

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Revision Date: 05/05/2015

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Version: 1.0

SECTION 1: IDENTIFICATION

1.1. Product Identifier

Product Name: 6244 Speedy Brightener II

1.2. Intended Use of the Product

Tire Dressing

1.3. Name, Address, and Telephone of the Responsible Party

Company

Ardex Laboratories, Inc.

2050 Byberry Rd

Philadelphia, PA 19116

T 215-698-0500

ardexlabs.com

1.4. Emergency Telephone Number

Emergency Number : 800-424-9300

CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture

Classification (GHS-US)

Flammable Liq.	2	H225
Aspiration	1	H304
Skin Irritation	2	H315
Specific Target Organ Single Exposure	3	H335,H336
Hazardous to Aquatic env. chron.	2	H411

Full text of H-phrases: see section 16

2.2. Label Elements

GHS-US Labeling

Hazard Pictograms (GHS-US) :



Signal Word (GHS-US) :

DANGER

Hazard Statements (GHS-US) :

H225 - Highly flammable liquid and vapor
H304 - May be fatal if swallowed and enters airways
H315 - Causes skin irritation
H335 - May cause respiratory irritation
H336 - May cause drowsiness or dizziness
H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements (GHS-US) :

Prevention | P261 - Avoid breathing dust, fume, gas, mist, vapours and/or spray.
P264 - Wash thoroughly after handling.
P273 - Avoid release to the environment.
P240 - Ground and/or bond container and receiving equipment.
P210 - Keep away from heat, sparks, open flames and/or hot surfaces. - No smoking.
Response | P321 - Specific treatment, see supplemental first aid information.
P304+P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P362 - Take off contaminated clothing and wash before reuse.
P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Storage/Disposal | P403+P233 - Store in a well-ventilated place. Keep container tightly closed.
P501 - Dispose of content and/or container in accordance with local, regional, national, and/or international regulations.

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

2.3. Other Hazards

Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.
CLP | According to Regulation (EC) No. 1272/2008 (CLP) this material is considered hazardous.
DSD/DPD | This product is considered dangerous according to the European Directive 67/548/EEC.

2.4. Unknown Acute Toxicity (GHS-US) No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixture

Name	Product Identifier	% (w/w)
POLYDIMETHYLSILOXANE(Not Regulated)	(CAS No) 9016-00-6	<40
ALIPHATIC PETROLEUM DISTILLATE	(CAS No) 64742-89-8	<40
HEPTANE	(CAS No) 142-82-5	<40

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures

General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible).

Inhalation: Do not use mouth-to-mouth method if victim inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Move victim to fresh air. Administer oxygen if breathing is difficult. Give artificial respiration if victim is not breathing. Get medical attention if artificial oxygen is administered.

Skin Contact: In case of contact with substance, immediately flush skin with running water for at least 20 minutes. For minor skin contact, avoid spreading material on unaffected skin. Remove and isolate contaminated clothing and shoes. Call 911 or emergency medical service.

Eye Contact: In case of contact with substance, immediately flush eyes with running water for at least 20 minutes.

Ingestion: Do NOT induce vomiting. Do not use mouth-to-mouth method if victim ingested the substance. Get medical attention immediately.

4.2. Most Important Symptoms and Effects Both Acute and Delayed

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If material is ingested and aspirated into the lungs it may cause chemical pneumonitis. Treat appropriately.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media | LARGE FIRE: Water spray, fog or regular foam.

SMALL FIRES: Dry chemical, CO₂, water spray or regular foam.

Unsuitable Extinguishing No data available

5.2. Special Hazards Arising From the Substance or Mixture

Unusual Fire and Explosion Hazards - | Heat builds up pressure in closed containers. Cool with water stream.

Toxic fumes and vapors may be produced.

Hazardous Combustion

Products

| Carbon dioxide, carbon monoxide, acrid smoke, irritating fumes.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present.

Firefighting Instructions: Structural firefighters' protective clothing provides limited protection in fire situations ONLY; it is not effective in spill situations where direct contact with the substance is possible. Wear positive pressure self-contained breathing apparatus (SCBA). Wear chemical protective clothing that is specifically recommended by the manufacturer. It may provide little or no thermal protection. Runoff from fire control may cause pollution.

LARGE FIRES: Dike fire-control water for later disposal

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Hazardous Combustion Products: Carbon oxides (CO, CO₂).

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Reference to Other Sections

Refer to section 9 for flammability properties.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate enclosed areas.

6.1.2. For Emergency Personnel

As an immediate precautionary measure, isolate spill or leak area in all directions for at least 50 meters (150 feet) for liquids and at least 25 meters (75 feet) for solids. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) Stay upwind. Keep out of low areas. Keep unauthorized personnel away. Ventilate enclosed spaces before entering.

6.2. Environmental Precautions

Avoid run off to waterways and sewers.

6.3. Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clear up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling

Hygiene Measures: Keep away from heat, sparks, and flame – No Smoking. Keep containers closed. Vapors of this material are heavier than air and will collect in low or confined areas. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations near container. Static electricity may accumulate and create a fire hazard. Take precautionary measures against static charges. Bond and ground all transfer containers and equipment. Use only with adequate ventilation. Do not breathe (dust, vapor or spray mist) Ground fixed equipment.

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Comply with applicable regulations.

Storage Conditions: Store in a dry, cool and well-ventilated place. Keep container closed when not in use. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.

Incompatible Materials: None classified.

7.3. Specific End Use(s)

Tire Dressing

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters

For substances listed in section 3 that are not listed here, there are no established Exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government

Ingredients	Basis	Value	Control Parameters	Note
n-Heptane	OSHA Z-1	TWA	500 ppm, 2,000 mg/m ³	(b)
	OSHA Z-1-A	TWA	400 ppm, 1,600 mg/m ³	
	OSHA Z-1-A	STEL	500 ppm, 2,000 mg/m ³	
	ACGIH	TWA	400ppm	
	ACGIH	STEL	500ppm	

8.2. Exposure Controls

Appropriate Engineering Controls: Ensure adequate ventilation, especially in confined areas. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure all national/local regulations are observed.

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Personal Protective Equipment: Protective goggles. Gloves. Protective clothing.



Materials for Protective Clothing: Chemically resistant materials and fabrics.

Hand Protection: Wear chemically resistant protective gloves.

Eye Protection: Chemical goggles or safety glasses.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn.

Environmental Exposure Controls: Do not allow the product to be released into the environment.

Consumer Exposure Controls: Do not eat, drink or smoke during use.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State	: Liquid
Appearance	: Clear , free-flowing blue-tint with a characteristic error
Odor	: Hydrocarbon-Fruity odor
Odor Threshold	: Not available
pH	: Not available
Evaporation Rate	: Not available
Melting Point	: Not available
Freezing Point	: -50f
Boiling Point	: 250-260f
Flash Point	: 42f
Auto-ignition Temperature	: Not available
Decomposition Temperature	: Not available
Flammability (solid, gas)	: Not available
Lower Flammable Limit	: Not Available
Upper Flammable Limit	: Not Available
Vapor Pressure	: 20EC @(20c)
Relative Vapor Density at 20 °C	: Not available
Relative Density	: Not available
Specific Gravity	: >0.800-0.850(@20 DEG. C)
Solubility	: Insoluble in water
Partition Coefficient: N-Octanol/Water	: Not available
Viscosity	: Not available
Viscosity, Dynamic	: Notavailable
Explosion Data – Sensitivity to Mechanical Impact	: Not available
Explosion Data – Sensitivity to Static Discharge	: Not available

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity:** Hazardous reactions will not occur under normal conditions.
- 10.2. Chemical Stability:** Stable under recommended handling and storage conditions (see section 7).
- 10.3. Possibility of Hazardous Reactions:** May react with oxygen and strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
- 10.4. Conditions to Avoid:** Direct sunlight. Extremely high or low temperatures. Incompatible materials.
- 10.5. Incompatible Materials:** Strong acids. Strong bases. Strong oxidizers.
- 10.6. Hazardous Decomposition Products:** Decomposition products may include the following materials: phosphorus oxides
metal oxide/oxides

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information on Toxicological Effects – Product

Acute toxicity

n-Heptane : LD50: > 5,000 mg/kg
142-82-5 Species: rat
Method: OECD Test Guideline 401
Information given is based on data obtained from similar substances.
VM&P : LD50>8g/kg
Naptha Species: Rat
Route: Ingestion/oral, Duration: NDA

Inhalation Toxicity

n-Heptane : LC50: > 29.29 mg/l
142-82-5 Exposure time: 4 h
Species: rat
Sex: male and female
Test atmosphere: vapor
Method: OECD Test Guideline 403
VM&P : LC50=3400ppm
Naptha Species: rat
Route: Inhalation, duration: 4hours

Dermal Toxicity

n-Heptane : LD50: > 2,000 mg/kg
142-82-5 Species: rabbit
Sex: male and female
Method: OECD Test Guideline 402
Information given is based on data obtained from similar substances.

Irritation/Corrosion

Heptane – Irritating to skin. May cause skin irritation in susceptible persons

Sensitization

There is no data available.

Mutagenicity

There is no data available.

Carcinogenicity

There is no data available.

Reproductive toxicity

There is no data available

Teratogenicity

There is no data available

Specific target organ toxicity (single exposure)

n-Heptane : Species: rat
142-82-5 Application Route: Inhalation
Dose: 0, 900, 3000, 9000 ppm
Number of exposures: 6 hr/d, 5 d/wk
Test period: 13 wk
Method: OECD Test Guideline 416
NOAEL Parent: 9000 ppm
NOAEL F1: 3000 ppm
NOAEL F2: 3000 ppm

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

Specific target organ toxicity

Name	Category	Route of exposure	Target organs
n-Heptane 142-82-5	3	N/A	Narcotic effects
VM&P Naptha 6472-89-8	3	N/A	Narcotic effects Respiratory irritation

Aspiration hazard

n-Heptane (Pure Grade) Aspiration toxicity : May be fatal if swallowed and enters airways. Substances known to cause human aspiration toxicity hazards or to be regarded as if they cause human aspiration toxicity hazard.

VM&P Naptha : Material may be aspirated into the lungs during ingestion and/or subsequent vomiting. Aspiration of this material will cause severe lung injury, chemical pneumonitis, pulmonary edema or death.

Information on the likely routes of exposure : Dermal contact. Eye contact. Inhalation. Ingestion.

Potential acute health effects

Eye contact : Causes serious eye irritation.

Inhalation : May cause respiratory irritation. May affect the central nervous system. Symptoms may include dizziness, drowsiness, lethargy, coma and death.

Skin contact : Causes skin irritation. May be harmful in contact with skin

Ingestion: : Irritating to mouth, throat and stomach.

Aspiration: : May be fatal if swallowed and enters airways

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact : Adverse symptoms may include the following: pain or irritation, watering redness

Inhalation Skin : No known significant effects or critical hazards.

contact : Adverse symptoms may include the following: irritation redness

Ingestion : No known significant effects or critical hazards.

Delayed and immediate effects and also chronic effects from short and long term exposure Short term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Long term exposure

Potential immediate effects : No known significant effects or critical hazards.

Potential delayed effects : No known significant effects or critical hazards.

Potential chronic health effects

General : May cause damage to organs through prolonged or repeated exposure.

Carcinogenicity : No known significant effects or critical hazards

Mutagenicity : No known significant effects or critical hazards.

Teratogenicity : No known significant effects or critical hazards.

Developmental effects : No known significant effects or critical hazards.

Fertility effects : No known significant effects or critical hazards.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

n-Heptane : LL50: 1.284 mg/l

142-82-5 Exposure time: 96 h

Species: Oncorhynchus mykiss (rainbow trout)

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

		Method: QSAR
		LC50: 375 mg/l
		Exposure time: 96 h
		Species: Tilapia mosambica (Fish)
n-Heptane	:	EC50: 1.5 mg/l
142-82-5		Exposure time: 48 h
		Species: Daphnia magna (Water flea)
		static test Toxic to aquatic organisms.
		LC50: 0.1 mg/l
		Exposure time: 96 h
		Species: Mysidopsis bahia (mysid shrimp)
		semi-static test Very toxic to aquatic organisms.
n-Heptane	:	EL50: 4.338 mg/l
142-82-5		Exposure time: 72 h
		Species: Pseudokirchneriella subcapitata
		Method: QSAR
VM&P Naptha	:	Exposure time: 21days
6472-89-8		Species: Crustacea: Daphnia magna
		Dosage: 3.8mg/L

Persistence and degradability – n-Heptane: Readily biodegradable (70%) 10d

Bioaccumulative potential – No data available

Mobility in soil – No data available

13.1. Waste treatment methods

Sewage Disposal Recommendations: This material is hazardous to the aquatic environment. Keep out of sewers and waterways.

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, provincial, territorial and international regulations.

SECTION 14: TRANSPORT INFORMATION

- | | | |
|-------|-------------------------|---|
| 14.1. | In Accordance with DOT | UN1206, HEPTANES, 3, II |
| 14.2. | In Accordance with IMDG | UN1206, HEPTANES, 3, II, (-4 °C), MARINE POLLUTANT, (N-HEPTANE) |
| 14.3. | In Accordance with IATA | UN1206, HEPTANES, 3, II |
| 14.4. | In Accordance with TDG | Not regulated for transport |

SECTION 15: REGULATORY INFORMATION

15.1. US Federal Regulations

6244 Speedy Brightener II

SARA Section 311/312 Hazard Classes	Fire Hazard, Acute Health Hazard
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n-Heptane: 142-82-5

CERCLA Reportable Quantity : This material does not contain any components with a CERCLA RQ.

SARA 302 Reportable Quantity : This material does not contain any components with a SARA 302 RQ.

SARA 302 Threshold Planning Quantity : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 304 Reportable Quantity : This material does not contain any components with a section 304 EHS RQ.

SARA 313 Ingredients : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

15.2. US State Regulations

State regulations California Prop. 65

6244 Speedy Brightener II

Safety Data Sheet

According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations

No products were found.

Pennsylvania Right To know: n-Heptane – 142-82-5

New Jersey Right To Know: n-Heptane – 142-82-5

International regulations

not determined

SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

Revision Date : 05/05/2015

Other Information : This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

Party Responsible for the Preparation of This Document

Ardex Laboratories, Inc. 2050 Byberry rd Philadelphia, PA 19116 T: 215-698-0500 ardexlabs.com

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

North America GHS US 2012