

PO680, TYPE II Drum.



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 | : CHEMTREC 800-424-9300 |
|------------------|-------------------------|

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)
Hazard statements (GHS US)

: Danger
: 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.

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.

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".

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.
Suitable Containers/ Packing: Tank Trucks; Drums; Barges; Tank Cars
Suitable Materials and Coatings (Chemical Compatibility): Carbon Steel; Stainless Steel; Teflon; Polyethylene; Polypropylene
Unsuitable Materials and Coatings: 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 ³ |
|----------------|--|

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 mm2/sec) at 40 °C 2 cSt (2 mm2/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 |
|-----------------------|---------------------|

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.

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

| | |
|----------------------|-----------------|
| 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) | : 3 |
| Hazard labels (DOT) | : 3 |



| | |
|----------------------------------|------------------|
| TDG | |
| Transport hazard class(es) (TDG) | : Not applicable |

| | |
|-----------------------------------|------------------|
| IMDG | |
| Transport hazard class(es) (IMDG) | : Not applicable |
| Hazard labels (IMDG) | : Not applicable |

| | |
|-----------------------------------|------------------|
| IATA | |
| Transport hazard class(es) (IATA) | : Not applicable |
| Hazard labels (IATA) | : Not applicable |

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.

14.6. Special precautions for user

DOT

| | |
|--|--|
| UN-No.(DOT) | : UN1268 |
| DOT Special Provisions (49 CFR 172.102) | : 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

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

according to Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules and Regulations

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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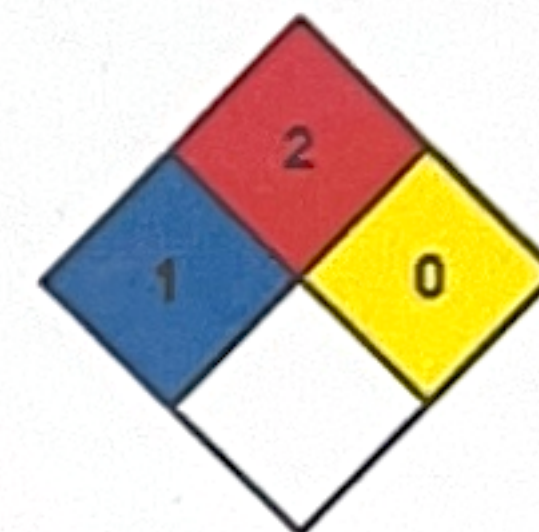
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NFPA fire hazard

: 2 - Materials that must be moderately heated or exposed to relatively high ambient temperatures before ignition can occur.

NFPA reactivity

: 0 - Material that in themselves are normally stable, even under fire conditions.



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