H.B. Fuller Company

Fuller
WORLD LEADER IN ADHESIVES

MATERIAL SAFETY DATA SHEET FOR: RAPID GRIP GEL

Replaces: October 2006. Date of issue: October 2007

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: RAPID GRIP GEL
Other Names: ADHESIVES containing flammable liquid
Recommended Use: Used in the cabinet making industry for bonding decorative laminates to wood or particleboard. Apply with brush or notched trowel.

Company: H. B. Fuller Company
Address: 16-22 Red Gum Drive, Dandenong South VIC 3175
Telephone: (03) 9797 6222
Emergency Telephone No: 1800 033 111

2. HAZARD IDENTIFICATION

Classified as hazardous according to criteria of NOHSC

Hazard Category:
Xn Harmful
Xi Irritant

Risk Phrase(s):
R11: Highly Flammable.
R20: Harmful by inhalation.
R36/38: Irritating to eyes and skin.
R65: Harmful: May cause lung damage if swallowed.
R67: Vapours may cause drowsiness and dizziness.

Safety Phrase(s)
9: Keep container in a well-ventilated place.
S16: Keep away from sources of ignition-No Smoking
S23: Do not breathe vapour.
S24/25: Avoid contact with skin and eyes.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.
S62: If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

Classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.
Class: 3 Flammable Liquid

Poisons Schedule (Aust): S5
This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

3. COMPOSITION

Ingredients

Chemical Name	CAS #	Proportion (%w/w)
Hazardous constituents		
Toluene	108-88-3	10-30
Acetone	67-64-1	10-30
Solvent Naphtha , hydrotreated light	142-82-5	10-30
Non-hazardous ingredients	-	to 100%

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).
Swallowed: DO NOT induce vomiting. Give 1-2 glasses of water and obtain medical assistance. Should the patient vomit, maintain a clear airway until medical assistance is obtained.
Eye: Hold eyelids apart and flush with water for fifteen minutes or until advised to stop by a doctor or poisons information centre. Obtain immediate medical assistance.
Skin: Wash affected areas with soap and water thoroughly. Remove affected clothing. If swelling, redness, blistering, or irritation occurs seek medical assistance.
Inhaled: Carefully remove persons to fresh air, avoid becoming affected yourself. Allow patient to rest in a comfortable position until fully recovered. If patient is severely affected obtain medical assistance. If the person stops breathing apply artificial respiration and other first aid techniques as required until medical assistance is obtained.
Advice to Doctor :
Oral: - Gastrointestinal irritation, nausea, vomiting and cramping. CNS depression ranging from mild headache to anaesthesia and coma. Pulmonary irritation secondary to exhalation of solvent. Lavage with a cuffed tube if a large quantity is ingested. Aspiration is the main danger. Enforce bed rest & observe carefully & observe for 24 hours for chemical pneumonitis. Longer term medical surveillance may be necessary. Maintain airway & vital functions.
Inhalation: - CNS depression characterised by headache and dizziness that in extreme cases can lead to unconsciousness and death.

5. FIRE FIGHTING MEASURES

Product is FLAMMABLE and does represent a FIRE and EXPLOSION HAZARD. Excessively heated sealed drums may rupture EXPLOSIVELY. Keep containers cool with water spray. On burning may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion.
SOURCES OF IGNITION ADVICE: Avoid all ignition sources. Do NOT smoke. Isolate from of sources of heat, naked flames and sparks, including static discharges. Prevent build up of flammable vapours. Vapour and air mixtures may ignite explosively. Vapour may travel a considerable distance to source of ignition and flash back.
DANGEROUS DECOMPOSITION: Carbon dioxide, carbon monoxide and other unidentified thermal decomposition products
SUITABLE EXTINGUISHING MEDIA: USE Water, Water fog, Foam, CO2 OR Dry Chemical

6. ACCIDENTAL RELEASE MEASURES

Wear rubber gloves and goggles in addition to respiratory protection for protection from splashes and vapours. Extinguish all ignition sources. Dam & recover. Prevent entry into drainage systems, rivers and waterways etc. Collect with absorbent material such as sand, earth or appropriate commercial absorbent. Shovel up with non-sparking tools then PLACE INTO SUITABLE CONTAINERS. Empty containers may contain product residue. Follow safety procedures until container has been cleaned

7. HANDLING AND STORAGE

Handling: Avoid contact with skin and eyes and avoid inhaling vapours.
Store on a wooden pallet away from oxidising agents. Store between 0 and 30ºC. (Should recommended max. storage temperature be exceeded, cool sealed container under running water for 30 minutes before use. Excessively heated sealed tins may rupture EXPLOSIVELY. Keep away from heat, naked flames or sparks including static discharges). Keep containers closed at all times when not in use. This material is classified as a Dangerous Good Class 3 Flammable Liquid (Packaging Group II) as per the criteria of the Australian Dangerous Goods Code and must be stored in accordance with the relevant regulations. This material is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

According to NOHSC 1008[2004]

	TWA ppm	STEL ppm
Toluene	50	150
Acetone	500	1,000
Isomers of Hexane	500	1,000

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which Exposure control/Personal protection continued:

should not be exceeded at any time during a normal eight-hour workday.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept too as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.

Engineering measures: Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local exhaust ventilation or while wearing appropriate respirator. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

Exposure Controls/Personal Protection continued:

Personal protection equipment:
Respiratory Type (AS 1716) Organic Vapour mask if exposed to mist or vapours at upto 10 times the exposure limit.Above this level use air supplied or self contained breating apparatus.

Glove Type: Impervious gloves should be worn to prevent skin contact.Consult Industrial glove supplier for a suitable glove.

Eye: Goggles or face shield to avoid splashes.

Clothing: Sufficient to avoid skin contcat

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Gel
Color	Buff to yellow
Odor	solvent odour
Specific gravity:	Approx. 0.9
Vapour pressure (mm Hg):	Not known
VOC content (Californian South coast air quality management rule 1168)	>300g per litre
Solubility in water	Immiscible
Flash point (°C):	Approx< -25º C
Flammability limits	Upper UEL approx. 7.4% v/v Lower LEL approx. 1.1% v/v
Boiling point	Approx. 55 ºC

10. STABILITY AND REACTIVITY

Reactivity: Stable at normal temperatures and pressure.
Incompatible Materials: Oxidising agents.
Hazardous decomposition products: Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous reactions: No information available.

11. TOXICOLOGICAL INFORMATION

Emergency Overview: Highly flammable, harmful by inhalation, ingestion and by skin and eye contact.
Acute Swallowed: Moderately toxic. Tends to break up into a foam if the patient vomits. Upon aspiration into the lungs, chemical pneumonitis may develop.
Eye: Irritating to the eye.
Skin: Irritating to the skin. Frequent or prolonged contact can cause skin complaints such as Dermatitis.
Inhaled: Irritating to the respiratory system. Prolonged exposure to vapours may cause headaches, impairment of judgement, Central Nervous System depression that in extreme cases can lead to unconsciousness or death.
Toxicological Information continued:

Chronic: Reports exist related to chronic toluene poisoning which indicates bone marrow and liver damage.

Toxicological Information continued:

Acetone: Oral-Rat LD50: 5800 mg/kg

Skin-Rabbit, adult LD50: 20 g/kg
Toluene: Oral Rat LD50 5000 mg/kg
Skin rabbit LD50 12,124 mg/kg
Long term effects: No information available about this product.

12. ECOLOGICAL INFORMATION

Environmental Information: no data available for this product. Do not allow to enter the environment. Waste Material should be collected and disposed of according to the relevant Local/State or Federal Regulations.

13. DISPOSAL

Dispose strictly in accordance with local industrial waste disposal and environmental protection regulation.

14. TRANSPORT INFORMATION

This material is a Class 3 Flammable Liquid according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
Proper Shipping Name: Adhesive containing flammable liquid
U.N. NO.: 1133
DANGEROUS GOODS CLASS: 3
SUBSIDIARY RISK: None Allocated
HAZCHEM CODE: 3(Y)E
Packaging Group: 11I

15. REGULATORY INFORMATION

Poisons Schedule (Aust): S5

All components of this material are registered with Nicnas and appear on the AICS.

16.OTHER INFORMATION

Contact point: Technical Manager (03) 9797 6222

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular, how to safely handle and use the product in the workplace. Since H.B. Fuller Company Australia Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request.