

**Material Safety Data Sheet
K-GRIP 701****Maple Leaf Sales II, inc.
Middleville, Michigan****Emergency Number: 1-800-424-9300 (Chemtrec)**

MLS Number: MLS 661101B

MSDS Revision Date: 09/13/2001

Section 1 – Product Identification

K-GRIP 701 Foam & Fabric Aerosol Spray Adhesive

Section 2 – Hazardous Ingredients

Components: Hazardous Components 1% or greater; Carcinogens 0.1% or greater

1. Acetone

CAS# 67-64-1

SARA III List: No

OSHA: 1000 ppm

ACGIH TLV: 750 ppm

Carcinogen: No

2. Hexane

CAS# 110-54-3

SARA III List: Yes

OSHA: 50 ppm

ACGIH TLV: 50 ppm

Carcinogen: No

3. Isobutane / Propane Blend

CAS# 68-476-86-8

SARA III List: No

OSHA: Unknown

ACGIH TLV: Isobutane: 800 ppm, Propane 1

Carcinogen: No

Section 3 – Physical and Chemical Characteristics

VOC: < 55%

Boiling Point: N/E

Specific Gravity: Concentrate Only 0.6-.8

Vapor Pressure: 70 PSIG @ 70° F

Evaporation Rate: >1

Solubility in Water: Negligible

Water Reactive: No

Appearance and Odor: Clear, Organic Solvent Odor

Section 4 – First Aid Measures

Flammability as per Flame Projection Test (16 CFR1500.45)

Extremely Flammable

Limits:

LEL: N/D, UEL: N/D

Extinguishing Media:

Dry chemical, CO2

Unusual Fire and Explosion Hazards:

At elevated temperatures (over 130° F); containers may vent, rupture or burst – releasing flammable vapors.

Section 5 – Health Hazard DataPrimary Routes of Entry:

Inhalation and Skin

Acute Effects:

Liquid is irritating to eyes and skin. Prolonged exposure to skin can cause a burning sensation. Breathing vapors may cause lightheadedness, dizziness, headache, and nausea; in extreme cases, unconsciousness and death.

Chronic Effects:

Prolonged and repeated exposure may produce depression, fatigue, loss of appetite, vomiting, cough, loss of sense of balance, dermatitis, and nerve damage.

Medical Conditions Aggravated by Exposure:

Existing eye, skin or upper respiratory conditions

Emergency and First Aid Procedures:Eye Contact:

Flush with water for 15 minutes, seek medical attention

Skin Contact:

Wash with soap and water, if irritated seek medical attention

Inhalation:

Remove to fresh air. Resuscitate if necessary, get medical attention

Ingestion:

Do not induce vomiting, get medical attention.

Section 6 – Reactivity Data

Stability: Stable

Hazardous Polymerization: Will not occur

Incompatibility:

Strong oxidizing agents

Conditions to Avoid:

Open flames and high heat

Section 7 – Precautions for Safe Handling**Use Respiratory Protection:**

If vapor concentration exceeds TLV, use respirator approved by NIOSH.

Ventilation:

Use ventilation to keep vapor concentrations below TLV.

Eye Protection:

Safety goggles recommended

Waste Disposal Method:

Dispose of in accordance with all Federal, State, and Local regulations.

Steps to be taken in case material is released or spilled:

Remove all sources of ignition. Ventilate spill area to allow solvents to evaporate and collect in suitable containers for disposal. Use appropriate personal protective equipment.

Precautions to be taken in handling and storage:

Store containers in cool, dry area. Do not puncture or incinerate containers.

Section 8 – Control Measures**Respiratory Protection:**

If workplace exposure is exceeded, a NIOSH approved respirator is advised.

Ventilation:

Provide sufficient mechanical ventilation to maintain exposure below PEL.

Eye Protection:

Use chemical splash goggles

Section 9 – Other Information**Disclaimer of Warranty and Other Comments:**

The information contained herein is, to the best of our knowledge and belief, accurate. However, because the conditions of handling and use are beyond our control, we make no guarantee of results, and assume no liability for damages incurred by the use of this material. It is the responsibility of the user to comply with all federal, state, and local laws and regulations.

The responsibility to provide a safe workplace remains with the user. The user should consider the health hazards and safety information contained herein as a guide and should take those precautions required in an individual operation to instruct employees and to develop work practice procedures for a safe work environment.

Abbreviations:

ACGIH: American Conference of Governmental & Industrial Hygienists.

OSHA: Occupational Safety & Health Administration

NIOSH: National Institute for Occupational Safety and Health

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

SARA: Superfund Amendments and Reauthorization Act

TLV: Threshold Limit Value (ACGIH)

PEL: Permissible Exposure Limit (OSHA)

TWA: Time Weighted Average

STEL: Short Term Exposure Limit

ppm: parts per million

mg/cum: milligrams per cubic meter of air

N/D: Not Determined

N/A: Not Applicable

HMIS: Hazardous Materials Identification System

