

Snow Business Hollywood

818.884.3009

Material Safety Data Sheet – SnowSticks

1. PRODUCT DATA

IDENTIFICATION: SnowStick (Firework)
 INTENDED USE: To simulate falling snow
 COMPOSITION: 98% Metaldehyde, Acetaldehyde Polymers
 PHYSICAL FORM: Powder packed into a 20mm dia x 200mm long card tube. Supplied individually without labelling.

2. HAZARD IDENTIFICATION

HAZARD CLASSIFICATION:	Highly Flammable	R11
	Harmful by inhalation	R20
	Contact with skin	R21
	Swallowed	R22

HARMFUL EFFECTS OF SUBSTANCES: May be harmful by inhalation, ingestion, or skin absorption. Causes eye and skin irritation, material is irritating to mucous membranes and upper respiratory tract. Ingestion may cause severe abdominal pain, diarrhoea, nausea, vomiting, abrupt rise in body temperature, convulsions and coma.

To the best of our knowledge, the physical and toxicological properties have not been thoroughly investigated.

OES/MEL/ETC

Toxicity Data	LD50
	600 Mg / Kg Dog
	630 Mg / Kg Rat

INTERMEDIATE PRODUCTS: Products of combustion or decomposition, include toxic fumes of carbon monoxide and carbon dioxide.

PREGNANT OR NURSING MOTHERS: Metaldehyde. The chemical contained in pyrotechnic is not listed in FH40/96 as having a risk likely to cause heritable genetic damage, birth defects or cancer.

3. WORK ACTIVITY DETAIL

When snow is required on location, the SnowStick is held in a gloved hand, or placed into a steel 'bucket', or into a SnowStick holder. It is lit like a conventional candle / firework and the resulting pyrotechnic emission is like that of a white ash or flock until the chemical is exhausted.

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A full description of use is detailed in the Working Practice Guideline.

4. SOURCES OF EXPOSURE

STORAGE AND ISSUE: The SnowStick is only taken when required on location, and in quantities that are likely to be used up avoiding the necessity of having to store surplus materials.

DISPOSAL: Disposal is not normally required, stock is only drawn as it is used. Damaged or suspect stock is disposed by incineration in a safe area when all production crew have dispersed.

5. USE / HANDLING OF SUBSTANCES:

As laid down in Working Practice Guideline.

6. EXISTING CONTROL MEASURES

VENTILATION: SnowSticks are designed to be used in the open, if they are to be used in the studio or model stage, full ventilation must be used to clear the resulting smoke and / or particle dust.

PERSONAL PROTECTIVE EQUIPMENT: Heat resistant gloves are recommended. A Martindale mask and protective goggles are advisable particularly when prolonged and extensive use of SnowSticks is undertaken.

OTHER CONTROL MEASURES:

No smoking, eating or drinking is allowed in the work area.

Keep containers closed when not in use.

Kit for location work must include all necessary personal protective equipment plus the basic essentials for dealing with an emergency. i.e. Fire blanket or extinguisher, clean water for eye irrigation and First Aid Kit.

7. EXISTING MONITORING ARRANGEMENTS

WORKPLACE MONITORING: The Crew Chief in charge of pyrotechnic effects is ultimately responsible for the health and safety of everyone concerned. The Crew Chief's judgement of any given situation with regard to safety will determine whether or not an effect can be used.

8. WELFARE & HYGIENE

WELFARE AND HYGIENE PROVISIONS: First Aid Kit for use on location should contain an eye bath and a fresh supply of eye wash solution.

SPECIAL TRAINING: The handling of SnowSticks is strictly limited to those technicians qualified to do so. Qualifications are obtained through specialist training and examinations. Health and safety training is included in the specialist training.

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9. EMERGENCY PROCEDURES

SPILLAGE: SnowSticks are cased units therefore the problem of spillage is not an issue, loose chemicals such as Metaldehyde can be swept up and returned to the bulk of the same chemical or if it is contaminated can be destroyed as disposal, see section 4.

10. FIRST AID:

Skin Contact: Wash thoroughly with soap and water.

Eye Contact: Irrigate with copious amounts of water for 15 minutes, seek medical advice if irritation persists.

Inhalation: Remove to an area not affected by the path of smoke and / or debris particles, seek medical assistance if breathing is irregular or difficult.

Ingestion: Wash out mouth with water, do not induce vomiting, seek medical help.

11. FIRE: If a fire develops in the area of storage or the vehicle carrying SnowSticks, evacuate of the area and warn fire fighters of the presence of Metaldehyde.

12. OTHER CONSIDERATIONS

SUBSTITUTE SUBSTANCES: None:- The continued use of this substance, as described in this assessment is necessary.

Name:	Roland Hathaway	Signature:	
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