SUC: 03-Solvents - Flashpoint >100 F

External Key: 10-3011, 88861698

MATERIAL SAFETY DATA SHEET

Print Date: 07.Oct.2014

Corporate Synonyms: ACDelco Diesel Fuel



POWERGUARD(TM) 2630 of1 **Material Safety Data Sheet**

Product and company identification 1.

Product name

: POWERGUARD(TM) 2630 of1

Material uses

: Industrial applications: Fuel additive.

Internal code

Not available.

Supplier

Innospec Fuel Specialties LLC 8310 South Valley Highway

Suite 350 Englewood CO, 80112

USA

Information contact

1-800-441-9547

e-mail address of person responsible for this SDS

sdsinfo@innospecinc.com

Emergency telephone number

In USA, Canada and North America, 24 hour / 7 day emergency response for our product is provided by the CHEMTREC (R) Emergency Call Center based in the USA

Country information

: Emergency telephone number

USA

800 424 9300 +1 800 424 9300

+1 703 527 3887

Canada, Puerto Rico, Virgin Islands In case of difficulties, or for ships at sea

In Europe, Middle East, Africa, Asia Pacific and South America 24 hour / 7 day emergency response for our products is provided by the NCEC CARECHEM 24 global network

The main regional centres are listed here in Section 1.

Other local contact numbers for specific language support in Asia Pacific are listed in Section 16

Country information

Emergency telephone Location

number

Europe (all countries, all languages) Middle East, Africa (Arabic, French, English) Middle East, Africa (French, Portuguese, English) : +44 (0) 1235 239 670 London, UK : +44 (0) 1235 239 671 Lebanon

+86 10 5100 3039

Asia Pacific (all countries except China) China

+44 (0) 1235 239 670 London UK +65 3158 1074 Singapore

Beijing China

South America (all countries)

: +1 215 207 0061 Philadelphia USA

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

Date of issue June 26, 2014 1/13 HMCS ID: 30109020 MATERIAL SAFETY DATA S

SUC: 03-Solvents - Flashpoint >100 F **External Key:** 10-3011, 88861698

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Conditioner

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2. Hazards identification

Physical state

: Liquid.

Odor

: Aromatic.

OSHA/HCS status

This material is considered hazardous by the OSHA Hazard Communication Standard

(29 CFR 1910.1200).

Emergency overview

: WARNING!

COMBUSTIBLE LIQUID AND VAPOR. HARMFUL IF INHALED. CAUSES RESPIRATORY TRACT, EYE AND SKIN IRRITATION. MAY BE HARMFUL IF ABSORBED THROUGH SKIN. HARMFUL OR FATAL IF SWALLOWED. CAN ENTER LUNGS AND CAUSE DAMAGE. CONTAINS MATERIAL THAT CAN CAUSE TARGET ORGAN DAMAGE. POSSIBLE CANCER HAZARD - CONTAINS MATERIAL

WHICH MAY CAUSE CANCER, BASED ON ANIMAL DATA.

Target organs

Contains material which causes damage to the following organs: blood, kidneys, liver, gastrointestinal tract, upper respiratory tract, skin, central nervous system (CNS), eye,

lens or cornea.

Contains material which may cause damage to the following organs: lungs, the nervous

system, cardiovascular system.

Over-exposure signs/symptoms

Inhalation

Adverse symptoms may include the following:

respiratory tract irritation

coughing

Ingestion

: Adverse symptoms may include the following:

nausea or vomiting

Skin

Adverse symptoms may include the following:

irritation redness

Eyes

Adverse symptoms may include the following:

pain or irritation watering redness

Medical conditions aggravated by over-

Pre-existing disorders involving any target organs mentioned in this MSDS as being at risk may be aggravated by over-exposure to this product.

exposure

See toxicological information (Section 11)

3. Composition/information on ingredients

Name	CAS number	%
Solvent naphtha (petroleum), heavy arom.	64742-94-5	30 - 60
2-ethylhexyl nitrate	27247-96-7	15 - 30
naphthalene	91-20-3	0.99 - 4.99
1,2,4-trimethylbenzene	95-63-6	0.99 - 4.99
xylene	1330-20-7	0.99 - 4.99
ethylbenzene	100-41-4	0.09 - 0.99

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

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4. First aid measures

Eye contact

: Check for and remove any contact lenses. Immediately flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Get medical attention immediately.

Skin contact

: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before reuse. Clean shoes thoroughly before reuse. Get medical attention immediately.

Inhalation

: Move exposed person to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention immediately.

Ingestion

: Wash out mouth with water. Do not induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical attention immediately.

5. Fire-fighting measures

Flammability of the product

: Combustible liquid. In a fire or if heated, a pressure increase will occur and the container may burst, with the risk of a subsequent explosion.

Extinguishing media

Suitable

: Use dry chemical, CO₂, water spray (fog) or foam.

Not suitable

: Do not use water jet.

In case of fire

Flash point

Remarks

Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training. Move containers from fire area if this can be done without risk. Use water spray to keep fire-exposed containers cool. Fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

ui

: Closed cup: >61°C (>141.8°F) [Pensky-Martens.]

Auto-ignition temperature

: Lowest known value: 130 to 215°C (266 to 419°F) (2-ethylhexyl nitrate).

Upper/lower flammability or explosive limits

Greatest known range: Lower: 0.6% Upper: 7% (Solvent naphtha (petroleum), heavy

arom.

Hazardous thermal decomposition products

: Decomposition products may include the following materials:

carbon dioxide carbon monoxide nitrogen oxides

Special protective equipment for fire-fighters

Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

: Decomposes violently when heated above 100°C.

6. Accidental release measures

Personal precautions

: No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Shut off all ignition sources. No flares, smoking or flames in hazard area. Do not breathe vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment (see Section 8).

Environmental precautions

: Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air). Water polluting material. May be harmful to the environment if released in large quantities.

Methods for cleaning up

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Accidental release measures

Small spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large spill

: Stop leak if without risk. Move containers from spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see Section 13). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

7. Handling and storage

Remarks

: Consult: Innospec PLMR 2007-05 or RS PB 09-51 Best Practice Manual for blends containing CI-0801. Product trade name CI-0801: 2-ethylhexyl nitrate. Keep away from heat.

Handling

Put on appropriate personal protective equipment (see Section 8). Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Do not swallow. Avoid release to the environment. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Do not enter storage areas and confined spaces unless adequately ventilated. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Store and use away from heat, sparks, open flame or any other ignition source. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Use non-sparking tools. Take precautionary measures against electrostatic discharges. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Empty containers retain product residue and can be hazardous. Do not reuse container.

Storage

: Store in accordance with local regulations. Store in a segregated and approved area. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see Section 10) and food and drink. Eliminate all ignition sources. Separate from oxidizing materials. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination.

Storage Temperature: Ambient.

8. Exposure controls/personal protection

Ingredient	Exposure limits
2-ethylhexyl nitrate	Innospec (United States, 1/2010). Absorbed through skin. TWA: 1 ppm 8 hours. Innospec (United States, 6/2010). Absorbed through skin. STEL: 1 ppm 15 minutes.
naphthalene	ACGIH TLV (United States, 6/2013). Absorbed through skin. TWA: 10 ppm, 0 times per shift, 8 hours. TWA: 52 mg/m³, 0 times per shift, 8 hours. STEL: 15 ppm, 0 times per shift, 15 minutes. STEL: 79 mg/m³, 0 times per shift, 15 minutes. OSHA PEL 1989 (United States, 3/1989). TWA: 10 ppm, 0 times per shift, 8 hours.

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1,2,4-trimethylbenzene

xylene

ethylbenzene

8. Exposure controls/personal protection

TWA: 50 mg/m³, 0 times per shift, 8 hours. STEL: 15 ppm, 0 times per shift, 15 minutes. STEL: 75 mg/m³, 0 times per shift, 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 10 ppm, 0 times per shift, 10 hours. TWA: 50 mg/m³, 0 times per shift, 10 hours. STEL: 15 ppm, 0 times per shift, 15 minutes. STEL: 75 mg/m³, 0 times per shift, 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 10 ppm, 0 times per shift, 8 hours. TWA: 50 mg/m³, 0 times per shift, 8 hours.

ACGIH TLV (United States, 6/2013).

TWA: 25 ppm, 0 times per shift, 8 hours. TWA: 123 mg/m³, 0 times per shift, 8 hours. OSHA PEL 1989 (United States, 3/1989).

TWA: 25 ppm, 0 times per shift, 8 hours. TWA: 125 mg/m³, 0 times per shift, 8 hours.

NIOSH REL (United States, 10/2013). TWA: 25 ppm, 0 times per shift, 10 hours.

TWA: 125 mg/m³, 0 times per shift, 10 hours.

ACGIH TLV (United States, 6/2013).

TWA: 100 ppm, 0 times per shift, 8 hours. TWA: 434 mg/m³, 0 times per shift, 8 hours. STEL: 150 ppm, 0 times per shift, 15 minutes. STEL: 651 mg/m³, 0 times per shift, 15 minutes.

OSHA PEL 1989 (United States, 3/1989).

TWA: 100 ppm, 0 times per shift, 8 hours. TWA: 435 mg/m³. 0 times per shift. 8 hours. STEL: 150 ppm, 0 times per shift, 15 minutes. STEL: 655 mg/m³, 0 times per shift, 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 100 ppm, 0 times per shift, 8 hours. TWA: 435 mg/m³, 0 times per shift, 8 hours.

ACGIH TLV (United States, 6/2013).

TWA: 20 ppm, 0 times per shift, 8 hours. OSHA PEL 1989 (United States, 3/1989).

TWA: 100 ppm, 0 times per shift, 8 hours.

TWA: 435 mg/m³, 0 times per shift, 8 hours. STEL: 125 ppm, 0 times per shift, 15 minutes.

STEL: 545 mg/m³, 0 times per shift, 15 minutes.

NIOSH REL (United States, 10/2013).

TWA: 100 ppm, 0 times per shift, 10 hours. TWA: 435 mg/m³, 0 times per shift, 10 hours. STEL: 125 ppm, 0 times per shift, 15 minutes. STEL: 545 mg/m³, 0 times per shift, 15 minutes.

OSHA PEL (United States, 2/2013).

TWA: 100 ppm, 0 times per shift, 8 hours. TWA: 435 mg/m³, 0 times per shift, 8 hours.

Recommended monitoring procedures

: If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

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8. Exposure controls/personal protection

Engineering measures

Use only with adequate ventilation. Use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits. The engineering controls also need to keep gas, vapor or dust concentrations below any lower explosive limits. Use explosion-proof ventilation equipment.

Hygiene measures

Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

Personal protection

Respiratory

: Use a properly fitted, air-purifying or supplied-air respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

Hands

Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

Eyes

Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

Skin

Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

Environmental exposure controls

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

Physical and chemical properties 9.

Physical state

Liquid.

Flash point

Closed cup: >61°C (>141.8°F) [Pensky-Martens.]

Auto-ignition temperature

Lowest known value: 130 to 215°C (266 to 419°F) (2-ethylhexyl nitrate).

Flammable limits

Greatest known range: Lower: 0.6% Upper: 7% (Solvent naphtha (petroleum), heavy arom.)

Color

Clear. Amber. [Light]

Odor

Aromatic.

Boiling/condensation point

Lowest known value: 138.85°C (281.9°F) (xylene). Weighted average: 194.25°C (381.

6°F)

Density **Specific gravity** : 0.93205 g/cm3 [15°C (59°F)] : 0.9328 [ASTM D 4052]

Density

: 7.78 lbs/gal

Vapor pressure

: Highest known value: 0.7 to 0.9 kPa (5 to 6.6 mm Hg) (at 20°C) (xylene). Weighted average: 0.09 kPa (0.68 mm Hg) (at 20°C)

Vapor density

Highest known value: 4.6 to 5.5 (Air = 1) (Solvent naphtha (petroleum), heavy arom.).

Odor threshold

Weighted average: 3.77 (Air = 1) : Lowest known value: 0.001 to 0.03 ppm (2-ethylhexyl nitrate)

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SUC: 03-Solvents - Flashpoint >100 F Corporate Synonyms: ACDelco Diesel Fuel Conditioner External Key: 10-3011, 88861698

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Physical and chemical properties 9.

Highest known value: <1 (2-ethylhexyl nitrate) Weighted average: 0.33compared with **Evaporation rate**

butyl acetate

Dispersibility properties Not dispersible in the following materials: cold water. Solubility(ies) Insoluble in the following materials: cold water, hot water.

10. Stability and reactivity

: The product is stable. **Chemical stability**

Decomposes violently when heated above 100°C. Incompatible with fluorine.

Conditions to avoid Avoid all possible sources of ignition (spark or flame). Do not pressurize, cut, weld,

braze, solder, drill, grind or expose containers to heat or sources of ignition.

: Reactive or incompatible with the following materials: Materials to avoid

oxidizing materials

Under normal conditions of storage and use, hazardous decomposition products should **Hazardous decomposition** products not be produced.

: Under normal conditions of storage and use, hazardous reactions will not occur. Possibility of hazardous reactions

Conditions of reactivity : Flammable in the presence of the following materials or conditions: open flames, sparks

and static discharge.

Hazardous polymerization : Under normal conditions of storage and use, hazardous polymerization will not occur.

Toxicological information

Acute toxicity

Product/ingredient name	Test	Species	Result	Dose
naphthalene -		Rat	LC50 Inhalation	>340 mg/m ³
			Vapor	
-		Rabbit	LD50 Dermal	>2000 mg/kg
-	- 4	Rat	LD50 Dermal	>2500 mg/kg
-		Rat	LD50 Oral	490 mg/kg
Solvent naphtha (petroleum), -		Rat	LC50 Inhalation	>590 mg/m ³
heavy arom.			Vapor	
		Rabbit	LD50 Dermal	>2 mL/kg
		Rat	LDLo Oral	5 mL/kg
2-ethylhexyl nitrate -		Rat	LCLo Inhalation	>4.6 mg/l
			Vapor	
		Rabbit	LD50 Dermal	>4820 mg/kg
		Rat	LD50 Oral	>9640 mg/kg
xylene - x		Rabbit	LD50 Dermal	4320 mg/kg
		Rat	LD50 Oral	4300 mg/kg
ethylbenzene -		Mouse	LC50 Inhalation	35500 mg/m ³
			Vapor	
		Rabbit	LC50 Inhalation	4000 ppm
			Vapor	
- 2		Rabbit	LD50 Dermal	>5000 mg/kg

Irritation/Corrosion

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11. Toxicological information

Product/ingredient name	Test	Species	Result	
Solvent naphtha (petroleum), heavy arom.	-	Rabbit	Skin - Mild irritant	-
	-	Mammal - species unspecified	Eyes - Mild irritant	-
2-ethylhexyl nitrate	OECD 437	Mammal - species unspecified	Eyes - Mild irritant	-
	OECD 405 Acute Eye Irritation/ Corrosion	Rabbit	Eyes - Mild irritant	-
xylene	-	Rabbit	Eyes - Severe irritant	-
	-	Rat	Skin - Mild irritant	-
	-	Rabbit	Skin - Moderate irritant	-
ethylbenzene	-	Rabbit	Eyes - Severe irritant	-
	-	Rabbit	Skin - Mild irritant	-

Sensitizer

Product/ingredient name	Test	Species	Result
2-ethylhexyl nitrate	OECD 406 Skin Sensitization	Guinea pig	Not sensitizing -

Carcinogenicity

Classification

Product/ingredient name	ACGIH	IARC	EPA	NIOSH	NTP	OSHA
naphthalene	A4	2B		-	Reasonably anticipated to be a human	-
xylene	A4	3	4	_	carcinogen.	_
ethylbenzene	A3	2B	-	-	-	-

Mutagenicity

Product/ingredient name	Test	Experiment	Result
2-ethylhexyl nitrate	OECD 473	Experiment: In vitro	Negative
		Subject: Mammalian-Human	

Reproductive toxicity

Product/ingredient name	Test	Species	Result	Dose
2-ethylhexyl nitrate	OECD 421 OECD 421			Oral: 100 mg/kg Oral: 20 mg/kg

12. Ecological information

Aquatic ecotoxicity

Product/ingredient name	Result	Species	Exposure
naphthalene	Acute EC50 1.96 mg/l Fresh water	Daphnia - Daphnia magna	48 hours
	Acute LC50 2350 µg/l Marine water	Crustaceans - Palaemonetes	48 hours
Solvent naphtha (petroleum), heavy arom.	Acute LC50 1.6 mg/l Acute EC50 1 to 3 mg/l	pugio Fish Algae	96 hours 72 hours
neavy arom.	Acute EC50 3 to 10 mg/l	Daphnia	48 hours
	Acute LC50 2 to 5 mg/l	Fish	96 hours

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12. Ecological information

2-ethylhexyl nitrate	Acute EC50 1 to 10 mg/l Estimated.	Algae	72 hours
	Nominal Concentration		
	Acute EC50 >10 mg/l Estimated.	Daphnia	48 hours
	Acute LC50 2 mg/l	Fish - Danio rerio	96 hours
1,2,4-trimethylbenzene	Acute LC50 7.72 mg/l	Fish	96 hours
xylene	Acute LC50 3.3 mg/l	Fish	96 hours
ethylbenzene	Acute EC50 4600 µg/l Fresh water	Algae - Pseudokirchneriella	72 hours
		subcapitata	
	Acute EC50 3600 μg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
	Acute EC50 7.2 mg/l	Algae	48 hours
	Acute EC50 2.93 mg/l	Daphnia	48 hours
	Acute LC50 4.2 mg/l	Fish	96 hours
	Chronic NOEC <1000 µg/l Fresh water	Algae - Pseudokirchneriella	96 hours
		subcapitata	
	Chronic NOEC 6800 µg/l Fresh water	Daphnia - Daphnia magna	48 hours

13. Disposal considerations

Disposal should be in accordance with applicable regional, national and local laws and regulations. Local regulations may be more stringent than regional or national requirements.

The information presented below only applies to the material as supplied. The identification based on characteristic(s) or listing may not apply if the material has been used or otherwise contaminated. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste identification and disposal methods in compliance with applicable regulations.

Refer to Section 7: HANDLING AND STORAGE and Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for additional handling information and protection of employees.

14. Transport information

Regulatory information	UN number	Proper shipping name	Classes	PG*	Label	Additional information
	Se l'al	3 Kelli				

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POWERGUARD(TM) 2630 of1 14. Transport information **DOT Classification** NA1993 Combustible liquid, n. Combustible Reportable quantity Ш o.s. (Solvent naphtha liquid. 2121.6 lbs / 963.19 kg (petroleum), heavy [273 gal / 1033.4 L] arom., 2-ethylhexyl Package sizes nitrate). Marine shipped in quantities pollutant (Solvent less than the product naphtha (petroleum), reportable quantity are heavy arom., not subject to the RQ 2-ethylhexyl nitrate) (reportable quantity) RQ (naphthalene, transportation xylene) requirements. Limited quantity Yes. **Packaging** instruction Passenger aircraft Quantity limitation: 60 Cargo aircraft Quantity limitation: 220 L Special provisions IB3, T4, TP1 UN3082 **ENVIRONMENTALLY** 9 **IMDG Class** Ш The marine pollutant **HAZARDOUS** mark is not required SUBSTANCE. when transported in LIQUID, N.O.S. sizes of ≤5 L or ≤5 kg. (Solvent naphtha (petroleum), heavy Emergency arom., 2-ethylhexyl schedules (EmS) nitrate). Marine F-A, S-F pollutant (Solvent naphtha (petroleum), Special provisions heavy arom., 274, 335 2-ethylhexyl nitrate)

PG* : Packing group

IATA-DGR Class

UN3082

Flash point : Closed cup: >61°C (>141.8°F) [Pensky-Martens.]

Environmentally hazardous substance, liquid, n.o.s. (Solvent naphtha (petroleum), heavy arom., 2-ethylhexyl nitrate)

Remarks re DOT:

This material is not regulated under 49CFR 173.150(f) in a container of 119 gallon capacity or less when transported solely by land, as long as the material is not a hazardous waste, a

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marine pollutant, or specifically listed as a hazardous substance.

The requirements of this subchapter, 49CFR 171.4(c), specific to marine pollutants do not apply to non-bulk packagings transported by motor vehicle, rail car or aircraft.

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Regulatory information

HCS Classification

Toxic material Irritating material Carcinogen Target organ effects

U.S. Federal regulations

: TSCA 4(a) final test rules: naphthalene

TSCA 8(a) PAIR: naphthalene

TSCA 8(a) CDR Exempt/Partial exemption: Not determined

United States inventory (TSCA 8b): All components are listed or exempted.

TSCA 12(b) one-time export: naphthalene SARA 302/304: No products were found.

SARA 311/312 Hazards identification: Immediate (acute) health hazard, Delayed

(chronic) health hazard

Clean Water Act (CWA) 307: naphthalene; ethylbenzene; toluene Clean Water Act (CWA) 311: naphthalene; xylene; toluene

Clean Air Act Section 112 : Listed

(b) Hazardous Air **Pollutants (HAPs)**

Clean Air Act Section 602 : Not listed

Class I Substances

Clean Air Act Section 602 : Not listed

Class II Substances

DEA List I Chemicals

(Precursor Chemicals)

DEA List II Chemicals (Essential Chemicals)

: Not listed

: Not listed

SARA 313

	Product name	CAS number	Concentration
Form R - Reporting requirements	naphthalene 1,2,4-trimethylbenzene xylene ethylbenzene	91-20-3 95-63-6 1330-20-7 100-41-4	0.99 - 4.99 0.99 - 4.99 0.99 - 4.99 0.09 - 0.99
Supplier notification	naphthalene 1,2,4-trimethylbenzene xylene ethylbenzene	91-20-3 95-63-6 1330-20-7 100-41-4	0.99 - 4.99 0.99 - 4.99 0.99 - 4.99 0.09 - 0.99

SARA 313 notifications must not be detached from the MSDS and any copying and redistribution of the MSDS shall include copying and redistribution of the notice attached to copies of the MSDS subsequently redistributed.

State regulations

Massachusetts The following components are listed: NAPHTHALENE; PSEUDOCUMENE; XYLENE

New York The following components are listed: Naphthalene; Xylene (mixed) The following components are listed: NAPHTHALENE; MOTH FLAKES; **New Jersey**

PSEUDOCUMENE; 1,2,4-TRIMETHYL BENZENE; XYLENES; BENZENE, DIMETHYL-

Pennsylvania The following components are listed: NAPHTHALENE; PSEUDOCUMENE; BENZENE,

DIMETHYL-

California Prop. 65

WARNING: This product contains a chemical known to the State of California to cause cancer.

WARNING: This product contains less than 1% of a chemical known to the State of California to cause birth defects or other reproductive harm.

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

Date of issue June 26, 2014 11/13

SUC: 03-Solvents - Flashpoint >100 F External Key: 10-3011, 88861698

MATERIAL SAFETY DATA SHEET

Print Date: 07.Oct.2014

Corporate Synonyms: ACDelco Diesel Fuel

Conditioner

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Regulatory information

Ingredient name	Cancer	Reproductive	No significant risk level	Maximum acceptable dosage level	Contains : % or ppm
naphthalene	Yes.	No.	Yes.	No.	0.99 - 4.99
ethylbenzene	Yes.	No.	41 μg/day (ingestion) 54 μg/day (inhalation)	No.	0.09 - 0.99
cumene	Yes.	No.	No.	No.	<100ppm
toluene	No.	Yes.	No.	7000 µg/day (ingestion) 13000 µg/day (inhalation)	<1ppm

International lists

United States inventory (TSCA 8b)

: All components are listed or exempted.

Canada inventory Australia inventory (AICS)

: All components are listed or exempted. : At least one component is not listed.

China inventory (IECSC)

: At least one component is not listed.

EU Inventory

At least one component is not listed in EINECS but all such components are listed in

ELINCS.

Please contact your supplier for information on the inventory status of this material.

Japan inventory (ENCS) Korea inventory (KECI) **New Zealand Inventory of** At least one component is not listed. At least one component is not listed.

Chemicals (NZIoC)

Not determined.

Philippines inventory (PICCS)

: At least one component is not listed.

16. Other information

Hazardous Material Information System (U.S.A.)



Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on MSDSs under 29 CFR 1910. 1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

The customer is responsible for determining the PPE code for this material.

National Fire Protection Association (U.S.A.)



This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

Date of issue June 26, 2014 12/13

IC 02 Cabrata Flashasiat 400

SUC: 03-Solvents - Flashpoint >100 F **External Key:** 10-3011, 88861698

MATERIAL SAFETY DATA SHEET

Print Date: 07.Oct.2014

Corporate Synonyms: ACDelco Diesel Fuel

Conditioner

POWERGUARD(TM) 2630 of1

16. Other information

Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Date of printing : **26-06-2014. Date of issue** : 26-06-2014.

Date of previous issue : No previous validation.

Version : 1

▼ Indicates information that has changed from previously issued version.

Emergency contact numbers for local language support in Asia Pacific region

Country information	Languages supported	Telephone no.:	Location
Australia	English	+61 2 8014 4558	Australia
Bangladesh	Bengali, English	+65 3158 1200	Singapore
China	Mandarin, English	+86 10 5100 3039	Beijing China
India	Hindi, English	+65 3158 1198	Singapore
Indonesia (local toll free number)	Bahasa Indonesian, English	00780 3011 0293	Indonesia
Japan	Japanese, English	+81 3 4578 9341	Japan
Korea	Korean, English	+65 3158 1285	Singapore
Malaysia	Bahasa Malaysian, English	+60 3 6207 4347	Malaysia
New Zealand	English	+61 9929 1483	Australia
Pakistan	Urdu, English	+65 3158 1329	Singapore
Philippines	Tagalog, English	+65 3158 1203	Singapore
Sri Lanka	Sinhalese, English	+65 3158 1195	Singapore
Thailand (local toll free number)	Thai, English	001800 1 2066 6751	Thailand
Vietnam	Vietnamese, English	+65 3158 1255	Singapore

Notice to reader

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.

This Material Safety Data Sheet conforms to the requirements of ANSI Z400.1.

Date of issue : June 26, 2014 13/13