

1 Identification of substance

Product details

Trade name: Pieri Release 844 □

MSDS ID Number: D-06348

Manufacturer/Supplier:

W.R. Grace & Co. -Conn.
62 Whittemore Avenue
Cambridge, MA 02140 USA

Information department:

Environmental Health & Safety
USA: 1-617-876-1400 (24 hours)
1-800-354-5414 (8AM - 5PM)

Transport Emergency: Chemtrec 1-800-424-9300 (24 hours)

2 Composition/Data on components

Chemical characterization

Description: Mixture of the substances listed below with nonhazardous additions.

Hazardous components:

64742-47-8	Distillates (petroleum), hydrotreated light	Xn, F; R 11-65-66-67	30-50%
120962-03-0	Canola oil		30-50%

Additional information: For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

Hazard description:



Xn Harmful

Information pertaining to particular dangers for man and environment:

At long or repeated contact with skin it may cause dermatitis due to the degreasing effect of the solvent.

Has a narcotizing effect.

Combustible.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking

Vapors may cause drowsiness and dizziness

Classification system:

The classification was made according to the latest editions of international substances lists, and expanded upon from company and literature data.

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Reviewed on 02/28/2008

Trade name: **Pieri Release 844** □**NFPA ratings (scale 0 - 4)**

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Health = 2
 Fire = 2
 Reactivity = 0

HMIS-ratings (scale 0 - 4)

Health = *2
 Flammability = 2
 Reactivity = 0

4 First aid measures**After inhalation:**

If symptoms develop, supply fresh air. If required, provide artificial respiration and seek immediate medical treatment.

After skin contact:

Immediately wash contaminated skin with soap or mild detergent and water. If this chemical soaks clothing, immediately remove clothing and wash skin.

If skin irritation continues, consult a doctor.

After eye contact:

Rinse opened eye for several minutes under running water.

Seek immediate medical advice.

After swallowing: Do not induce vomiting; immediately call for medical help.

5 Fire fighting measures**Suitable extinguishing agents:**

CO₂, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

Additional information

Cool endangered receptacles with water spray.

Collect contaminated fire fighting water separately. It must not enter the sewage system.

6 Accidental release measures

Person-related safety precautions: Wear protective equipment. Keep unprotected persons away.

Measures for environmental protection: Prevent seepage into sewage system, workpits and cellars.

Measures for cleaning/collecting:

Contain and/or absorb spill with inert material (i.e. sand, vermiculite) then place in a suitable container.

Sweep up spilled product into receptacles.

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Dispose contaminated material as waste according to section 13 of the MSDS.

Additional information:

Oil spills released directly to waterways may be subject to National Response Center reporting (1-800-424-8802).
Contact your company's environmental coordinator.

7 Handling and storage**Handling:****Information for safe handling:**

Open and handle receptacle with care.

Prevent formation of aerosols.

Flammable mixtures with air can be formed in emptied containers. Do not puncture, cut, drill, heat or weld uncleaned drums.

Information about protection against explosions and fires:

Use only in explosion protected area.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Empty containers may retain hazardous residue, both liquid and vapor. Do not cut, drill, grind or weld on or near container, whether empty or full.

Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).

Use only with adequate ventilation. Forced ventilation is necessary in pits and poorly ventilated areas.

Storage:

Requirements to be met by storerooms and receptacles: Store in a cool location.

Information about storage in one common storage facility:

Keep ignition sources away - Do not smoke.

Use only in explosion protected area.

Protect against electrostatic charges.

Use explosion-proof apparatus / fittings and spark-proof tools.

Further information about storage conditions: None.

8 Exposure controls and personal protection

Additional information about design of technical systems: No further data; see item 7.

Components with limit values that require monitoring at the workplace:

64742-47-8 Distillates (petroleum), hydrotreated light

TLV	200 mg/m ³
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Additional information: The lists that were valid during the creation were used as basis.

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Personal protective equipment:**General protective and hygienic measures:** Avoid contact with the eyes and skin.**Breathing equipment:**

A chemical cartridge respirator with organic vapor cartridge is required. A dust/mist cartridge or prefilter may be needed in addition to control exposure to mist. Supplied air respirator (SCBA) is required at exposure levels above the capabilities of a chemical cartridge respirator.

Protection of hands:

Gloves should be worn to prevent skin contact and should be impermeable and resistant to the product.

Material of gloves

Gloves should be impermeable and resistant to the product. Selection of material should be considered before use.

Eye protection:

Tightly sealed goggles

Face protection

Safety glasses with side shields should be worn to prevent contact due to splashing. Under high vapor mist concentrations, tightly sealed goggles should be worn.

Body protection: Protective work clothing**9 Physical and chemical properties****General Information**

Form:	Liquid
Color:	According to product specification
Odor:	Characteristic

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	199°C (390°F)

Flash point: 63°C (145°F)**Ignition temperature:** 210°C (410°F)**Auto igniting:** Product is not selfigniting.**Danger of explosion:** In use, may form flammable/explosive vapor-air mixture.**Explosion limits:**

Lower:	0.5 Vol %
Upper:	6.5 Vol %

VOC Content (max): 50.00 %**Vapor pressure at 20°C (68°F):** 2 hPa (2 mm Hg)

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Density at 20°C (68°F):	0.83759 g/cm ³
Solubility in / Miscibility with Water:	Not miscible or difficult to mix.

10 Stability and reactivity**Thermal decomposition:** No decomposition if used according to specifications.**Dangerous products of decomposition:**

Carbon monoxide and carbon dioxide

Hydrocarbons

Other potentially hazardous products may also be formed.

Additional information: See section 7 for information on handling, storage and conditions to be avoided.**11 Toxicological information****Acute toxicity:****Primary irritant effect:****on the skin:** May be irritating to the skin on prolonged contact**on the eye:** May be irritating to the eyes.**Additional toxicological information:**

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking

Over exposure by inhalation may be fatal due to pulmonary edema (fluid in lungs). This material may be harmful or fatal if swallowed. Ingestion may result in vomiting. Aspiration (breathing) of vomitus into lungs must be avoided as even small quantities may result in aspiration pneumonitis.

12 Ecological information**Additional ecological information:****General notes:**

Water hazard class 2 (Self-assessment): hazardous for water

Do not allow product to reach ground water, water course or sewage system.

Danger to drinking water if even small quantities leak into the ground.

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13 Disposal considerations**Product:**

Comply with Federal, State and local regulations.

Waste product is defined as hazardous by US EPA due to ignitability (D001).

Uncleaned packagings:**Recommendation:** Disposal must be made according to official regulations.**14 Transport information****DOT regulations:****Hazard class:** Not Regulated**Identification number:****Packing group:****Proper shipping name (technical name):****Land Transport ADR/RID (cross-border):****UN-Number:** Not Regulated**Packaging group:****Description of goods:****Maritime Transport IMDG:****IMDG Class:** Not Regulated**UN Number:****Packaging group:****Marine pollutant:****Proper shipping name:****Air Transport ICAO-TI and IATA-DGR:****ICAO/IATA Class:****UN/ID Number:****Packaging group:****Proper shipping name:****15 Regulations****SARA (Superfund Amendments and Reauthorization Act)****Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

Section 313 (specific toxic chemical listings):

None of the ingredients is listed.

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Chemical Inventory Status**TSCA (Toxic Substances Control Act - United States):**

All ingredients are listed or exempt from listing unless otherwise noted below.

CEPA (Canadian DSL):

All ingredients are listed or exempt from listing unless otherwise noted below.

California Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

WHMIS Classification(s):**Carcinogenicity Categories****EPA (Environmental Protection Agency)**

None of the ingredients is listed.

IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

NTP (National Toxicology Program)

None of the ingredients is listed.

TLV-ACGIH (Threshold Limit Value for Carcinogens established by ACGIH)

None of the ingredients is listed.

NIOSH-Cancer (National Institute for Occupational Safety and Health)

None of the ingredients is listed.

OSHA-Cancer (Occupational Safety & Health Administration)

None of the ingredients is listed.

National Volatile Organic Emission Standards for Architectural Coatings: 418.8 g/l / 3.49 lb/gal

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Product related hazard information:**Hazard symbols:**

Xn Harmful

Hazard-determining components of labelling:

Distillates (petroleum), hydrotreated light

Risk phrases:

Combustible.

Harmful: may cause lung damage if swallowed.

Repeated exposure may cause skin dryness or cracking

Vapors may cause drowsiness and dizziness

Safety phrases:

Keep out of the reach of children.

Keep container in a well-ventilated place.

Keep away from food, drink and animal feedingstuffs.

Keep away from sources of ignition - No smoking.

Do not breathe gas/fumes/vapor/spray.

Wear suitable protective clothing.

In case of fire, use sand, carbon dioxide or powdered extinguishing agent. Never use water.

If swallowed, seek medical advice immediately and show this container or label.

Not recommended for interior use on large surface areas.

Dispose of this material and its container at hazardous or special waste collection point

This material and its container must be disposed of as hazardous waste.

16 Other information

"The data included herein are presented in accordance with various environment, health and safety regulations. It is the responsibility of a recipient of the data to remain currently informed on chemical hazard information, to design and update its own program and to comply with all national, federal, state and local laws and regulations applicable to safety, occupational health, right-to-know and environmental protection."

USA