

Safety Data Sheet

APG#2 Spray

SDS Revision Date:

12/22/2014

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

1.1. Product identifier

Product Identity APG#2 Spray

Alternate Names APG#2 Spray

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

Flam. Aerosol 2;H223 Flammable aerosol.

Acute Tox. 4;H332 Harmful if inhaled.

STOT RE 2;H373 May cause damage to organs through prolonged or repeated exposure. Specific Target Organs: (central nervous system)

2.2. Label elements

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



Warning

H223 Flammable aerosol.

H332 Harmful if inhaled.

H373 May cause damage to organs through prolonged or repeated exposure.

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[Prevention]:

P210 Keep away from heat / sparks / open flames / hot surfaces - No smoking.

P211 Do not spray on an open flame or other ignition source.

P251 Pressurized container: Do not pierce or burn, even after use.

P261 Avoid breathing dust / fume / gas / mist / vapors / spray.

P271 Use only outdoors or in a well-ventilated area.

[Response]:

P304+312 IF INHALED: Call a POISON CENTER or doctor / physician if you feel unwell.

P314 Get Medical advice / attention if you feel unwell.

P340 Remove victim to fresh air and keep at rest in a position comfortable for breathing.

[Storage]:

P410+412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F.

[Disposal]:

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
Solvent naphtha (petroleum), medium aliphatic CAS Number: 0064742-88-7	25 - 50	STOT RE 1;H372 Asp. Tox. 1;H304	[1]
Mineral oil CAS Number: 0008042-47-5	25 - 50		[1]
Amorphous silica, hydrophobic CAS Number: 0067762-90-7	1.0 - 10		[1]
Carbon dioxide CAS Number: 0000124-38-9	1.0 - 10	Press. Gas;H280 Simple Asphyxiant	[1][2]
Ptfe CAS Number: 0009002-84-0	1.0 - 10		[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.

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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.

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 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.

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.

Inhalation

Harmful if inhaled.

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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.

Keep away from heat / sparks / open flames / hot surfaces - No smoking.

Do not spray on an open flame or other ignition source.

Pressurized container: Do not pierce or burn, even after use.

Avoid breathing dust / fume / gas / mist / vapors / spray.

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.

No special requirements. Firefighters wear self-contained breathing apparatus with full facepiece operated in the positive pressure demand mode. Cool fire exposed containers with water spray.

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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.

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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. 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.

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

Exposure

CAS No.	Ingredient	Source	Value
0000124-38-9	Carbon dioxide	OSHA	TWA 5000 ppm (9000 mg/m3)
		ACGIH	TWA: 5000 ppm Ceiling: 15000 ppm
		NIOSH	TWA 5000 ppm (9000 mg/m3) ST 30,000 ppm (54,000 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	Ptfе	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
		Supplier	No Established Limit
0064742-88-7	Solvent naphtha (petroleum), medium aliphatic	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

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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
0000124-38-9	Carbon dioxide	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;
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;
0064742-88-7	Solvent naphtha (petroleum), medium aliphatic	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;
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

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

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.

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

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9. Physical and chemical properties

Appearance	Clear Aerosol
Odor	Unknown
Odor threshold	Not Measured
pH	Not Measured
Melting point / freezing point	Unknown
Initial boiling point and boiling range	375 F (component) @760 mmHg
Flash Point	142-150 F TCC (component); 61-65 C TCC (component)
Evaporation rate (Ether = 1)	Slower than ether
Flammability (solid, gas)	Gas
Upper/lower flammability or explosive limits	Lower Explosive Limit: 1.0% Upper Explosive Limit: 6.0%
Vapor pressure (Pa)	0.5 mmHg (component) @68 F
Vapor Density	5.48
Specific Gravity	< 1 (component) @ 77F
Solubility in Water	Not Measured
Partition coefficient n-octanol/water (Log Kow)	Not Measured
Auto-ignition temperature	Not Determined
Decomposition temperature	Not Measured
Viscosity (cSt)	Not Measured
% Volatile	approximately 51%

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.

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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.

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
Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)	6,000.00, Rat - Category: NA	3,000.00, Rabbit - Category: 5	No data available	No data available	5,000.00, Rat - Category: NA
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
Carbon dioxide - (124-38-9)	No data available	No data available	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)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	4	Harmful if inhaled.
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

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STOT-single exposure	---	Not Applicable
STOT-repeated exposure	2	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	---	Not Applicable

12. Ecological information

12.1. Toxicity

The preparation has been assessed following the conventional method of the Dangerous Preparations Directive 1999/45/EC and GHS and is not classified as dangerous for the environment, but contains substance(s) dangerous for the environment. See section 3 for details

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/l	48 hr EC50 crustacea, mg/l	ErC50 algae, mg/l
Solvent naphtha (petroleum), medium aliphatic - (64742-88-7)	800.00, Pimephales promelas	100.00, Daphnia magna	450.00 (96 hr), Selenastrum capricornutum
Mineral oil - (8042-47-5)	Not Available	Not Available	Not Available
Amorphous silica, hydrophobic - (67762-90-7)	Not Available	Not Available	Not Available
Carbon dioxide - (124-38-9)	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.

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

WHMIS Classification D2B

US EPA Tier II Hazards

Fire: No

Sudden Release of Pressure: Yes

Reactive: No

Immediate (Acute): Yes

Delayed (Chronic): Yes

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.

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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%):

Carbon dioxide

Penn RTK Substances (>1%):

Carbon dioxide

Ptfe

16. Other information

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:

H280 Contains gas under pressure; may explode if heated.

H304 May be fatal if swallowed and enters airways.

H372 Causes damage to organs through prolonged or repeated exposure.

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

Disclaimer: The information accumulated and reflected in this Material 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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