



Material Safety Data Sheet

According to the Regulation 1907/2006/EC (Annex II) (REACH)

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY/UNDERTAKING

PRODUCT NAME & CODE: Grabfast MCF
USE OF THE SUBSTANCE: Industrial adhesive
MANUFACTURES NAME: Gemini Adhesives Ltd.
New Building, Top Road,
Osgathorpe,
Leics,
LE12 9TB
United Kingdom
TELEPHONE: 01530 224712
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2. HAZARDS IDENTIFICATION

Danger Classification: Harmful – Extremely Flammable
Receptacle vapours are flammable and may burn if exposed to sources of ignition.
Vapours harmful do not breathe vapours

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substances presenting a health or environmental hazard

HAZARDOUS COMPONENTS	CAS-No.	SYMBOL-LETTER	RISK PHRASES	CONCENTRATION
N-Hexane	110-54-3	Xn	R48/20, R62 R52/53	25-30%
Methyl Ethel Ketone	78-93-3		R11, R36, R66, R67	5%
Butane	106-97-8	F	R12	10-15%
Isobutane	75-28-5	F+	R12	10-15%

The Full Text for all R-Phrases are Displayed in Section 16

4. FIRST AID MEASURES

INHALATION: Move person to uncontaminated atmosphere. If not breathing, administer artificial respiration. If breathing is difficult, administer oxygen. Get medical attention.

EYES CONTACT: Wash with large amounts of water for at least 15minutes, then get medical attention.

SKIN CONTACT: Remove contaminated clothing and flush exposed areas with water for 15 minutes. Do not rub. If irritation persists contact physician. (Skin reaction may take 24 - 48 hours to develop.)

INGESTION: Do not induce vomiting, get immediate medial attention.

5. FIRE-FIGHTING MEASURES

EXTINGUISHER MEDIA: Dry Chemical, CO2.

NOT TO BE USED: Full Water jet

UNUSUAL FIRE & EXPLOSION HAZARDS: At elevated temperatures (over 50oC), receptacles may vent, rupture or burst, releasing flammable vapours.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may yield carbon monoxide, Hydrogen Chloride, Phosgene and Chloride.

SPECIAL FIREFIGHTING EQUIPMENT: Pressure - demand, self - contained respiratory protection should be provided for fire fighters in buildings or other confined areas.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS: Use suitable respiratory protective equipment & protective gloves. No smoking or sources of ignition

ENVIRONMENTAL PRECAUTIONS: Do not empty into drains/water courses. Ventilate spill area.

SPILL CLEAN UP METHODS: Soak up with absorbent materials and collect in suitable containers for correct disposal.

7. HANDLING AND STORAGE

HANDLING: Do not puncture or incinerate containers.

STORAGE: Store containers in a cool dry area away from sources of ignition.

SPECIFIC USE: Keep away from food

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE LIMIT VALUES:

MAXIMUM EXPOSURE LIMITS:		
	Long Term Exposure (8 hour TWA)	Short Term Exposure (15min)
N-Hexane	20 ppm - 72mg/m ³	Not listed
Methyl Ethel Ketone	200 ppm - 600 mg/m ³	300 ppm - 899 mg/m ³
Butane	600 ppm - 1450 mg/m ³	750 ppm - 1810 mg/m ³
Isobutane	600 ppm - 1450 mg/m ³	750 ppm - 1810 mg/m ³

Exposure should be kept below the MEL as is reasonably practicable.

VENTILATION: Ensure adequate ventilation. Local exhaust recommended.

RESPIRATORY PROTECTION: Not required if adequate ventilation. If ventilation is not adequate, a suitable respirator and cartridge should be used.

HAND PROTECTION: Impervious gloves recommended.

EYE PROTECTION: Goggles/ face shields or glasses recommended.

OTHER: General good housekeeping is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear or blue colour

ODOUR: Organic solvent odour.

BOILING POINT: N/E

SPECIFIC GRAVITY: 0.68 - 0.72

FLASH POINT: Extremely flammable, receptacle contains more than 250g of flammable substances.

VAPOUR PRESSURE: 70PSIG @ 21.1C

EVAPORATION RATE :> 1

VAPOUR DENSITY (AIR = 1) >1

(nButyl Acetate = 1)

SOLUBILITY IN WATER: Negligible

REACTIVITY IN WATER: None

FLAMMABLE LIMITS IN AIR (% BY VOLUME) LOWER: N/E UPPER: N/E

AUTO-IGNITION TEMPERATURE: N/A

10. STABILITY AND REACTIVITY

STABILITY: Stable

CONDITIONS TO AVIOD: avoid heat, flames and other sources of ignition

MATERIALS TO AVIOD: Strong oxidising agents.

HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

MAIN ROUTES OF ENTRY: Inhalation, Skin.

SIGNS & SYMPTOMS OF EXPOSURE:

ACUTE EXPOSURE: Liquid is irritating to eyes and skin. Prolonged exposure to skin can cause a burning sensation. Breathing vapours may cause light-headedness, dizziness, headaches, nausea and in extreme cases, unconsciousness or death.

CHRONIC OVER EXPOSURE: Prolonged and repeated exposure to high concentrations above recommended exposure limits may affect kidneys, lungs, liver.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Pre-existing eye, skin, respiratory disorders may be aggravated by exposure to this product. An occasional patient may exhibit an allergic reaction with erythema, hives, respiratory difficulties or other symptoms.

12. ECOLOGICAL INFORMATION

This compound is not considered an ozone depleting substance. Other ecological effects such as mobility and degradability have not been established.

13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all local, Regional, National and EU regulations. Receptacles must be empty and pierced through disc near neck for disposal.

14. TRANSPORT INFORMATION

Must be transported in accordance with carriage of dangerous goods (road and rail) and Classification packaging and labelling regulations. 2003. and ADR

UN No. UN3161

Classification: 2.1

Transport Category: 2

Label: Flammable Gas.

15. REGULATORY INFORMATION

LABELING



HARMFUL



EXTREMELY FLAMMABLE



HARMFUL TO THE ENVIRONMENT

SOURCES OF INFORMATION

The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009

Registration, Evaluation, Authorisation and restriction of Chemicals (REACH)

Control of Substances Hazardous to Health Regs 2002 (EH40 List)

The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009

European Chemical Substances Information System

16. OTHER INFORMATION

REVISION COMMENTS: The data sheet will be reviewed as soon as new hazard information or information that may affect the risk management measures becomes available

ISSUE DATE: 14th November 2012

REVISION DATE: 14th November 2013

SAFETY DATA SHEET STATUS: 1.

RISK PHRASES:

R11 Highly Flammable

R12 Extremely Flammable

R36 Irritating to eyes

R48/20 Harmful: danger of serious damage to health by prolonged exposure through inhalation

R52/53 Harmful to aquatic organisms, may cause long term adverse effects in the aquatic environment

R62 Possible risk of impaired fertility

R66 Repeated exposure may cause skin dryness or cracking

R67 Vapours may cause drowsiness and dizziness

SAFETY PHRASES:

S2 Keep out of reach of children.

S9 Keep container in a well-ventilated area

S16 Keep away from sources of ignition - no smoking

S29 Do not empty into Drains

S33 Take precautionary measures against static discharges

S36, 37 Wear suitable protective clothing and gloves

S61 Avoid release to the environment Refer to special instructions/safety data sheet

S62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label

DISCLAIMER:

The information in this MSDS is based on data made available to us by suppliers and is believed to be correct.

However, the information is provided without any representation or warranty. Expressed or implied, regarding the accuracy or completeness, or the results to be obtained from the use thereof.

The person receiving this information shall make his own determination as to the suitability of the product for his particular purpose and shall assume the risk for his use thereof.