

# PD680, TYPE II Drug.



## 142 Flash Solvent

### Safety Data Sheet

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations  
Issue date: 8/27/2018 Revision date: 6/6/2023 Supersedes: 8/27/2018 Version: 1.4

#### SECTION 1: Identification

##### 1.1. Identification

Product form	:	Substance
Trade name	:	142 Flash Solvent
CAS-No.	:	64742-47-8
Product description	:	Dearomatized Hydrocarbons
Synonyms	:	distillates (petroleum), hydrotreated light / kerosine - unspecified
BIG No	:	F06678

##### 1.2. Recommended use and restrictions on use

Recommended use	:	Industrial use Solvent
Restrictions on use	:	None known

##### 1.3. Supplier

Corporate Office  
The Whitaker Company  
1557 Marietta Rd NW  
Atlanta, Georgia 30318

TEL: 404-355-8220

##### 1.4. Emergency telephone number

Emergency number	:	CHEMTRAC 800-424-9300
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#### SECTION 2: Hazard(s) identification

##### 2.1. Classification of the substance or mixture

###### GHS US classification

Flammable liquids Category 4	H227
Aspiration hazard Category 1	H304

Full text of H statements : see section 16

##### 2.2. GHS Label elements, including precautionary statements

###### GHS US labeling

Hazard pictograms (GHS US) :



Signal word (GHS US)	:	Danger
Hazard statements (GHS US)	:	H227 - Combustible liquid H304 - May be fatal if swallowed and enters airways

Precautionary statements (GHS US)	:	P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P280 - Wear eye protection, face protection, protective clothing, protective gloves. P301+P310 - If swallowed: Immediately call a poison center or doctor.
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P331 - Do NOT induce vomiting.  
P332+P313 - If skin irritation occurs: Get medical advice/attention.  
P370+P378 - In case of fire: Use media other than water to extinguish..  
P403+P235 - Store in a well-ventilated place. Keep cool.  
P405 - Store locked up.  
P501 - Dispose of contents/container in accordance with local, regional, national, and/or international regulations.

### 2.3. Other hazards which do not result in classification

No additional information available

### 2.4. Unknown acute toxicity (GHS US)

No additional information available

## SECTION 3: Composition/Information on ingredients

### 3.1. Substances

Name	Product identifier	Conc.	GHS US classification
Distillates (Petroleum), Hydrotreated Light	CAS-No.: 64742-47-8	100%	Flam. Liq. 4, H227 Asp. Tox. 1, H304

Defined as a complex substance.

### 3.2. Mixtures

Not applicable

## SECTION 4: First-aid measures

### 4.1. Description of first aid measures

First-aid measures general	: Call a physician immediately.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor/physician if you feel unwell.
First-aid measures after skin contact	: Wash skin with plenty of soap and water. Take off contaminated clothing. Launder contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention.
First-aid measures after eye contact	: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
First-aid measures after ingestion	: Do not induce vomiting. Call a physician immediately.

### 4.2. Immediate medical attention and special treatment, if necessary

Treat symptomatically.

## SECTION 5: Fire-fighting measures

### 5.1. Suitable (and unsuitable) extinguishing media

Suitable extinguishing media : Water spray. Dry powder. Foam. Carbon dioxide.

Inappropriate Extinguishing media: straight streams of water

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### 5.2. Specific hazards arising from the chemical

Fire hazard	: Combustible liquid. Vapors are flammable and heavier than air. Vapors may travel across the ground and reach remote ignition sources causing a flashback fire danger.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.

### 5.3. Special protective equipment and precautions for fire-fighters

Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

Emergency procedures	: Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
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#### 6.1.2. For emergency responders

Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
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### 6.2. Environmental precautions

Avoid release to the environment.

### 6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Take up liquid spill into absorbent material. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.

### 6.4. Reference to other sections

For further information refer to section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Precautions for safe handling	: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin and eyes.
Hygiene measures	: Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.

### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Store in a well-ventilated place. Keep cool. Store locked up. Keep container tightly closed. <b>Suitable Containers/ Packing:</b> Tank Trucks; Drums; Barges; Tank Cars <b>Suitable Materials and Coatings (Chemical Compatibility):</b> Carbon Steel; Stainless Steel; Teflon; Polyethylene; Polypropylene <b>Unsuitable Materials and Coatings:</b> Butyl Rubber; Natural Rubber; Ethylene-propylene-diene monomer (EPDM)
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### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Distillates (Petroleum), Hydrotreated Light (64742-47-8)

##### USA - ACGIH - Occupational Exposure Limits

RCP- TWA [ppm]	184 ppm (vapor) / 1200 mg/m <sup>3</sup>
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#### 8.2. Appropriate engineering controls

Appropriate engineering controls : Ensure good ventilation of the work station.  
Environmental exposure controls : Avoid release to the environment.

#### 8.3. Individual protection measures/Personal protective equipment

##### Hand protection:

Chemical gloves are recommended.

##### Eye protection:

If contact is likely, safety glasses with side shields are recommended.

##### Skin and body protection:

Chemical/ oil resistant clothing is recommended.

##### Respiratory protection:

[In case of inadequate ventilation] wear respiratory protection.

##### Personal protective equipment symbol(s):



### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Color	: Colorless
Odor	: Mixture contains one or more component(s) which have the following odor: Slight
Odor threshold	: No data available
pH	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: 374 – 412 °F
Flash point	: 147 °F
Relative evaporation rate (butyl acetate=1)	: 0.04 [In-house method]
Flammability (solid, gas)	: Not applicable.
Vapor pressure	: 0.3 mm Hg
Relative vapor density at 20°C	: No data available
Relative density (15.6°C)	: 0.79 (calculated; with respect to water)
Density	: 0.8
Solubility	: No data available
Partition coefficient n-octanol/water (Log Pow)	: No data available

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Auto-ignition temperature	: 478 °F
Decomposition temperature	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: 1.4 cSt (1.4 mm <sup>2</sup> /sec) at 40 °C   2 cSt (2 mm <sup>2</sup> /sec) at 20°C [Calculated]
Explosion limits	: No data available
Explosive properties	: No data available
Oxidizing properties	: No data available

### 9.2. Other information

Specific conductivity	: No data available
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## SECTION 10: Stability and reactivity

### 10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport.

### 10.2. Chemical stability

Stable under normal conditions.

### 10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

### 10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

### 10.5. Incompatible materials

No additional information available

### 10.6. Hazardous decomposition products

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

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Distillates (Petroleum), Hydrotreated Light (64742-47-8)

LD50 oral rat	> 5000 mg/kg
LD50 dermal rabbit	2000 – 4000 mg/kg
LC50 Inhalation - Rat (Vapours)	> 4.3 mg/l/4h
ATE US (dermal)	2000 mg/kg body weight
ATE US (gases)	4500 ppmV/4h
ATE US (vapors)	11 mg/l/4h
ATE US (dust, mist)	1.5 mg/l/4h

Skin corrosion/irritation : Not classified

Serious eye damage/irritation : Not classified

Respiratory or skin sensitization : Not classified

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

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Reproductive toxicity : Not classified  
STOT-single exposure : Not classified.

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STOT-single exposure	Not classified.
STOT-repeated exposure	: Not classified
Aspiration hazard	: May be fatal if swallowed and enters airways.
Viscosity, kinematic	: No data available
Potential Adverse human health effects and symptoms	: May be fatal if swallowed and enters airways.
Symptoms/effects	: Not classified.
Symptoms/effects after skin contact	: Irritation.
Symptoms/effects after eye contact	: Mild eye irritation.
Symptoms/effects after ingestion	: Risk of lung edema.

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

### 12.2. Persistence and degradability

Expected to be readily biodegradable.

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Disposal methods

Waste treatment methods : Dispose of contents/container in accordance with licensed collector's sorting instructions.

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### Product/Packaging disposal recommendations

: Remove waste in accordance with local and/or national regulations. Hazardous waste shall not be mixed together with other waste. Different types of hazardous waste shall not be mixed together if this may entail a risk of pollution or create problems for the further management of the waste. Hazardous waste shall be managed responsibly. All entities that store, transport or handle hazardous waste shall take the necessary measures to prevent risks of pollution or damage to people or animals.

**Empty container warning:** Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations.

**DO NOT PRESSURISE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND, OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.**

## SECTION 14: Transport information

### 14.1. UN number

DOT NA No	:	UN1268
UN-No. (TDG)	:	Not applicable
UN-No. (IMDG)	:	Not applicable
UN-No. (IATA)	:	Not applicable

### 14.2. UN proper shipping name

Proper Shipping Name (DOT)	:	Petroleum distillates, n.o.s.
Proper Shipping Name (TDG)	:	Not regulated for land transport
Proper Shipping Name (IMDG)	:	Not regulated for sea transport – IMDG Code
Proper Shipping Name (IATA)	:	Not regulated for air transport

### 14.3. Transport hazard class(es)

DOT	
Transport hazard class(es) (DOT)	:
Hazard labels (DOT)	:



TDG	
Transport hazard class(es) (TDG)	:

IMDG	
Transport hazard class(es) (IMDG)	:

Hazard labels (IMDG)	:

### 14.4. Packing group

Packing group (DOT)	:	III
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Packing group (TDG)	: Not applicable
Packing group (IMDG)	: Not applicable
Packing group (IATA)	: Not applicable

### 14.5. Environmental hazards

Other information	: No supplementary information available.
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### 14.6. Special precautions for user

#### DOT

UN-No.(DOT)

DOT Special Provisions (49 CFR 172.102)

: UN1268

: 144 - If transported as a residue in an underground storage tank (UST), as defined in 40 CFR 280.12, that has been cleaned and purged or rendered inert according to the American Petroleum Institute (API) Standard 1604 (IBR, see 171.7 of this subchapter), then the tank and this material are not subject to any other requirements of this subchapter. However, sediments remaining in the tank that meet the definition for a hazardous material are subject to the applicable regulations of this subchapter.

B1 - If the material has a flash point at or above 38 C (100 F) and below 93 C (200 F), then the bulk packaging requirements of 173.241 of this subchapter are applicable. If the material has a flash point of less than 38 C (100 F), then the bulk packaging requirements of 173.242 of this subchapter are applicable.

IB3 - Authorized IBCs: Metal (31A, 31B and 31N); Rigid plastics (31H1 and 31H2); Composite (31HZ1 and 31HA2, 31HB2, 31HN2, 31HD2 and 31HH2). Additional Requirement: Only liquids with a vapor pressure less than or equal to 110 kPa at 50 C (1.1 bar at 122 F), or 130 kPa at 55 C (1.3 bar at 131 F) are authorized, except for UN2672 (also see Special Provision IP8 in Table 2 for UN2672).

T4 - 2.65 178.274(d)(2) Normal..... 178.275(d)(3)

TP1 - The maximum degree of filling must not exceed the degree of filling determined by the following: Degree of filling =  $97 / 1 + a (tr - tf)$  Where: tr is the maximum mean bulk temperature during transport, and tf is the temperature in degrees celsius of the liquid during filling.

TP29 - A portable tank having a minimum test pressure of 1.5 bar (150.0 kPa) may be used provided the calculated test pressure is 1.5 bar or less based on the MAWP of the hazardous materials, as defined in 178.275 of this subchapter, where the test pressure is 1.5 times the MAWP.

DOT Packaging Exceptions (49 CFR 173.xxx) : 150

DOT Packaging Non Bulk (49 CFR 173.xxx) : 203

DOT Packaging Bulk (49 CFR 173.xxx) : 242

DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) : 60 L

DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) : 220 L

DOT Vessel Stowage Location : A - The material may be stowed "on deck" or "under deck" on a cargo vessel and on a passenger vessel.

**Foot Note:** This material is not regulated under the 49 CFR 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 marine pollutant, or specifically listed as a hazardous substance.

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### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. US Federal regulations

#### Distillates (Petroleum), Hydrotreated Light (64742-47-8)

SARA Section 311/312 Hazard Classes	Aspiration Hazard, Flammable (gases, aerosols, liquids, or solids) Fire hazard
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All components of this product are present and listed as Active on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture is not known to contain a toxic chemical or chemicals in excess of the applicable de minimis concentration as specified in 40 CFR §372.38(a) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

### 15.2. International regulations

#### CANADA

No additional information available

#### EU-Regulations

No additional information available

#### National regulations

No additional information available

### 15.3. US State regulations

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

## SECTION 16: Other information

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Revision date : 6/6/2023

Full text of H-phrases	
H227	Combustible liquid
H304	May be fatal if swallowed and enters airways

NFPA health hazard

: 1 - Materials that, under emergency conditions, can cause significant irritation.

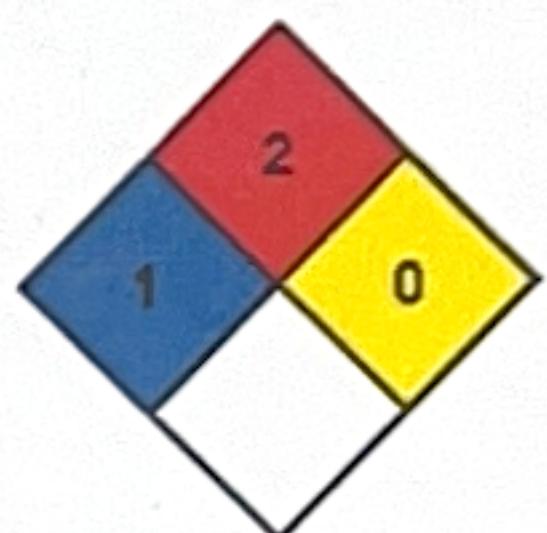
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NFPA fire hazard

- : 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.
- : 0 - Material that in themselves are normally stable, even under fire conditions.



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