

SECTION 1: Product and company identification

Product name : RP-7
 Use of the substance/mixture : Cleaner
 Product code : 0119
 Company : Total Solutions
 P.O. Box 240014
 Milwaukee, WI 53224 - USA
 T (414) 354-6417
 Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US classification

Skin Irrit. 2 H315
 Eye Irrit. 2 H319
 Skin Sens. 1 H317

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



GHS07

Signal word (GHS-US) :

Warning

Hazard statements (GHS-US) :

Causes skin irritation
 May cause an allergic skin reaction
 Causes serious eye irritation

Precautionary statements (GHS-US) :

Avoid breathing spray, mist.
 Wash thoroughly after handling
 Contaminated work clothing must not be allowed out of the workplace
 Wear eye protection, protective clothing, protective gloves.
 If on skin: Wash with plenty of water
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
 Specific treatment (see First aid measures on this label)
 If skin irritation occurs: Get medical advice/attention.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Wash contaminated clothing before reuse.
 Dispose of contents/container to comply with local/regional/national/international regulations.

2.3. Other hazards

No additional information available

2.4. Unknown acute toxicity (GHS US)

Not applicable

SECTION 3: Composition/Information on ingredients

3.1. Substances

Not applicable

Full text of H-phrases: see section 16

3.2. Mixtures

| Name | Product identifier | % | GHS-US classification |
|---|----------------------|-----|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics | (CAS-No.) 64742-47-8 | 3-7 | Flam. Liq. 4, H227 Asp. Tox. 1, H304 |
| (+)-limonene | (CAS-No.) 5989-27-5 | 1-5 | Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1, H317 Asp. Tox. 1, H304 |
| morpholine | (CAS-No.) 110-91-8 | 1-5 | Flam. Liq. 3, H226 Acute Tox. 4 (Oral), H302 Acute Tox. 3 (Dermal), H311 Skin Corr. 1A, H314 |

A specific chemical identity and/or percentage of composition has been withheld as a trade secret. Any concentration shown as a range is to protect confidentiality or is due to batch variation.

SECTION 4: First aid measures

4.1. Description of first aid measures

- First-aid measures general : If you feel unwell, seek medical advice (show the label where possible).
First-aid measures after inhalation : Remove the victim into fresh air.
First-aid measures after skin contact : Take off immediately all contaminated clothing and wash it before reuse. Wash skin with plenty of water. Soap may be used. If skin irritation or rash 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 : Rinse mouth with water. Do NOT induce vomiting. Consult a doctor/medical service if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

- Symptoms/effects : Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation.
Symptoms/effects after inhalation : None under normal use.
Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact : Causes serious eye irritation.
Symptoms/effects after ingestion : Gastrointestinal complaints. Vomiting. Nausea.

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

- Suitable extinguishing media : Carbon dioxide. Water. Foam. Dry chemical powder.

5.2. Special hazards arising from the substance or mixture

- Reactivity : Upon combustion: CO and CO2 are formed.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Use water spray or fog for cooling exposed containers. Take account of environmentally hazardous firefighting water.
Protection during firefighting : Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

- General measures : Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

- Protective equipment : Protective goggles. Gloves. Protective clothing.
Emergency procedures : Evacuate unnecessary personnel. Avoid contact with skin, eyes and clothing. Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Use personal protective equipment as required.
Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Avoid release to the environment. Prevent entry to sewers and public waters.

6.3. Methods and material for containment and cleaning up

- For containment : Contain released product, pump into suitable containers.
Methods for cleaning up : This material and its container must be disposed of in a safe way, and as per local legislation.

6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Precautions for safe handling : Comply with the legal requirements. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin, or on clothing.
Hygiene measures : Wash thoroughly after handling. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Comply with applicable regulations.
Storage conditions : Keep container closed when not in use.
Incompatible products : Oxidizing agent.
Incompatible materials : Sources of ignition.

Storage area : Meet the legal requirements. Store in a cool area.
 Special rules on packaging : Keep only in original container.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| | | |
|--|-------------------------------------|----------------------|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) | | |
| Not applicable | | |
| (+)-limonene (5989-27-5) | | |
| Not applicable | | |
| morpholine (110-91-8) | | |
| ACGIH | ACGIH TWA (ppm) | 20 ppm |
| ACGIH | Remark (ACGIH) | Eye dam; URT irr |
| OSHA | OSHA PEL (TWA) (mg/m ³) | 70 mg/m ³ |
| OSHA | OSHA PEL (TWA) (ppm) | 20 ppm |

8.2. Exposure controls

Personal protective equipment : Safety glasses. Protective clothing. Gloves. Use appropriate personal protective equipment when risk assessment indicates this is necessary.



SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid
 Appearance : light. Tan. Opaque. Liquid.
 Odor : mild
 Odor threshold : No data available
 pH : 8.5 - 9.5
 Melting point : No data available
 Freezing point : No data available
 Boiling point : No data available
 Flash point : > 200 °F Closed Cup
 Relative evaporation rate (butyl acetate=1) : No data available
 Flammability (solid, gas) : No data available
 Explosion limits : No data available
 Explosive properties : No data available
 Oxidizing properties : No data available
 Vapor pressure : No data available
 Relative density : No data available
 Relative vapor density at 20 °C : No data available
 Specific gravity / density : 1.02 g/ml
 Solubility : Soluble in water.
 Log Pow : No data available
 Log Kow : No data available
 Auto-ignition temperature : No data available
 Decomposition temperature : No data available
 Viscosity : No data available
 Viscosity, kinematic : 1500 - 4000 cSt
 Viscosity, dynamic : No data available
 VOC content : < 5 %

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO2 are formed.

10.2. Chemical stability

No additional information available

10.3. Possibility of hazardous reactions

Refer to section 10.1 on Reactivity.

10.4. Conditions to avoid

No additional information available

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

Acute toxicity : Not classified

| | |
|--|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) | |
| LD50 dermal rabbit | > 5000 mg/kg body weight (Rabbit, Literature) |
| (+)-limonene (5989-27-5) | |
| LD50 oral rat | > 2000 mg/kg body weight (OECD 423: Acute Oral Toxicity – Acute Toxic Class Method, Rat, Female, Read-across) |
| LD50 dermal rabbit | > 5000 mg/kg body weight (Equivalent or similar to OECD 402, Rabbit, Weight of evidence) |
| morpholine (110-91-8) | |
| LD50 oral rat | 1420 mg/kg (Rat) |
| LD50 dermal rabbit | 500 mg/kg (Rabbit) |
| ATE CLP (oral) | 1420 mg/kg body weight |
| ATE CLP (dermal) | 500 mg/kg body weight |
| ATE CLP (gases) | 4500 ppmV/4h |
| ATE CLP (vapors) | 11 mg/l/4h |
| ATE CLP (dust, mist) | 1.5 mg/l/4h |

Skin corrosion/irritation : Causes skin irritation.
pH: 8.5 - 9.5

Serious eye damage/irritation : Causes serious eye irritation.
pH: 8.5 - 9.5

Respiratory or skin sensitization : May cause an allergic skin reaction.

Germ cell mutagenicity : Not classified

Carcinogenicity : Not classified

Reproductive toxicity : Not classified

Specific target organ toxicity – single exposure : Not classified

Specific target organ toxicity – repeated exposure : Not classified

Aspiration hazard : Not classified

Symptoms/effects after inhalation : None under normal use.

Symptoms/effects after skin contact : Causes skin irritation. May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.

Symptoms/effects after eye contact : Causes serious eye irritation.

Symptoms/effects after ingestion : Gastrointestinal complaints. Vomiting. Nausea.

Likely routes of exposure : Skin and eye contact

SECTION 12: Ecological information

12.1. Toxicity

| | |
|--|---|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) | |
| LC50 fish 1 | > 100 mg/l (Pisces) |
| EC50 Daphnia 1 | > 100 mg/l (Invertebrata) |
| (+)-limonene (5989-27-5) | |
| LC50 fish 1 | 720 µg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value) |

| | |
|--------------------------|--|
| (+)-limonene (5989-27-5) | |
| EC50 Daphnia 1 | 0.36 mg/l (OECD 202: Daphnia sp. Acute Immobilisation Test, 48 h, Daphnia magna, Static system, Fresh water, Experimental value) |
| morpholine (110-91-8) | |
| LC50 fish 1 | 180 mg/l (96 h, Salmo gairdneri) |
| EC50 Daphnia 1 | 119 mg/l (24 h, Daphnia magna) |

12.2. Persistence and degradability

| | |
|--|--|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) | |
| Persistence and degradability | Readily biodegradable in water. |
| (+)-limonene (5989-27-5) | |
| Persistence and degradability | Readily biodegradable in water. |
| ThOD | 3.29 g O ₂ /g substance |
| morpholine (110-91-8) | |
| Persistence and degradability | Biodegradable in the soil. Readily biodegradable in water. |
| Biochemical oxygen demand (BOD) | 0.02 g O ₂ /g substance |
| ThOD | 2.6 g O ₂ /g substance |
| BOD (% of ThOD) | 0.009 |

12.3. Bioaccumulative potential

| | |
|--|--|
| hydrocarbons, C11-C14, n-alkanes, isoalkanes, cyclics, < 2% aromatics (64742-47-8) | |
| Log Pow | 6 - 8.2 |
| Bioaccumulative potential | High potential for bioaccumulation (Log Kow > 5). |
| (+)-limonene (5989-27-5) | |
| BCF fish 1 | 864.8 - 1022 (Pisces, QSAR, Fresh weight) |
| Log Pow | 4.38 (Experimental value, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 37 °C) |
| Bioaccumulative potential | Potential for bioaccumulation (4 Log Kow 5). |
| morpholine (110-91-8) | |
| BCF fish 1 | < 2.3 (Cyprinus carpio, Chronic) |
| BCF fish 2 | < 2.8 (Oryzias latipes, Chronic) |
| Log Pow | -2.55 (OECD 107: Partition Coefficient (n-octanol/water): Shake Flask Method) |
| Bioaccumulative potential | Not bioaccumulative. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Product/Packaging disposal recommendations : Dispose in a safe manner in accordance with local/national regulations.

SECTION 14: Transport information

Department of Transportation (DOT)

In accordance with DOT : Not regulated for transport

Additional information

Other information : No supplementary information available.

ADR

No additional information available

Transport by sea

No additional information available

Air transport

No additional information available

SECTION 15: Regulatory information

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

This product or mixture does not 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.

⚠ WARNING

This product can expose you to ethyl acrylate, which is known to the State of California to cause cancer. For more information go to www.P65Warnings.ca.gov.

SECTION 16: Other information

Training advice : Normal use of this product shall imply use in accordance with the instructions on the packaging.

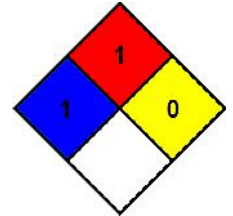
Full text of H-phrases:

| | |
|------|--|
| H226 | Flammable liquid and vapour |
| H227 | Combustible liquid |
| H302 | Harmful if swallowed |
| H304 | May be fatal if swallowed and enters airways |
| H311 | Toxic in contact with skin |
| H314 | Causes severe skin burns and eye damage |
| H315 | Causes skin irritation |
| H317 | May cause an allergic skin reaction |

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

NFPA fire hazard : 1 - Materials that must be preheated before ignition can occur.

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



Prepared by: Technical Department

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. No warranty is expressed or implied regarding the accuracy of this data or the results obtained from the use thereof. Our company assumes no responsibility for personal injury or property damage to the vendee, users or third parties caused by the material. Such vendees or users assume all risks associated with the use of this material.