard	
Vapor Density:	Information not available	Auto Ignition Temp	Not applicable
Solubility in Water:	Soluble	Lower Flamm. Limit in Air	Not applicable
Appearance /Odors:	White powder, no odor	Upper Flamm. Limit in Air	Not applicable
Flash Point:	N/A		
Specific Gravity:	N/A		

**SECTION 10 STABILITY AND REACTIVITY INFORMATION**

Stability: Stable  
Conditions to Avoid: Avoid contact with incompatible materials.  
Materials to Avoid: Oxidizing materials  
Hazardous Decomposition Products: Toxic fumes of: Carbon Monoxide, Carbon  
Dioxide  
Hazardous polymerization: Will Not Occur  
Conditions to Avoid: None known

**SECTION 11 Toxicological Information**

**SECTION 12 Ecological Information**

**SECTION 13 Disposal Considerations**

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**SECTION 14**                      **Transport Information**

DOT Classification:                      Alkaloid, Solid, n.o.s. (Caffeine), 6.1, UN1544,  
PG III

DOT Regulations may change from time to time. Please consult the most recent D.O.T. regulations.

**SECTION 15**                      **Regulatory Information**

**SECTION 16**                      **Additional Information**

Toxic if inhaled, absorbed through skin and if swallowed. Material may be irritating to mucous membranes and upper respiratory tract. Overexposure by ingestion may result in nervousness, tremors, and insomnia, headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness, and unconsciousness. Avoid contact with eyes. Affects central nervous system and heart. Conditions aggravated/target organs: Central nervous system. Persons with pre-existing eye, skin, or respiratory disorders are more susceptible.

Flammability

Health

Reactivity

**Revisions**

**NFPA**

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