# 1. PRODUCT AND COMPANY IDENTIFICATION

<table>
<thead>
<tr>
<th>WHMIS</th>
<th>PPE</th>
<th>Transport Symbol</th>
</tr>
</thead>
</table>

**Revision Date:** 05-Nov-2012  
**Revision Number:** 5

**Product Name**  
AF-0036 (FM-36)

**Manufactured by:**  
Dural, a division of Multibond, Inc.  
550 Marshall Avenue  
Dorval, Quebec  
Canada H9P 1C9

**Emergency Contact Number**  
CANUTEC (613) 996-6666

**Telephone for Information**  
(514) 636-6230

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## 2. HAZARDS IDENTIFICATION

**Appearance** White  
**Physical State** Paste  
**Odor** Mild

**OSHA Regulatory Status**  
This material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200)

**Potential Health Effects**  
**Principle Routes of Exposure**  
Eye contact, Skin contact, Inhalation, Ingestion.

**Acute Toxicity**  
**Eyes** May cause slight irritation.  
**Skin** May cause irritation.  
**Inhalation** May cause irritation.  
**Ingestion** Ingestion may cause stomach discomfort.

**Chronic Effects**  
**Chronic Toxicity** No known effect

**Aggravated Medical Conditions** None known

**Environmental Hazard** See Section 12 for additional Ecological Information
3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Hazardous Components</th>
<th>CAS-No</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>25 - 30</td>
</tr>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic</td>
<td>64742-88-7</td>
<td>1 - 5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
</table>
| Calcium Carbonate 1317-65-3 (25 - 30) | TWA: 15 mg/m³  
TWA: 5 mg/m³  
(vacated) TWA: 15 mg/m³  
(vacated) TWA: 5 mg/m³ | |

4. FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes
Skin Contact: Wash skin with soap and water
Inhalation: Move to fresh air
Ingestion: Clean mouth with water and afterwards drink plenty of water
Notes to Physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Flammable Properties: Not flammable
Suitable Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO₂), or foam
Hazardous Combustion Products: Carbon oxides

Protective Equipment and Precautions for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

NFPA Health Hazard 1  Flammability 0  Stability 0  Physical and Chemical Hazards N/A

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear protective gloves/clothing and eye/face protection
Methods for Containment: Prevent further leakage or spillage if safe to do so
Methods for Cleaning Up: Pick up and transfer to properly labeled containers
7. HANDLING AND STORAGE

Handling
Handle in accordance with good industrial hygiene and safety practice

Storage
Keep containers tightly closed in a dry, cool and well-ventilated place

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines
This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>NIOSH IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td></td>
<td>TWA: 15 mg/m³</td>
<td>TWA: 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 15 mg/m³</td>
<td>TWA: 5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(vacated) TWA: 5 mg/m³</td>
<td></td>
</tr>
</tbody>
</table>

Engineering Measures
Showers
Eyewash stations
Ventilation systems

Eye/Face Protection
Eye protection

Skin and Body Protection
Wear protective gloves/clothing

Respiratory Protection
If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn

Hygiene Measures
Handle in accordance with good industrial hygiene and safety practice

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Appearance</th>
<th>White</th>
<th>Physical State</th>
<th>Paste</th>
</tr>
</thead>
<tbody>
<tr>
<td>Odor</td>
<td>Mild</td>
<td>pH</td>
<td>9.0 - 10.0</td>
</tr>
<tr>
<td>Flash Point</td>
<td>Not applicable</td>
<td>Autoignition Temperature</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Boiling Point/Range</td>
<td>Not applicable</td>
<td>Melting Point/Range</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Freezing point</td>
<td>Not applicable</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Explosion Limits</td>
<td>Not applicable</td>
<td>Flammability Limits in Air</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.30</td>
<td>VOC Content</td>
<td>&lt;40 g/L</td>
</tr>
<tr>
<td>Viscosity</td>
<td>60,000 - 70,000 cps</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability
Stable under recommended storage conditions

Incompatible Products
Strong oxidizing agents.

Conditions to Avoid
None known based on information supplied

Hazardous Decomposition Products
Carbon monoxide (CO). Carbon dioxide (CO₂).

Hazardous Reactions
Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

_____________________________________________________________________________________________
Product Information
Product does not present an acute toxicity hazard based on known or supplied information

Irritation
Repeated or prolonged exposure may cause irritation of eyes and skin

<table>
<thead>
<tr>
<th>Components</th>
<th>LD50 Oral</th>
<th>LD50 Dermal</th>
<th>LC50 Inhalation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic</td>
<td>5000 mg/kg (Rat)</td>
<td>3000 mg/kg (Rabbit)</td>
<td>5.28 mg/L (Rat) 4 h</td>
</tr>
</tbody>
</table>

Chronic Toxicity

Carcinogenicity
Contains no ingredient listed as a carcinogen

12. ECOLOGICAL INFORMATION

Ecotoxicity
The environmental impact of this product has not been fully investigated

<table>
<thead>
<tr>
<th>Components</th>
<th>Toxicity to Algae</th>
<th>Toxicity to Fish</th>
<th>Microtox</th>
<th>Daphnia Magna (Water Flea)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent naphtha (petroleum), medium aliphatic</td>
<td>EC50 = 450 mg/L 96 h</td>
<td>LC50= 800 mg/L Pimephales promelas 96 h</td>
<td>EC50 &gt; 100 mg/L 48 h</td>
<td></td>
</tr>
</tbody>
</table>

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method
Dispose of contents/container in accordance with local regulation

14. TRANSPORT INFORMATION

DOT
Not regulated

TDG
Not regulated

MEX
Not regulated

IATA
Not regulated

IMDG/IMO
Not regulated

15. REGULATORY INFORMATION

International Inventories
TSCA
Complies

DSL
Complies

EINECS/ELINCS
Does not Comply
U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

<table>
<thead>
<tr>
<th>Hazard Category</th>
<th>Does not Comply</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Chronic Health Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Fire Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Sudden Release of Pressure Hazard</td>
<td>No</td>
</tr>
<tr>
<td>Reactive Hazard</td>
<td>No</td>
</tr>
</tbody>
</table>

Clean Water Act
This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61)
This product does not contain any substances regulated as hazardous air pollutants (HAPS) under Section 112 of the Clean Air Act Amendments of 1990

CERCLA
This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

U.S. State Regulations

California Proposition 65
This product does not contain any Proposition 65 chemicals.

U.S. State Right-to-Know Regulations

<table>
<thead>
<tr>
<th>Components</th>
<th>Massachusetts</th>
<th>New Jersey</th>
<th>Pennsylvania</th>
<th>Illinois</th>
<th>Rhode Island</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
</tr>
</tbody>
</table>

International Regulations

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen Status</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcium Carbonate</td>
<td></td>
<td>Mexico: TWA= 10 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mexico: STEL= 20 mg/m³</td>
</tr>
</tbody>
</table>

Canada
This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
Non-controlled

16. OTHER INFORMATION
Prepared By
Verified by Quality Control Department

Revision Date
05-Nov-2012

Disclaimer
The information provided on this MSDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

End of MSDS