

1131654	RS_FP_600400	GSMM Medium 1086	BKT33LB
Product specification	RS_FP_600400	Revision Date	05/03/2016
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**SECTION 1. IDENTIFICATION**

Product name : GSMM Medium 1086 BKT33LB  
000000000001131654

Product code : RS\_FP\_600400

**Manufacturer or supplier's details**

Company name of supplier : Ferro Corporation

Address : 6060 Parkland Blvd. Suite 250  
Mayfield Heights OH 44124-4185

Telephone : (216) 875-5600

Disposal considerations : Dispose of wastes in an approved waste disposal facility.

**Emergency telephone number**

CHEMTREC In-Country : (800)424-9300

Number

CHEMTREC Global Number : +(1)-703-527-3887(Call Collect)

**Recommended use of the chemical and restrictions on use**

Recommended use : Industrial use

Restrictions on use : Reserved for industrial and professional use.

**SECTION 2. HAZARDS IDENTIFICATION****GHS Classification**

Flammable liquids : Category 4

Skin irritation : Category 2

Aspiration hazard : Category 1

**GHS Label element**

Hazard pictograms :



Signal word : Danger

Hazard statements : H227 Combustible liquid.  
H304 May be fatal if swallowed and enters airways.  
H315 Causes skin irritation.

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces. -

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No smoking.  
 P264 Wash skin thoroughly after handling.  
 P280 Wear protective gloves/ eye protection/ face protection.  
**Response:**  
 P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/ physician.  
 P302 + P352 IF ON SKIN: Wash with plenty of soap and water.  
 P331 Do NOT induce vomiting.  
 P332 + P313 If skin irritation occurs: Get medical advice/ attention.  
 P362 Take off contaminated clothing and wash before reuse.  
 P370 + P378 In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.  
**Storage:**  
 P403 + P235 Store in a well-ventilated place. Keep cool.  
**Disposal:**  
 P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards**

None known.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture  
 Chemical nature : oil/terpene/balsame/wax/resin, synthetic polymer

**Hazardous components**

Chemical Name	CAS-No.	Concentration (%)
pine oil	8002-09-3	>= 70 - < 90

**SECTION 4. FIRST AID MEASURES**

General advice : Consult a physician.  
 If inhaled : Remove to fresh air.  
 If unconscious place in recovery position and seek medical advice.  
 Never give anything by mouth to an unconscious person.  
 In case of skin contact : Wash off immediately with soap and plenty of water.  
 If a person feels unwell or symptoms of skin irritation appear, consult a physician.  
 In case of eye contact : Rinse immediately with plenty of water and seek medical advice.  
 If swallowed : Do NOT induce vomiting.  
 Rinse immediately with plenty of water and seek medical advice.

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Most important symptoms and effects, both acute and delayed : May be fatal if swallowed and enters airways.  
Causes skin irritation.

## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media : Do not use a solid water stream as it may scatter and spread fire.

Specific hazards during firefighting : Exposure to decomposition products may be a hazard to health.  
Do not allow run-off from fire fighting to enter drains or water courses.

Further information : Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Ensure adequate ventilation.  
Follow safe handling advice and personal protective equipment recommendations.

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Prevent product from entering drains.

Methods and materials for containment and cleaning up : Sweep up and shovel into suitable containers for disposal.  
Clean contaminated floors and objects thoroughly while observing environmental regulations.

## SECTION 7. HANDLING AND STORAGE

Advice on safe handling : Do not get in eyes or mouth or on skin.  
For personal protection see section 8.  
Smoking, eating and drinking should be prohibited in the application area.  
Do not use in areas without adequate ventilation.  
Keep away from heat and sources of ignition.

Conditions for safe storage : Keep in a dry, cool and well-ventilated place.

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## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

Contains no substances with occupational exposure limit values.

**Engineering measures** : Apply technical measures to comply with the occupational exposure limits.  
Provide adequate ventilation.

### Personal protective equipment

**Respiratory protection** : When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

**Hand protection**  
**Material** : Protective gloves

**Eye protection** : Safety glasses with side-shields  
Ensure that eyewash stations and safety showers are close to the workstation location.

**Protective measures** : Wear suitable protective equipment.  
Avoid contact with skin.  
When using do not eat, drink or smoke.

**Hygiene measures** : Remove contaminated clothing and protective equipment before entering eating areas.  
Wash hands before breaks and immediately after handling the product.

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## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance** : liquid

**Colour** : amber

**Odour** : aromatic

**Odour Threshold** : No data available

**pH** : No data available

**Melting point/range** : No data available

**Boiling point/boiling range** : 100 °C

**Flash point** : 80 °C  
Method: ASTM D 93, Pensky-Martens closed cup

**Evaporation rate** : No data available

**Upper explosion limit** : No data available

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Lower explosion limit	: No data available
Vapour pressure	: No data available
Relative vapour density	: No data available
Relative density	: 0.93
Density	: 0.93 g/cm3
Bulk density	: 7.75 lb/gal
Solubility(ies)	
Water solubility	: insoluble
Partition coefficient: n-octanol/water	: No data available
Auto-ignition temperature	: not determined
Thermal decomposition	: No data available
Viscosity	
Viscosity, kinematic	: No data available
VOC	: 89 %
Oxidizing properties	: No data available
Refractive index	: No data available

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## SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No data available
Chemical stability	: No data available
Possibility of hazardous reactions	: No data available
Conditions to avoid	: Incompatible materials
Incompatible materials	: Incompatible with oxidizing agents. Incompatible with strong acids and bases.
Hazardous decomposition products	: Carbon oxides

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## SECTION 11. TOXICOLOGICAL INFORMATION

**Information on likely routes of exposure**  
inhalation (dust/mist/fume)  
inhalation (vapour)

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Skin  
Eye contact  
Ingestion

**Acute toxicity**

Not classified based on available information.

**Components:****pine oil:**

Acute oral toxicity : LD50 Oral (Rat): 5,180 mg/kg

**Skin corrosion/irritation**

Causes skin irritation.

**Components:****pine oil:**

Species: Rabbit  
Assessment: Irritating to skin.  
Method: Draize Test  
Result: Irritating to skin.

**Serious eye damage/eye irritation**

Not classified based on available information.

**Respiratory or skin sensitisation**

Skin sensitisation: Not classified based on available information.  
Respiratory sensitisation: Not classified based on available information.

**Germ cell mutagenicity**

Not classified based on available information.

**Components:****pine oil:**

Genotoxicity in vitro : Test Type: in vitro assay  
Test species: Salmonella typhimurium  
Result: negative

**Carcinogenicity**

Not classified based on available information.

**Components:****pine oil:**

Species: Mouse  
Application Route: dermal

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or

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equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive toxicity**

Not classified based on available information.

**STOT - single exposure**

Not classified based on available information.

**STOT - repeated exposure**

Not classified based on available information.

**Aspiration toxicity**

May be fatal if swallowed and enters airways.

**Components:****pine oil:**

May be fatal if swallowed and enters airways.

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**SECTION 12. ECOLOGICAL INFORMATION****Ecotoxicity**

No data available

**Persistence and degradability****Components:****pine oil:**

Biodegradability : Remarks: No data available

**Bioaccumulative potential****Components:****pine oil:**

Bioaccumulation : Remarks: No data available

Partition coefficient: n-octanol/water : log Pow: 1.7

**Mobility in soil****Components:****pine oil:**

Distribution among environmental compartments : Remarks: No data available

**Other adverse effects**

No data available

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### SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal methods

Waste from residues : Dispose of wastes in an approved waste disposal facility.

### SECTION 14. TRANSPORT INFORMATION

#### International Regulation

##### UNRTDG

Not regulated as a dangerous good

##### IATA-DGR

Not regulated as a dangerous good

##### IMDG-Code

Not regulated as a dangerous good

#### Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

#### National Regulations

##### 49 CFR DOT

UN/ID/NA number : NA 1993  
 Proper shipping name : Combustible liquid, n.o.s.  
 (pine oil)  
 Class : CBL  
 Packing group : III  
 Labels : NONE  
 ERG Code : 128  
 Marine pollutant : no  
 Remarks : Above applies only to containers over 119 gallons or 450  
 liters. Not regulated if shipped in packages less than or equal  
 to 119 gallons (450 liters).

### SECTION 15. REGULATORY INFORMATION

**TSCA list** : TSCA 5a - Not relevant  
 TSCA\_12b - Not relevant

**SARA 311/312 Hazards** : Fire Hazard  
 Acute Health Hazard

**SARA 302** : No chemicals in this material are subject to the reporting  
 requirements of SARA Title III, Section 302.



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**SARA 313** : This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Massachusetts Right To Know**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right To Know**

This product contains components that are reportable under the regulation.

**New Jersey Right To Know**

This product contains components that are reportable under the regulation.

**California Prop 65**

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**The components of this product are reported in the following inventories:**

CH INV	: Not in compliance with the inventory
TSCA	: On TSCA Inventory
DSL	: All components of this product are on the Canadian DSL.
AICS	: On the inventory, or in compliance with the inventory
NZIoC	: On the inventory, or in compliance with the inventory
ENCS	: Not in compliance with the inventory
ISHL	: Not in compliance with the inventory
KECI	: On the inventory, or in compliance with the inventory
PICCS	: On the inventory, or in compliance with the inventory
IECSC	: On the inventory, or in compliance with the inventory

**Inventories**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA), CH INV (Switzerland), MY INV (Malaysia), TR INV (Turkey), TW INV (Taiwan)

**SECTION 16. OTHER INFORMATION**

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