



GRANWAX
Products Limited

MATERIAL SAFETY DATA SHEET

Product name: **360 Adhesive**

Reviewed date: June 2009

Reviewed by MC

1. Identification of substance

Substance: **360 Adhesive**
Supplier: Granwax Products Limited
West Street
Riddings, Alfreton
Derbyshire DE55 4EW
Telephone: 01773 541177 Fax: 01773 541429
This revision: June 2009

2. Composition/Data on components

Composition and classification of potentially hazardous components.

| <u>Component</u> | <u>Concentration range</u> | <u>Classification</u> | <u>Risk Phrase</u> |
|--|----------------------------|-----------------------|--|
| Methyl Acetate CAS 79-20-9 Einics:201-185-2 | 2.5 -10% | Xi | R11-36-66-67 Danger Flame Exclamation mark 3.3/2,3.8/3 |
| Acetone CAS 67-64-1 Einics: 200-662-2 | 2.5 -10% | Xi,F | R11-36-66-67 Danger Flame Exclamation mark 3.3/2,3.8/3 |
| Ethanol CAS:64-17-5 | 2.5 – 10% | F | R11 Danger Flame 2.6/2 |
| Diisobutyl phthalate | 2.5 - 10% | | |

From HSE Doc. EH 40/2008.

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3. Hazards identification

Has a narcotizing effect.
R11 Highly Flammable

H225 Highly flammable liquid and vapour
H336 May cause drowsiness or dizziness.

P210 Keep away from heat/spark/open flames/hot surfaces – NO SMOKING
P233 Keep Container tightly closed
P240 Ground/bond container and receiving equipment
P241 Use explosion proof electrical/ventilating/lighting/equipment
P242 Use only non sparking tools
P243 Take precautionary measures against static discharge
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
P271 Use only outdoors or in a well ventilated area
P280 Wear protective gloves/protective clothing/eye protection/face protection

4. First aid measures

Skin exposure: If soreness or irritation occurs as the result of skin exposure, wash the affected area with soap or mild detergent and water. Remove contaminated clothing. If symptoms persist seek medical advice. Prolonged or repeated contact may cause short term irritation, de-fatting of the skin and could cause dermatitis.

Eye splashes: If the material is splashed into the eye, wash the affected eye with clean running water for at least 15 minutes. Seek medical advice.

Swallowing (ingestion): If material is accidentally swallowed, do not make patient vomit, seek medical advice. This information should be taken with the patient when seeking medical advice.

Inhalation: Move patient to fresh air. If patient is unconscious, place in the recovery position and seek medical help immediately. Do not give patient anything to drink.

CALL FOR MEDICAL ASSISTANCE IF YOU FEEL UNWELL



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5. Fire fighting measures

Use dry powder , CO2 or foam.
This material is FLAMMABLE and will produce smoke containing hazardous combustion products.

6. Accidental release measures

Spillages should be contained with a non-combustible absorbent material and collected for disposal in accordance with the local regulations. Do not place in sealed containers.
Spillages should not be allowed to run to surface waters pits or cellars. PPE must be worn.

7. Handling & storage

Store in a cool, well ventilated area away from heat and naked flame , protect from static charges.
Keep container tightly sealed
All chemical preparations should be stored securely where they cannot be interfered with or used by unauthorised persons.

8. Exposure controls & personal protection

| | | |
|------------------------------|-----|--|
| 79-20-9 methyl Acetate | WEL | short term 770mg/m3, 250 ppm Long term 616mg/m3,200 ppm |
| 67-64-1 acetone | WEL | short term 3620mg/m3, 1500 ppm Long term 1210mg/m3, 500 ppm |
| 64-17-5 ethanol | WEL | short term 1920mg/m3, 1000 ppm |
| 84-69-5 diisobutyl phthalate | WEL | long term 5mg/m3 |

Personal Protective Equipment

Use respiratory protection at all times. If exposure prolonged wear self contained respiratory protective device.

Use tightly sealed protective goggle.

Wear Butyl Hand protection.

Wear suitable overalls.

Hygeine:

Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work
Avoid contact with eyes and skin
Do not inhale gases/fumes/vapours



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9. Physical and chemical properties

| | | | |
|-----------------------|-----------------|--|------------------------------|
| Appearance: | Fluid | Odour | Solvent |
| pH: | Not Applicable | Boiling point / range: | 55 deg.C |
| Melting point / range | below 0 deg. C | Flash point: | Not applicable |
| Flammability | Flammable | Autoflammability: | Not applicable |
| Explosive properties | Vapour mixtures | Oxidising properties: | none |
| Vapour pressure | 220 hPA | Relative density: | Approx. 1.5g/cm ³ |
| Solubility | fully miscible | Partition coefficient: n-octanol / water | Not determined |
| Solvent Content | 22% | Solids Content | 76.9% |

10. Stability and reactivity

Thermal decomposition/conditions to be avoided: No decomposition if used according to specifications.

Dangerous Reaction: No dangerous reactions known.

Dangerous decomposition products: No dangerous decomposition products known.

11. Toxicological information

Acute Toxicity:

Primary irritant effect None on either skin or in eyes:

No sensitizing effects known.

12. Ecological information

Class WKG1 Slight water hazard.

13. Disposal considerations

This product is classified as Harmful/Flammable. Any surplus or waste arising from the normal use of this product must be disposed of in accordance with the local special waste regulations.



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14. Transport information

| | |
|-------------------------|--|
| ADR/RID class: | 3 Flammable liquids |
| Danger Code (Kemier) | 33 |
| UN Number | 1133 |
| Packaging Group | III |
| Hazard Label | 3 |
| Description of goods | 1133 Adhesives, special provision 640H |
| Limited Quantities (LQ) | LQ7 |
| Transport category | 3 |
| Tunnel restriction code | D/E |

Maritime transport IMDG

| | |
|----------------------|-----------|
| IMDG Class | 3 |
| UN Number | 1133 |
| Packaging Group | III |
| EMS number | F-E,S-D |
| Marine pollutant | No |
| Proper shipping name | ADHESIVES |

Air Transport ICAO-TI and IATA-DGR

| | |
|-----------------------|--------------------------|
| ICAO/IATI Class | 3 |
| UN Number | 1133 |
| Hazard Label | 3 |
| Packaging Group | III |
| Proper shipping name | ADHESIVES |
| UN "Model Regulation" | UN1133, ADHESIVES,3, III |

15. Regulatory information

Code Letter and hazard designation: F Highly Flammable

Risk Phrases: R11 Highly flammable, R67 Vapours may cause drowsiness and dizziness.

Safety Phrases: 2 keep out of the reach of children, 23 Do not breathe vapours, 24/25 avoid contact with skin and eyes. 29 do not empty into drains, 46 if swallowed seek medical advice immediately and show this container or label. 51 use only in well ventilated areas. 60 This material and its container must be disposed of as hazardous waste.



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16. Other information

No other safety information is applicable to the use of this preparation for its intended purpose