1 Product and company identification

1.1 Identification of the substance or preparation:

Commercial product name: COPY AID 215
Product group: Silicone Fluid
Use of substance / preparation: Industrial. Fuser agent

1.2 Company/undertaking identification:

Manufacturer/distributor: Wacker Chemical Corporation
3301 Sutton Road
Adrian, MI 49221-9397
USA

Customer information: Customer Care Center:
Tel (517) 264-8240, Fax (517) 264-8740
Hours of operation:
Monday - Friday, 8 am to 5 pm (eastern standard time)
Corporate website www.wackersilicones.com

Emergency telephone no. (24h): (517) 264-8500
Transportation emergency:
(800) 424-9300 (CHEMTREC, USA)
(703) 527-3887 (CHEMTREC, international)
(613) 996-6666 (CANUTEC, Canada)

This MSDS was prepared by the Regulatory Affairs and Product Safety Department (RAPS) of Wacker Chemical Corporation.

2 Composition/information on ingredients

2.1 Chemical characterization (preparation):

Chemical characteristics
Polydimethylsiloxane + Polydimethylsiloxane with aminoalkyl groups

2.2 Information on ingredients:

This material does not contain any OSHA or WHMIS reportable hazardous ingredients.

Substances listed in the Subsections "HAPS" and "California Proposition 65 Carcinogens / Reproductive Toxins" that are not listed in Section 2 are only present at quantities below 0.1% for California Proposition 65 listed toxins or below 1% for non-carcinogenic HAPS or they are inextricably bound in the product.

3 Hazards identification

3.1 Hazards classifications

HMIS® rating (product as packaged):
Health: 1  Fire: 1  Reactivity: 0  PPE: G

(HMIS codes are based on contact with the product as packaged and any hydrolysis by-products, if present.) Hazardous Materials Identification System and HMIS are registered trademarks of the National Paint and Coatings Association. Note: Respiratory protection is only recommended in the event that ventilation or engineering controls are unable to maintain exposures below recommended levels; or in the event of a spill or other emergency response situation.

Canadian WHMIS Classification: None.

3.2 Emergency overview and potential hazards

This material is not hazardous under OSHA criteria. This material is not hazardous under WHMIS criteria.

Physical Hazards:
No known physical hazards.
Acute health effects
Route of entry or possible contact:
- eyes, skin.

Eye contact:
- May cause slight transient eye irritation.

Skin contact:
- No known skin hazards.

Inhalation:
- Aerosols prepared from aqueous emulsions or organic solutions of aminoalkyl-functional siloxanes may be dangerous to health referring to animal tests. Inhalation is not expected due to low vapor pressure.

Ingestion:
- No known ingestion hazards.

Additional information on acute health effects:
- Ingestion is not expected during industrial use.

3.3 Further information:

Chronic health effects:
- No known or expected chronic health effects.

Medical conditions which may be aggravated by exposure:
- none known

Target organs affected:
- No known internal organ effects.

Signs and Symptoms of Exposure:
- Refer to Acute Health Effects, listed above.

Carcinogens/Reproductive toxins:
- This material does not contain any reproductive toxins at or above OSHA or WHMIS reportable levels. There are no carcinogenic ingredients present at or over 0.1% in this material.
- See Section 11 for Toxicological Information, if any.

4 First-aid measures

4.1 General information:
- Get medical attention if irritation occurs or if breathing becomes difficult. Remove contaminated clothing and shoes.

4.2 After inhalation:
- If inhaled remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult give oxygen.

4.3 After contact with the skin:
- For skin contact, immediately wipe away excess material. Use a waterless hand cleaner to remove as much of the remaining material as possible. Wash with soap and water.

4.4 After contact with the eyes:
- If contact with eyes, immediately hold eyelids apart and flush with plenty of water for at least 15 min.

4.5 After swallowing:
- For ingestion, if conscious, give several glasses of water but do not induce vomiting. If vomiting does occur, give additional fluids.

4.6 Advice for the physician:
- Treat symptomatically.

5 Fire-fighting measures

5.1 Flammable properties:
- Flash point: > 104 °C (> 219 °F) (ASTM D93)
- Boiling point / boiling range: > 200 °C (> 392 °F)
- Lower explosion limit (LEL): not applicable
- Upper explosion limit (UEL): not applicable
- Ignition temperature: not determined

5.2 Fire and explosion hazards:
- This material will burn with a lazy smoldering flame. This material does not present any unusual fire or explosion hazards.
5.3 **Recommended extinguishing media:**
AFFF alcohol compatible foam. Carbon dioxide. Dry chemical. Water - Use Fine Spray or Fog. Water may be used to cool tanks and structures adjacent to the fire.

5.4 **Unsuitable extinguishing media:**
None.

5.5 **Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases:**
Hazardous decomposition products: carbon dioxide, carbon monoxide, formaldehyde, silicon dioxide and incompletely burnt hydrocarbons.

5.6 **Fire fighting procedures:**
Full turn-out gear and Self Contained Breathing Apparatus (SCBA) should be worn when fighting large fires.

### Accidental release measures

6.1 **Precautions:**
Secure the area. Obtain appropriate PPE, supplies, and equipment prior to attempting any response.
HAZWOPER PPE Level: D

6.2 **Containment:**
Use loose absorbent material or prefabricated socks to dike around small quantities of spilled material (incidental spills). Cover openings to underground drains and sewers. If safe to do so, stop the leak at its source.
Spills of material which could reach surface waters must be reported to the United States Coast Guard National Response Center's toll free phone number (800) 424-8802.

6.3 **Methods for cleaning up:**
Silicone fluids are slippery; spills are a safety hazard. Apply sand or other inert granular material to improve traction. Liquids may be recovered using suction devices or pumps. If flammable, only air driven or properly rated electrical equipment should be used. Use absorbent materials to pick up residual liquids.

### Handling and storage

7.1 **Handling**
Precautions for safe handling:
Avoid contact with eyes, skin and clothing. Avoid breathing dust/vapor/mist/gas/aerosol. Use with adequate ventilation. Keep container closed when not in use.
Precautions against fire and explosion:
No special precautions against fire and explosion required.

7.2 **Storage**
Conditions for storage rooms and vessels:
Store in a dry and sheltered place.
Advice for storage of incompatible materials:
No restriction.
Further information for storage:
Store in a cool, temperature regulated location.

### Exposure controls and personal protection

8.1 **Engineering controls**
Ventilation:
Use with adequate ventilation.
Local exhaust:
No special ventilation required.
8.2 Associate substances with specific control parameters such as limit values
none known

8.3 Personal protection equipment (PPE)
Respiratory protection:
Respiratory protection is not normally required. A NIOSH approved air purifying respirator equipped with universal multi-contaminant, multi-gas/vapor cartridges and at least P-99 solid/aerosol particulate filters is recommended if overexposure to dusts, mists, or vapors could occur.
Hand protection:
Any liquid-tight rubber or vinyl gloves.
Eye protection:
Safety glasses with side shields or chemical safety goggles.
Other protective clothing or equipment:
Additional protective clothing or equipment is not normally required. Provide eye bath and safety shower.

8.4 General hygiene and protection measures:
Follow standard industrial hygiene practices when using this material. When handling do not eat, drink, smoke or apply cosmetics. Wash thoroughly after handling.

9 Physical and chemical properties

9.1 Appearance
Physical state / form....................: liquid
Colour...................................: clear, Colorless
Odour...................................: slight

9.2 Safety parameters
Melting point / melting range.........: not applicable
Boiling point / boiling range........: > 200 °C (> 392 °F)
Flash point...........................: > 104 °C (> 219 °F) (ASTM D93)
Ignition temperature .................: not determined
Lower explosion limit (LEL)..........: not applicable
Upper explosion limit (UEL).........: not applicable
Vapour pressure.......................: not determined
Density.................................: 0.94 - 0.95 g/cm3
Water solubility / miscibility......: insoluble
pH-Value..............................: not applicable
Viscosity (kinematic)................: 30 mm2/s

10 Stability and reactivity

10.0 General information:
Stable under normal conditions of use.

10.1 Conditions to avoid:
Although this product is not expected to react with commonly used materials of construction and process equipment, it is advised that any rubber or plastic items such as hoses and gaskets be tested prior to large scale processing to ensure there is no degradation of performance or durability.

10.2 Materials to avoid:
Relatively nonreactive. No significant reactivity with water.

10.3 Hazardous decomposition products:
Measurements have shown the formation of small amounts of formaldehyde at temperatures above about 150 °C (302 °F) through oxidation.

10.4 Further information:
Hazardous polymerization cannot occur.

11 Toxicological information

11.1 General information:
Toxicological testing has not been conducted with this material.
12 Ecological information

12.1 Information on elimination (persistence and degradability)
not determined.

12.2 Behaviour in environmental compartments
not determined.

12.3 Ecotoxicological effects:
not determined.

12.4 Additional information
General information:
No ecological data exists for this material.

13 Disposal considerations

13.1 Product disposal
Recommendation:
Material that cannot be used or chemically reprocessed should be disposed of at an approved
facility in accordance with any applicable governmental regulations. State and local
regulations may be more stringent than Federal regulations.

13.2 Packaging disposal
Recommendation:
Uncleaned containers should not be reused to hold another material due to the potential for
reaction between residual product and incompatible materials. Uncleaned packaging should be
treated with the same precautions as the material. After emptying contaminated containers may
be cleansed and recycled.

14 Transport information

14.1 US DOT & CANADA TDG SURFACE
Valuation...........................: Not regulated for transport
Corrosive to Steel or Aluminum: Not corrosive to steel or aluminum.

14.2 Transport by sea IMDG-Code
Valuation......................: Not regulated for transport

14.3 Air transport ICAO-TI/IATA-DGR
Valuation......................: Not regulated for transport

15 Regulatory information

15.1 U.S. Federal regulations

TSCA inventory status and TSCA information:
This material or its components are listed on or are in compliance with the requirements of the
TSCA Chemical Substance Inventory.

TSCA 12(b) Export Notification:
This material does not contain any TSCA 12(b) regulated chemicals.

CERCLA Regulated Chemicals:
This material does not contain any CERCLA regulated chemicals.

SARA 302 EHS Chemicals:
This material does not contain any SARA extremely hazardous substances.

SARA 311/312 Hazard Class:
This product does not present any SARA 311/312 hazards.

SARA 313 Chemicals:
This material does not contain any SARA 313 chemicals above de minimus levels.
HAPs (Hazardous Air Pollutants):
This material does not contain any hazardous air pollutants.

15.2 U.S. State regulations

California Proposition 65 Carcinogens:
This material does not contain any chemicals known to the state of California to cause cancer.

California Proposition 65 Reproductive Toxins:
This material does not contain any chemicals known to the state of California to cause reproductive effects.

Massachusetts Substance List:
This material contains no listed components.

New Jersey Right-to-Know Hazardous Substance List:
This material contains no listed components.

Pennsylvania Right-to-Know Hazardous Substance List:
This material contains no listed components.

15.3 Canadian regulations
This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.

WHMIS Hazard Classes:
None.

DSL Status:
This material or its components are listed on the Canadian Domestic Substances List.

Non-DSL Chemicals:
This material does not contain any non-DSL chemicals.

Canadian Ingredient Disclosure List:
This material contains no listed components.

15.4 Other international regulations

Details of international registration status
Listed on the following inventories:
AICS - Australia
IECSC - China
ECL - Korea
EINECS - Europe
ENCS - Japan
PICCS - Philippines

16 Other information

16.1 Additional information:

This Material Safety Data Sheet (MSDS) meets the requirements of the Federal OSHA Hazard Communication Standard (29 CFR 1910.1200). This product has been classified according to the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR. This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents. This MSDS provides selected regulatory information on this product, including its components. This is not intended to include all regulations. It is the responsibility of the user to know and comply with all applicable rules, regulations and laws relating to the product being used.
16.2 Glossary of Terms:

ACGIH - American Conference of Governmental Industrial Hygienists

DOT - Department of Transportation

hPa - Hectopascals

mPa*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

WHMIS - Canadian Workplace Hazardous Materials Identification System

ACGIH - American Conference of Governmental Industrial Hygienists

DOT - Department of Transportation

hPa - Hectopascals

mPa*s - Milli Pascal-Seconds

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

TWA - Time Weighted Average

WHMIS - Canadian Workplace Hazardous Materials Identification System

Flash point determination methods

ASTM D56

ASTM D92, DIN 51376, ISO 2592

ASTM D93, DIN 51758, ISO 2719

ASTM D3278, DIN 55680, ISO 3679

DIN 51755

Common name

Tagliabue (Tag) closed cup

Cleveland open cup

Pensky-Martens closed cup

Setaflash or Rapid closed cup

Abel-Pensky closed cup

16.3 Conversion table:

Pressure: 1 hPa * 0.75 = 1 mm Hg = 1 Torr; 1 bar = 1000 hPa

Viscosity: 1 mPa*s = 1 Centipoise (Cp)