1. **Identification of the product and of the company/undertaking**

1.1 **Product identifier**
Kimball Midwest Flap Wheels: 87-500, 87-501, 87-1511, 87-1512, 87-1513
Abrasive Flap Wheels - Aluminum Oxide (A) or Silicon Carbide (S) material.

1.2 **Use of the product**
Abrasives for industrial and professional applications.

1.3 **Details of the supplier of the voluntary product information:**

   **Company:** Kimball Midwest
   **Address:** 4800 Roberts Road
   Columbus, OH 43228

   **Tel:** 800-233-1294

1.4 **Emergency telephone number:**

   **Tel:** 800-424-9300 (Chemtree)

2. **Hazard identification**

2.1. **Classification**

2.2. **Label elements**
Not applicable.

2.3. **Other hazards**
Not known.
Voluntary product information based on the format of a safety data sheet for coated abrasives.

3. Composition/information on ingredients
The product contains the following ingredients which are classified according to 67/548/EEC or Regulation (EC) Nr. 1272/2008 or for which a community occupational exposure limit value exists:

<table>
<thead>
<tr>
<th>Substance</th>
<th>EC-N°</th>
<th>CAS-N°</th>
<th>Conc. (%)</th>
<th>Classification acc. to Regulation (EC) Nr. 1272/2008 (CLP)</th>
<th>Hazard classes/hazard categories</th>
<th>Hazard statements</th>
</tr>
</thead>
<tbody>
<tr>
<td>cryolite</td>
<td>237-410-6</td>
<td>13775-53-6</td>
<td>1-20%</td>
<td>Acute Tox. 4</td>
<td>STOT wdh. 1</td>
<td>H332</td>
</tr>
</tbody>
</table>

(For full text of H- and R-phrases see section 16)

4. First aid measures
See also section 8 and 16

4.1. Description of first aid measures

Inhalation: Dust from this product may cause irritation to the respiratory tract. If breathing is difficult, remove the victim to fresh air and keep at rest in a position comfortable for breathing.

Eye contact: Dust from this product may cause eye irritation. Flush immediately with water. Obtain medical attention if irritation, pain, or redness persists.

Skin contact: Wash with soap and water. Wash contaminated clothing before re-use.

Ingestion: Not likely, due to the form of the product; if necessary contact physician

Note to physician: Not available.

4.2. Most important symptoms and effects, both acute and delayed
Not known.

4.3. Indication of any immediate medical attention and special treatment needed
Not relevant. Treat Symptomatically.

5. Fire-fighting measures

5.1. Extinguishing media
Extinguishing media: water, foam, sand, powder or CO₂ as appropriate for surrounding materials.
Voluntary product information based on the format of a safety data sheet for coated abrasives.

5.2. Special hazards arising from the product
Toxic fumes may occur. Use respiratory protective equipment.

5.3. Advice for fire fighters
Extinguishing materials should be selected according to the surrounding area.

6. Accidental release measures
Not applicable.

7. Handling and storage
Store under normal warehouse conditions.

8. Exposure controls/personal protection

8.1. Control parameters
Before grinding it is recommended to perform a risk assessment and to use personal protection equipment accordingly.
Occupational exposure limit values and/or biological limit values
Keep exposure to the following components under surveillance.
(Observe also the regional official regulations)

<table>
<thead>
<tr>
<th>Substance</th>
<th>CAS-N°</th>
<th>Agency</th>
<th>Threshold limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryolite</td>
<td>15096-52-3</td>
<td>ACGIH</td>
<td>TWA (as F): 2.5 mg/m³, TWA (as dust): 2.5 mg/m³, TWA (as F): 2.5 mg/m³</td>
</tr>
<tr>
<td></td>
<td></td>
<td>OSHA</td>
<td></td>
</tr>
</tbody>
</table>

ACGIH: American Conference of governmental Industrial Hygienists
CMRG: Chemical Manufacturer´s Recommended Guidelines
OSHA: United States Department of Labor – Occupational Safety and Health Administration
TWA: Time-Weighted-Average
STEL: Short Term Exposure Limit
Note: Hazardous dust of the work piece material may be generated during grinding and/or sanding operations. National regulations for dust exposure limit values have to be taken into consideration.

8.2. Exposure controls
8.2.1. Individual protection measures
8.2.1.1. Respiratory protection: Use respiratory protective equipment
(type depends on specific application and material being ground)
8.2.1.2. Hand protection: Wear protective gloves
(type depends on specific application and material being ground)
8.2.1.3. Eye protection: Wear protective goggles or face shield
9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Physical state: solid
- Color: not applicable/different colors
- pH: not applicable
- Melting point: not applicable
- Boiling point: not applicable
- Density: not applicable
- Viscosity: not applicable
- Solubility in water: not relevant (article)

9.2. Other information

None.

10. Stability and reactivity

10.1. Reactivity

Coated Abrasives are stable when handled or stored correctly.

10.2. Chemical stability

No decomposition in normal use.

10.3. Possibility of hazardous reactions

No dangerous reactions known.
10.4. Conditions to avoid
Coated Abrasives are stable when handled or stored correctly.

10.5. Incompatible materials
No dangerous reactions known.

10.6. Hazardous decomposition products
At temperatures exceeding 250° C hazardous or toxic decomposition products may be generated.

11. Toxicological information

11.1. Information on toxicological effects
No toxicological effects if inhaled or swallowed or with eye or skin contact are known. See also section 8.

12. Ecological information

12.1. Toxicity
No effects known.

12.2. Persistence and degradability
No biodegradable potentials known.

12.3. Bioaccumulative potential
No potentials known.

12.4. Mobility in soil
No potentials known.

12.5. Results of PBT and vPvB assessment
Not relevant.

12.6. Other adverse effects
No effects known.

13. Disposal considerations

13.1. Disposal methods

13.1. Product
Follow local/ regional/ national/ international regulations.

13.2. Packing
Follow local / regional/ national/ international regulations.
Voluntary product information based on the format of a safety data sheet for coated abrasives.

14. Transport information

The product is not regulated per U.S. DOT, IATA or IMO.

15. Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the product

No specific labelling requirements under respective EC directives.

15.2. Chemical safety assessment

Not relevant.

16. Other information

Changes to the previous versions

See sections 1 to 16.

Hazard statements referred to in section 2 and 3

H332 Harmful if inhaled.
H372 Causes damage to organs through prolonged or repeated exposure. Target organs: lungs, skeleton.
H302 Harmful if swallowed.
H411 Toxic to aquatic life with long lasting effects

The above information is based on our current standard of knowledge and does not constitute any warranty of conditions of the product. The information does not form part of any contractual agreement. It remains the user's responsibility to adhere existing laws and regulations.

Revision Date: 07/20/2015