G51 – FF1214

Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

Date of issue: 05/06/2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product form : Lubricant

Product name : FF1214

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture : Lubricant

1.3. Details of the supplier of the safety data sheet

Baldwin Filters
4400 E Highway 30
Kearney, NE 68847 - US
T 800-822-5394
info@baldwinfilter.com - www.baldwinfilter.com

1.4. Emergency telephone number

Emergency number : 800-424-9300 Inside the U.S., Canada and the U.S. Virgin Islands
703-527-3887 Outside the U.S. (Collect calls accepted.)

SECTION 2: Hazards identification

Classification of the substance or mixture

Not a hazardous substance or mixture.

Labeling

Symbol : None

Signal Word : None

Hazard Statements : Not Hazardous

Precautionary statements

Use personal protective equipment as required. Wear safety glasses and gloves. Avoid contact with eyes. Nonflammable or combustible, but may burn if involved in a fire.

SECTION 3: Composition/information on ingredients

Chemical identity : Dimethyl siloxanes and silicones, 100%

Common name : Methyl silicone

CAS number : 63148-62-9

Impurities : No information provided by manufacturer

SECTION 4: First aid measures

Eye contact : Flush eyes with large amounts of water. If signs/symptoms persist, get medical attention. Obtain medical attention.

Skin contact : Wash affected area with soap and water. If signs/symptoms persist, obtain medical attention.
No need for first aid is anticipated.

Inhalation : If signs/symptoms develop, remove person to fresh air. If signs/symptoms persist, obtain medical attention.

Ingestion : If swallowed, do not induce vomiting. If irritation or discomfort occurs, obtain medical attention.

SECTION 5: Firefighting measures

Auto-ignition temperature	: >300°C (572°F)
Flash Point	: >300°C (572°F)
Flammable limits (LEL)	: Not determined
Flammable limits (UEL)	: Not determined
Suitable extinguishing media	: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO_2), dry chemical or water spray. Water can be use to cool fire exposed containers.
Unsuitable extinguishing media	: None
Specific hazards in case of fire	: Decomposes on heating and can release formaldehyde. Avoid reaction with oxidizers.
Special protective equipment and precautions for firefighters	: No acute hazard. Move container from fire area, if possible. Avoid breathing vapors and dusts. Keep upwind. Use full firefighting gear (bunker gear). Any supplied-air respirator with full face piece and operated in a pressure-demand or other positive pressure mode in combination with a separate escape air supply. Use any self-contained breathing apparatus with a full face piece. Alert fire brigade and indicate hazard location. Wear breathing apparatus plus protective clothing. Cool fire exposed containers with water spray from a protected location. Do no approach containers suspected to be hot. If so to do so, remove containers from path of fire.

SECTION 6: Accidental release measures

Personal precautions	: Use appropriate personal protection. (See section 8)
Environmental precautions	: For larger spills, cover drains and build dikes to prevent entry into sewer systems or bodies of water. Collect the resulting residue containing solution. Place in a metal container approved for transportation by appropriate authorities. Dispose of collected materials as soon as possible.
Methods for material containment and cleaning up	: Observe precautions from other sections. Contain spill. Working from around the edges of the spill inward, cover with bentonite, vermiculite or commercially available inorganic absorbent material. Mix in sufficient absorbent until it appears dry. Collect as much of the spilled material as possible. Clean up residue with an appropriate solvent. Seal the container.

SECTION 7: Handling and storage

Precautions for safe handling	: Avoid contact with skin, inhalation of mist or ingestion. See Section 8 for personal protection equipment. practice good personal hygiene to prevent accidental ingestion after handling. Properly dispose of clothing that cannot be decontaminated.
Conditions for safe storage Including any incompatibilities	: Store away from oxidizing materials. Store product in a closed container located in a dry area. Do no store in open, inadequate or mislabeled packaging. Check that containers are clearly labeled. Use metal cans, metal drums, plastic or lined fiber containers. Keep away from heat and flame.

SECTION 8: Exposure controls/personal protection

Control parameters	: Under most handling conditions, this product will not generate mist or dust.
Engineering controls	: In most conditions, no special local ventiliation is needed. General ventilation recommended. If the product is heated about 150°F or atomized, ventilation should be used.
Personal Protective Equipment (PPE) Eyes	: Safety glasses recommended
Skin	: Impermeable gloves should be worn. Product is compatible with most elastomers.
Inhalation	: No respiratory protection required under most conditions. If concentrations exceed exposure limits, approved respiratory equipment must be used.

SECTION 9: Physical and chemical properties

Physical state	:	liquid
Color	:	colorless
Odor	:	characteristic mild
pH	:	Not applicable
Melting point/freezing point	:	-23 °C
Freezing point	:	-33°C (pour point)
Initial boiling point	:	>200°C
Flash point	:	>321°C COC
Evaporation Rate	:	Not available
Flammability (solid, gas)	:	Not applicable
Explosion limits	:	Not available
Vapor pressure	:	Negligible at 20°C
Vapor density	:	Not available
Solubility	:	insoluble in water at 20°C
Partition coefficient	:	Not available
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Begins to decompose at 150°C

SECTION 10: Stability and reactivity

Chemical stability	:	Stable under ambient temperatures and pressures.
Possibility of hazardous reactions	:	May react with air under very high pressure. Otherwise will not react or polymerize.
Conditions to avoid	:	No specific conditions to avoid have been identified.
Materials to avoid	:	Oxidizers
Hazardous decomposition products	:	Decomposes on heating and produces formaldehyde, silicone dioxide and completely burned carbon dioxide.

SECTION 11: Toxicological information

Acute toxicity	:	Not toxic. LD50 > 10,000 mg/kg Species: Rat
Skin corrosion/irritation	:	Not irritating / not corrosive to the skin. LD50 > 2,000 mg/kg Species: Rabbit
Serious eye damage/irritation	:	Possible irritatant. Not corrosive to the eyes.
Respiratory or skin sensitization	:	Not sensitizing to the skin.
Germ-cell mutagenicity	:	Not a germ cell mutagen
Carcinogenicity	:	Not a carcinogen.
Reproductive toxicity	:	There are currently no reliable scientific data available indicating adverse effects on reproduction or fertility.
Aspiration hazard	:	Not applicable (not an aerosol/mist).

SECTION 12: Ecological information

Toxicity	:	Invertebrates: Daphnia magna 48H-LC50>10,000 mg/L
Persistence and degradability	:	in soil, siloxanes are degraded.
Bioaccumulative potential	:	Not expected to bioaccumulate.
Mobility in soil	:	Siloxanes are removed from water by sedimentation or binding to sewage sludge.

SECTION 13: Disposal considerations

Waste treatment methods : Waste (substance and container material) shall be recycled/recovered or disposed of as applicable and in accordance with community (EU) and local legislation. Recycle wherever possible. Consult state land waste management authority for disposal. Bury at an approved site. Recycle containers if possible or dispose of in authorized landfill.

According to the European Waste Catalogue : Waste codes are not products specific but application specific. Waste codes should be assigned by the user based on the application in which the product is used.

SECTION 14: Transport information

US DOT, IMO, ADR, RID, AND, IMDG and IATA : Non-hazardous

SECTION 15: Regulatory information

Safety health and environmental regulations/legislations specific for the mixture:
Other information:

U.S. regulatory information

TSCA Inventory Status : All ingredients listed or exempt

TSCA 12 (b) Export Notification : Not LIsted

CERCLA Section 103 (40 CFR 302.4) : No

SARA 302 (40 CFR 355.30) : No

SARA 304 (40 CFR 355.40) : No

SARA 313 (40 CFR 372.65) : No

OSHA Process Safety (29 CFR 1910.119) : No

SARA Hazard Categories, SARA Sections 311/312 SARA 304 (40 CFR 370.21)

Acute Hazard	: No
Chronic Hazard	: No
Fire Hazard	: No
Reactivity Hazard	: No
Sudden Release Hazard	: No

State Regulations : Not on California Proposition 65 list. Does not contain any contaminants or by-products know to the State of California to cause cancer and reproductive toxicity.

Note : There are no known safety, health or environmental restrictions or prohibitions in any country where this product is produced, imported or marketed.

Chemical Inventories

DSL (Canada)	: All ingredients are listed or exempt.
EINECS (European Union)	: All ingredients are listed or exempt.
ENCS/ISHL (Japan)	: All ingredients are listed or exempt.
IECSC (Peoples Republic of China)	: All ingredients are listed or exempt.
TSCA (United States of America)	: All ingredients are listed or exempt.

SECTION 16: Other information

NFPA Hazard Classification:

Health	:	1
Flammability	:	1
Reactivity	:	0
Special hazards	:	None

National Fire Protection Associations (NFPA) hazard ratings are designed for use by emergency personnel to address the hazards that are presented by short-term, acute exposure to material under conditions of fire, spill or similar emergencies. Hazard ratings are primarily based on the inherent physical and toxic properties of the material but also include the toxic properties of combustion or decomposition products that are know to be generated in significant quantities.

HMIS Hazard Classification:

Health	:	1
Flammability	:	1
Reactivity	:	0
Protection	:	B (See PPE)

Hazardous Material Identification System (HMIS) hazard ratings are designed to inform employees of chemical hazards in the workplace. The ratings are based on inherent properties of the material under expected conditions of normal use and not intended for use in emergency situations.

Hastings Premium Filters SDS

To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.