

Donnelly Multi-Purpose Grease PG#2

Safety Data Sheet

SDS Revision Date:

12/19/2014

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product Identity All Purpose Grease APG#2

Alternate Names All Purpose Grease APG#2

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

Intended use See Technical Data Sheet.

Application Method See Technical Data Sheet.

1.3. Details of the supplier of the safety data sheet

Company Name Donnelly Bros, Inc.
100 Garlington Street
Laurens, SC 29360. USA

Emergency

CHEMTREC (USA) (800) 424-9300

24 hour Emergency Telephone No. Medical Emergency: (864) 984-4400

Customer Service: Donnelly Bros, Inc. 864) 984-4400

2. Hazard identification of the product

2.1. Classification of the substance or mixture

Acute Tox. 5;H303 May be harmful if swallowed. (Not adopted by US OSHA)

Acute Tox. 5;H313 May be harmful in contact with skin. (Not adopted by US OSHA)

2.2. Label elements

Using the Toxicity Data listed in section 11 and 12 the product is labeled as follows.

Warning

H303 May be harmful if swallowed.

H313 May be harmful in contact with skin.

[Prevention]:

No GHS prevention statements [Response]:

P312 Call a POISON CENTER or doctor / physician if you feel unwell.

[Storage]:

No GHS storage statements

[Disposal]:

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No GHS disposal statements

3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.

| Ingredient/Chemical Designations | Weight % | GHS Classification | Notes |
|---|----------|--------------------|-------|
| Mineral oil CAS Number: 0008042-47-5 | 25 - 50 | | [1] |
| Amorphous silica, hydrophobic CAS Number: 0067762-90-7 | 25 - 50 | | [1] |
| Ptfe CAS Number: 0009002-84-0 | 10 - 25 | | [1] |

[1] Substance classified with a health or environmental hazard.

[2] Substance with a workplace exposure limit.

[3] PBT-substance or vPvB-substance.

*The full texts of the phrases are shown in Section 16.

4. First aid measures

4.1. Description of first aid measures

General

In all cases of doubt, or when symptoms persist, seek medical attention.

Never give anything by mouth to an unconscious person.

Inhalation

Remove person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, get immediate medical attention. Keep person warm, quiet and get medical attention.

Eyes

Immediately flush eyes with water for 15 minutes while holding eye lids apart. Get immediate medical attention.

Skin

Remove contaminated clothing. Wash skin with soap and water. If irritation persists, get medical attention. Wash any contaminated clothing before reuse.

Ingestion

Do not induce vomiting. Keep person warm, quiet and get medical attention. If possible do not leave person unattended. Aspiration of material into the lungs due to vomiting can cause chemical pneumonitis which can be fatal. Call a physician.

4.2. Most important symptoms and effects, both acute and delayed

Overview

Effects of Acute Overexposure:

Eyes: Eye irritation. Signs/symptoms may include: stinging, tearing, redness and swelling. Impact hazard from pressure.

Skin: Mild skin irritation. Repeated or prolonged contact can dry the skin. Signs/symptoms may include: redness, burning, drying, cracking and skin burns.

Breathing: Exposure to vapors or mist is possible. Breathing small amounts incidental to normal handling and use is not likely to cause adverse health effects. Large amounts may be harmful.

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Signs/symptoms are associated with exposure above the recommended exposure limits. These signs and symptoms may include: central nervous system effects such as drowsiness, weakness, fatigue, nausea, headache, unconsciousness, coma and death.

Exposure to thermal decomposition products generated by temperatures above 1000° F can cause polymer fume fever with symptoms of fever chills, cough and general malaise. This is generally a temporary condition.

Swallowing: Due to the nature of this material it is difficult to swallow. Small amounts incidental to normal handling and use are unlikely to cause harmful effects. Large amounts may be harmful. The petroleum based component in this products is considered to be an aspiration hazard. During swallowing or vomiting this material can enter the lungs and cause inflammation and/or damage. The liquid may also be absorbed through the lungs and result in injury to other body systems.

Primary Route(s) of Entry: Eye contact, skin absorption, and inhalation.

Medical Conditions Aggravated by Exposure: Skin contact may aggravate existing dermatitis or other significant skin conditions. Inhalation may aggravate known respiratory conditions.

Reproductive/Developmental Toxins: None known.

See section 2 for further details.

Skin

May be harmful in contact with skin. (Not adopted by US OSHA)

Ingestion

May be harmful if swallowed. (Not adopted by US OSHA)

5. Fire-fighting measures

5.1. Extinguishing media

Carbon dioxide, dry chemical water spray (fog) or regular foam.

5.2. Special hazards arising from the substance or mixture

Hazardous decomposition: Carbon monoxide, carbon dioxide, various hydrocarbons and trace amounts of COF₂ and CF₄ at temperatures above 1200° F.

5.3. Advice for fire-fighters

Vapors are heavier than air. They can travel along the ground or be moved by ventilation and then ignited by heat, pilot lights, open flames and other ignition sources at locations distant from the material handling point when the material is released from the container. Never use welding or cutting torch on the product containers (even empty) because product (even minute amounts of residue) can ignite explosively. Container is under pressure and may rupture or explode due to pressure build up when exposed to extreme heat.

Containers exposed to heat may burst

ERG Guide No. ----

6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

6.2. Environmental precautions

Do not allow spills to enter drains or waterways.

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Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

6.3. Methods and material for containment and cleaning up

Spill Response: Refer to other sections of this SDS for information regarding physical and health hazards, respiratory protection, ventilation, and personal protective equipment. Ventilate area. Absorb residue on vermiculite, floor absorbent or other absorbent material. Eliminate all ignition sources (flames including pilot lights, forklift engines, electrical sparks and machine engines). Persons not wearing personal protective equipment should be excluded from the spill area until clean-up has been completed. Only trained personnel in spill clean-up under 29 CFR 1910.120 should be involved with spill clean-up procedures beyond the foreseeable emergency stage. Prevent material from entering drains, sewers, streams or other bodies of water. Prevent from spreading. If run off occurs, notify appropriate authorities as required. Pump or vacuum spilled materials to recovery containers. Transfer contaminated soil and other materials to containers for disposal.

7. Handling and storage

7.1. Precautions for safe handling

See section 2 for further details. - [Prevention]:

7.2. Conditions for safe storage, including any incompatibilities

Storage in a cool, dry, well ventilated area. Keep out of the reach of children.

Incompatible materials: Avoid contact with strong oxidizers, sodium -potassium allow heat, and open flame. Avoid conditions such as temperature above 1000 F See section 2 for further details. - [Storage]:

7.3. Specific end use(s) No

data available.

8. Exposure controls and personal protection

8.1. Control parameters

| CAS No. | Ingredient | Exposure | |
|--------------|-------------|----------|----------------------|
| | | Source | Value |
| 0008042-47-5 | Mineral oil | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0009002-84-0 | Ptfе | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |

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| | | | |
|--------------|-------------------------------|----------|----------------------|
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |
| 0067762-90-7 | Amorphous silica, hydrophobic | OSHA | No Established Limit |
| | | ACGIH | No Established Limit |
| | | NIOSH | No Established Limit |
| | | Supplier | No Established Limit |

Contains mineral oil. The exposure limits for oil mist are 5 mg/m³ OSHA PEL and 10 mg/m³ ACGIH.

Carcinogen Data

| CAS No. | Ingredient | Source | Value |
|--------------|-------------------------------|--------|---|
| 0008042-47-5 | Mineral oil | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |
| 0009002-84-0 | Ptfе | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No; |
| 0067762-90-7 | Amorphous silica, hydrophobic | OSHA | Select Carcinogen: No |
| | | NTP | Known: No; Suspected: No |
| | | IARC | Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No; |

8.2. Exposure controls

Respiratory

Usually not required. Canister or self-contained if TLV is exceeded. If workplace exposure limits of any component are exceeded use a NIOSH/MSHA approved air supplied respirator in the absence of proper environmental controls. OSHA regulations permit other respiratory use under the specific conditions as stated in 29 CFR 1910.134. Engineering and administrative controls should be implemented to reduce exposure.

Eyes

Chemical splash goggles in compliance with OSHA regulations are advised. Contact your safety equipment supplier.

Skin

To prevent repeated or prolonged skin contact wear impervious clothing and boots. Suitable to protect bare skin. Wear chemical resistant gloves. Contact your safety equipment supplier.

Engineering Controls

Ventilation: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below PEL/TLV.

Other Work Practices

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

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See section 2 for further details. - [Prevention]:

9. Physical and chemical properties

| | |
|--|--|
| Appearance | White Paste |
| Odor | Slight |
| Odor threshold | Not Measured |
| pH | Not Measured |
| Melting point / freezing point | Unknown |
| Initial boiling point and boiling range | 650 F (component) @760 mmHg |
| Flash Point | 445 F TCC (component) |
| Evaporation rate (Ether = 1) | Slower than ether |
| Flammability (solid, gas) | Not Applicable |
| Upper/lower flammability or explosive limits | Lower Explosive Limit: N/A Upper Explosive Limit: N/A |
| Vapor pressure (Pa) | >1 mmHg (component) @ 70 F |
| Vapor Density | Not available |
| Specific Gravity | 0.8275 (component) @ 77 F |
| Solubility in Water | Unknown |
| Partition coefficient n-octanol/water (Log Kow) | Not Measured |
| Auto-ignition temperature | Not Determined |
| Decomposition temperature | Not Measured |
| Viscosity (cSt) | Not Measured |
| % Volatile | approximately 84% |
| 9.2. Other information | |
| No other relevant information. | |

10. Stability and reactivity

10.1. Reactivity

Hazardous Polymerization will not occur.

10.2. Chemical stability

Stable under normal circumstances. **10.3.**

Possibility of hazardous reactions

No data available. **10.4. Conditions to avoid**

No data available.

10.5. Incompatible materials

Avoid contact with strong oxidizers, sodium -potassium allow heat, and open flame. Avoid conditions such as temperature above 1000 F

10.6. Hazardous decomposition products

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Carbon monoxide, carbon dioxide, various hydrocarbons and trace amounts of COF₂ and CF₄ at temperatures above 1200° F.

11. Toxicological information

Acute toxicity

| Ingredient | Oral LD50, mg/kg | Skin LD50, mg/kg | Inhalation Vapor LD50, mg/L/4hr | Inhalation Dust/Mist LD50, mg/L/4hr | Inhalation Gas LD50, ppm |
|--|--------------------------------|--------------------------------|---------------------------------------|---|--------------------------------|
| Mineral oil - (8042-47-5) | 5,000.00, Rat - Category: 5 | No data available | No data available | No data available | No data available |
| Amorphous silica, hydrophobic - (67762-90-7) | 1,000.00, Rat - Category: 4 | 2,000.00, Rat - Category: 4 | No data available | No data available | No data available |
| Ptfe - (9002-84-0) | No data available | No data available | No data available | No data available | No data available |

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

| Classification | Category | Hazard Description |
|-------------------------------|----------|---|
| Acute toxicity (oral) | 5 | May be harmful if swallowed. (Not adopted by US OSHA) |
| Acute toxicity (dermal) | 5 | May be harmful in contact with skin. (Not adopted by US OSHA) |
| Acute toxicity (inhalation) | --- | Not Applicable |
| Skin corrosion/irritation | --- | Not Applicable |
| Serious eye damage/irritation | --- | Not Applicable |
| Respiratory sensitization | --- | Not Applicable |
| Skin sensitization | --- | Not Applicable |
| Germ cell mutagenicity | --- | Not Applicable |
| Carcinogenicity | --- | Not Applicable |
| Reproductive toxicity | --- | Not Applicable |
| STOT-single exposure | --- | Not Applicable |
| STOT-repeated exposure | --- | Not Applicable |
| Aspiration hazard | --- | Not Applicable |

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12. Ecological information

12.1. Toxicity

No additional information provided for this product. See Section 3 for chemical specific data. **Aquatic Ecotoxicity**

| Ingredient | 96 hr LC50 fish, mg/l | 48 hr EC50 crustacea, mg/l | ErC50 algae, mg/l |
|--|-----------------------|----------------------------|-------------------|
| Mineral oil - (8042-47-5) | Not Available | Not Available | Not Available |
| Amorphous silica, hydrophobic - (67762-90-7) | Not Available | Not Available | Not Available |
| Ptfe - (9002-84-0) | Not Available | Not Available | Not Available |

12.2. Persistence and degradability

There is no data available on the preparation itself.

12.3. Bioaccumulative potential

Not Measured

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This product contains no PBT/vPvB chemicals.

12.6. Other adverse effects

No data available.

13. Disposal considerations

13.1. Waste treatment methods

Observe all federal, state and local regulations when disposing of this substance.

14. Transport information

| | | | |
|---|--|---|----------------------------------|
| | DOT (Domestic Surface Transportation) | IMO / IMDG (Ocean Transportation) | ICAO/IATA |
| 14.1. UN number | Not Applicable | Not Regulated | Not Regulated |
| 14.2. UN proper shipping name | Not Regulated | Not Regulated | Not Regulated |
| 14.3. Transport hazard class(es) | DOT Hazard Class: Not Applicable DOT Label: --- | IMDG: Not Applicable Sub Class: Not Applicable | Air Class: Not Applicable |

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14.4. Packing group Not Applicable Not Applicable Not Applicable

14.5. Environmental hazards

IMDG Marine Pollutant: No

14.6. Special precautions for user

No further information

15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Toxic Substance All components of this material are either listed or exempt from listing on the TSCA **Control Act (TSCA)** Inventory.

WHMIS Classification Not Regulated

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: No

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): No

EPCRA 311/312 Chemicals and RQs:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 302 Extremely Hazardous :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Carcinogens (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Developmental Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

N.J. RTK Substances (>1%) :

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Penn RTK Substances (>1%):

Ptfe

16. Other information

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The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

This is the first version in the GHS SDS format. Listings of changes from previous versions in other formats are not applicable.

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