Safety Data Sheet
All Purpose Grease APG#2

SDS Revision Date: **05/09/2017**

1. Identification

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(s) identification

2.1. Classification of the substance or mixture

Aquatic Chronic 3;H412 Harmful to aquatic life with long lasting effects.

2.2. Label elements

H412 Harmful to aquatic life with long lasting effects.

[Prevention]:

P273 Avoid release to the environment.

[Response]:

No GHS response statements

[Storage]:

No GHS storage statements

[Disposal]:

P501 Dispose of contents / container in accordance with local / national regulations.

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**	**75 - 100**	**Asp. Tox. 1;H304**	**[1]**
Amorphous silica, hydrophobic **CAS Number: 0067762-90-7**	**10 - 25**	**Not Classified**	**[1]**
Poly(tetrafluoroethene) **CAS Number: 0009002-84-0**	**1 - 5**	**Not Classified**	**[1]**
2,6-Di-tert-butyl-p-cresol **CAS Number: 0000128-37-0**	**1 - 5**	**Aquatic Chronic 1;H410**	**[1][2]**
Lubrizol 859 **CAS Number: Proprietary**	**1 - 5**	**Not Provided**	**[1]**

In accordance with paragraph (i) of §1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.
[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 Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents

may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage. See section 2 for further details.

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: High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

5.3. Advice for fire-fighters

Vapors are heavier than air. They can travel along the ground on be moved by ventilation ant hen 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

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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.

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

Storage in a cool, dry, well ventilated area. Aerosol container contains contents under pressure. Store at temperatures below 120°F (49°C). Keep away from heat, sparks, open flame, and other sources of ignition. Do not puncture or burn container, even after use. Keep out of the reach of children.

7.2. Conditions for safe storage, including any incompatibilities

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

7.3. Specific end use(s)

No data available.

8. Exposure controls and personal protection

8.1. Control parameters

Exposure

CAS No.	Ingredient	Source	Value
0000128-37-0	2,6-Di-tert-butyl-p-cresol	OSHA	No Established Limit
		ACGIH	TWA: 2 mg/m3
		NIOSH	TWA 10 mg/m3
		Supplier	No Established Limit
0008042-47-5	Mineral oil	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0009002-84-0	Poly(tetrafluoroethene)	OSHA	No Established Limit
		ACGIH	No Established Limit
		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
Proprietary	Lubrizol 859	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.

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.

9. Physical and chemical properties

Appearance	White Paste
Odor	Slight
Odor threshold	Not determined
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
Excessive heat and open flame.

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
High temperatures and fires may produce such toxic substances as carbon monoxide and carbon dioxide.

11. Toxicological information

Acute toxicity
Exposure to solvent vapor concentrations from the component solvents in excess of the stated occupational exposure limits may result in adverse health effects such as mucous membrane and respiratory system irritation and adverse effects on the kidneys, liver and central nervous system. Symptoms include headache, nausea, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.

Repeated or prolonged contact with the preparation may cause removal of natural fat from the skin resulting in dryness, irritation and possible non-allergic contact dermatitis. Solvents may also be absorbed through the skin. Splashes of liquid in the eyes may cause irritation and soreness with possible reversible damage.

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).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm
Mineral oil - (8042-47-5)	> 5,000.00, Rat - Category: NA	No data available	No data available	No data available	No data available
Amorphous silica, hydrophobic - (67762-90-7)	No data available	>2,000.00, Rat - Category: 5	No data available	No data available	No data available
Poly(tetrafluoroethene) - (9002-84-0)	No data available	No data available	No data available	No data available	No data available
2,6-Di-tert-butyl-p-cresol - (128-37-0)	10,000.00, Rat - Category: NA	>2,000.00, Rabbit - Category: 5	No data available	No data available	No data available
Lubrizol 859 - (Proprietary)	No data available	No data available	No data available	No data available	No data available

Carcinogen Data

CAS No.	Ingredient	Source	Value
0000128-37-0	2,6-Di-tert-butyl-p-cresol	OSHA	Regulated Carcinogen: No

		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes; Group 4: No;
0008042-47-5	Mineral oil	OSHA	Regulated 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	Poly(tetrafluoroethene)	OSHA	Regulated 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	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;
Proprietary	Lubrizol 859	OSHA	Regulated Carcinogen: No
		NTP	Known: No; Suspected: No
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No; Group 4: No;

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
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

12. Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

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)	> 5,000.00, Fish	> 5,000.00, Daphnia magna	5,001.00 (72 hr), Algae
Poly(tetrafluoroethene) - (9002-84-0)	Not Available	Not Available	Not Available
2,6-Di-tert-butyl-p-cresol - (128-37-0)	0.57, Fish	0.48, Daphnia magna	8.00 (72 hr), Algae
Lubrizol 859 - (Proprietary)	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	**IMDG:** Not Applicable **Sub Class:** Not Applicable	**Air Class:** Not Applicable
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.

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Toxic Substance Control Act (TSCA)	All components of this material are either listed or exempt from listing on the TSCA Inventory.
WHMIS 1988 Classification	Not Regulated
US EPA Tier II Hazards	**Fire:** No
	Sudden Release of Pressure: No
	Reactive: No
	Immediate (Acute): No
	Delayed (Chronic): No

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.

16. Other information

SDS Revision Date 05/09/2017

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:

H304 May be fatal if swallowed and enters airways.

H410 Very toxic to aquatic life with long lasting effects.

Disclaimer: The information accumulated and reflected in this Safety Data Sheet is believed to be accurate but is not warranted to be, whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

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