1. IDENTIFICATION

Product identifier
Product code: HP892
Product Name: 2,2,4-TRIMETHYLPENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

Other means of identification
Synonyms: Isooctane
Isobutyltrimethylpentane
CAS #: 540-84-1
RTECS #: SA3320000
CI#: Not available

Recommended use of the chemical and restrictions on use
Recommended use: Solvent.
Uses advised against: No information available

Supplier: Spectrum Chemicals and Laboratory Products, Inc.
14422 South San Pedro St.
Gardena, CA  90248
(310) 516-8000

Order Online At: https://www.spectrumchemical.com

Emergency telephone number: Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Regina Wachenheim (East Coast)

2. HAZARDS IDENTIFICATION

Classification
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

<table>
<thead>
<tr>
<th>Risk Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 2B</td>
</tr>
<tr>
<td>Specific target organ toxicity (single exposure)</td>
<td>Category 3</td>
</tr>
<tr>
<td>Aspiration toxicity</td>
<td>Category 1</td>
</tr>
<tr>
<td>Flammable liquids</td>
<td>Category 2</td>
</tr>
</tbody>
</table>

Label elements

Product code: HP892
Product name: 2,2,4-TRIMETHYLPENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Danger

Hazard statements
Causes skin irritation
Causes eye irritation
May cause respiratory irritation. May cause drowsiness or dizziness
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor

Other hazards
Very toxic to aquatic life with long lasting effects
Very toxic to aquatic life

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Wear protective gloves/protective clothing/eye protection/face protection
Avoid breathing dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area
Keep away from heat/sparks/open flames/hot surfaces. — No smoking
Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ventilating/lighting/ .? /equipment
Use only non-sparking tools
Take precautionary measures against static discharge
Keep cool

Precautionary Statements - Response
Specific treatment (see .? on this label)
In case of fire: Use CO2, dry chemical, or foam to extinguish.
IF IN EYES: 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.
If skin irritation occurs: Get medical advice/attention
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower
Wash contaminated clothing before reuse
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician
Do NOT induce vomiting

Precautionary Statements - Storage
Store locked up
Store in a well-ventilated place. Keep container tightly closed

Product code: HP892
Product name: 2,2,4-TRIMETHYL-PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS-No.</th>
<th>Weight %</th>
<th>Trade Secret</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>540-84-1</td>
<td>100</td>
<td>*</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

First aid measures
General Advice: Poison information centres in each State capital city can provide additional assistance for scheduled poisons (13 1126).

Skin Contact: Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Get medical attention if irritation develops.

Eye Contact: Flush eye with water for 15 minutes. Get medical attention.

Inhalation: Move to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention.

Ingestion: Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Consult a physician if necessary.

Most important symptoms and effects, both acute and delayed

Indication of any immediate medical attention and special treatment needed
Notes to Physician: Treat symptomatically

Protection of first-aiders
First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Carbon dioxide (CO2). Dry chemical. Alcohol-resistant foam. Water spray.

Unsuitable Extinguishing Media: Do not use a solid (straight) water stream as it may scatter and spread fire.

Specific hazards arising from the chemical
Hazardous Combustion Products: Carbon monoxide; Carbon dioxide

Product code: HP892

Product name: 2,2,4-TRIMETHYPENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Specific hazards: Flammable. May be ignited by heat, sparks or flames. Container explosion may occur under fire conditions or when heated. Material can burn with invisible flame. Vapor may travel considerable distance to source of ignition and flash back. Vapors may form explosive mixtures with air. Most vapors are heavier than air. They will spread along the ground and collect in low or confined areas (sewers, basements, tanks). Fire may produce irritating, corrosive and/or toxic gases.

Special Protective Actions for Firefighters

Specific Methods: Water mist may be used to cool closed containers. For larger fires, use water spray or fog. Cool containers with flooding quantities of water until well after fire is out.

Special Protective Equipment for Firefighters: As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Remove all sources of ignition. Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Use spark-proof tools and explosion-proof equipment. In case of large spill, water spray or vapor suppressing foam may be used to reduce vapors, but may not prevent ignition in closed spaces.

Environmental precautions: Prevent further leakage or spillage if safe to do so. Prevent product from entering drains. Prevent entry into waterways, sewers, basements or confined areas.

Methods and material for containment and cleaning up

Methods for containment: Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up: Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Use only non-sparking tools. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions: Provide sufficient air exchange and/or exhaust in work rooms. Remove all sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded. Keep away from incompatible materials.

Safe Handling Advice: Wear personal protective equipment. Use only in well-ventilated areas. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not breathe vapors or spray mist. Do not ingest. When using do not smoke. Handle in accordance with good industrial hygiene and safety practice.
Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:
Keep container tightly closed in a dry and well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Store in a segregated and approved area. Store away from incompatible materials.

Incompatible Materials:

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

<table>
<thead>
<tr>
<th>Components</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>ACGIH</th>
<th>AIHA WHEEL</th>
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<td>2,2,4-Trimethylpentane - 540-84-1</td>
<td>None</td>
<td>None</td>
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Canada

<table>
<thead>
<tr>
<th>Components</th>
<th>Alberta</th>
<th>British Columbia</th>
<th>Ontario</th>
<th>Quebec</th>
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</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane - 540-84-1</td>
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<td>None</td>
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</table>

Australia and Mexico

<table>
<thead>
<tr>
<th>Components</th>
<th>Australia</th>
<th>Mexico</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane 540-84-1</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation. Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors and mist below their respective threshold limit value.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

Eye protection: Goggles. Safety glasses with side-shields.

Skin and body protection: Chemical resistant apron. Long sleeved clothing. Gloves.

Respiratory protection: Vapor respirator. Be sure to use an approved/certified respirator or equivalent.

Hygiene measures: Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Wash hands before breaks and immediately after handling the product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Product code: HP892

Product name: 2,2,4-TRIMETHYL-PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state: Liquid.


Molecular/Formula weight: 114.23

Flash Point Tested according to: Closed cup

Autoignition Temperature (°C/°F): 418 °C/784.4 °F

Boiling point/range(°C/°F): 99.238 °C/210.6 °F

Density (g/cm3): No information available

Evaporation rate: No information available

Odor threshold (ppm): No information available

Miscibility: No information available

Solubility: Insoluble in water
Soluble in Acetone
Soluble in Ether
Soluble in Benzene
Soluble in Chloroform
Soluble in Carbon Disulfide
Soluble in Carbon tetrachloride
Soluble in Toluene
Soluble in Xylene
Soluble in Dimethyl Sulfoxide
Somewhat soluble in absolute alcohol

10. STABILITY AND REACTIVITY

Reactivity
Reactive with acids
Reacts with bases
Reactive with oxidizing agents
Reacts with reducing agents

Chemical stability
Stability: Stable at normal conditions

Possibility of Hazardous Reactions: Hazardous polymerization does not occur


**Hazardous decomposition products:** Carbon monoxide. Carbon dioxide.

**Other Information**

**Corrosivity:** No information available

**Special Remarks on Corrosivity:** No information available

11. **TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Principal Routes of Exposure:**
Ingestion. Skin. Eyes. Inhalation.

**Acute Toxicity**

**Component Information**

2,2,4-Trimethylpentane - 540-84-1

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50/oral/rat</td>
<td>&gt;2500 mg/kg Oral</td>
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<tr>
<td>LD50/oral/mouse</td>
<td>No information</td>
</tr>
<tr>
<td>LD50/dermal/rabbit</td>
<td>No information</td>
</tr>
<tr>
<td>LD50/dermal/rat</td>
<td>No information</td>
</tr>
<tr>
<td>LC50/inhalation/rat</td>
<td>&gt;34.7 mg/L Inhalation LC50 Rat 4 h</td>
</tr>
<tr>
<td></td>
<td>47.4 mg/L Inhalation LC50 Rat 1 h</td>
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<tr>
<td>LC50/inhalation/mouse</td>
<td>No information</td>
</tr>
<tr>
<td>Other LD50 or LC50 information</td>
<td>No information</td>
</tr>
</tbody>
</table>

**Product Information**

<table>
<thead>
<tr>
<th>Route</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50/oral/rat</td>
<td>&gt;2500mg/kg Oral</td>
</tr>
</tbody>
</table>

**LD50/oral/mouse**

Value - Acute Tox Oral = No information available

**LD50/dermal/rabbit**

VALUE-Acute Tox Dermal = No information available

**LD50/dermal/rat**

VALUE -Acute Tox Dermal = No information available

**LC50/inhalation/rat**

VALUE-Vapor = >34.7mg/l (4-hr)
VALUE-Gas = No information available
VALUE-Dust/Mist = No information available

**LC50/inhalation/mouse**

VALUE-Vapor = No information available
VALUE - Gas = No information available
VALUE - Dust/Mist = No information available

**Product code:** HP892

**Product name:** 2,2,4-TRIMETHYL PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE

7 / 13
Symptoms

Skin Contact: Causes skin irritation.

Eye Contact: Causes eye irritation. Mild eye irritation. May cause transient discomfort characterized by tearing or conjunctival redness.

Inhalation
Irritating to respiratory system. Exposure to vapor or mist causes eye irritation. May cause conjunctival irritation. May affect respiration (respiratory depression). May cause respiratory arrest. It may cause pulmonary edema. May cause chemical pneumonitis. It may affect the brain. Inhalation of high concentrations may cause central nervous system effects characterized by headache, dizziness, loss of coordination, drowsiness, lightheadness, narcosis, unconsciousness, coma. It may affect behavior/central nervous system (convulsions). May cause salivation. May cause nausea.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhoea. Aspiration hazard if swallowed. Aspiration may lead to pulmonary edema. Aspiration into the lungs can cause chemical pneumonitis. Aspiration into the lungs may cause pulmonary lesions. May cause central nervous system depression including convulsions and unconsciousness. May affect respiration (shallow respiration). May affect liver. May affect the kidneys.

Aspiration hazard
Aspiration hazard. May be fatal if swallowed and enters airways.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity
Prolonged or repeated ingestion may affect the liver, and kidneys. Prolonged or repeated skin contact may cause dermatitis and defatting, dryness, and cracking of the skin.

Sensitization:
No information available

Mutagenic Effects:
No information available

Carcinogenic effects: Not considered carcinogenic.

<table>
<thead>
<tr>
<th>Components</th>
<th>ACGIH - Carcinogens</th>
<th>IARC</th>
<th>NTP</th>
<th>OSHA HCS - Carcinogens</th>
<th>Australia - Prohibited Carcinogenic Substances</th>
<th>Australia - Notifiable Carcinogenic Substances</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
<td>Not listed</td>
</tr>
</tbody>
</table>

ACGIH (American Conference of Governmental Industrial Hygienists)
IARC (International Agency for Research on Cancer)
NTP (National Toxicology Program)
OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity
No data is available

Reproductive Effects:
No information available

Developmental Effects:
No information available

Teratogenic Effects:
No information available

Specific Target Organ Toxicity

STOT - single exposure
respiratory system. central nervous system.

STOT - repeated exposure
No information available

Target Organs:

Product code: HP892

Product name: 2,2,4-TRIMETHYL-PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: No data available.

Persistence and degradability: No information available

Bioaccumulative potential: No information available

Mobility: No information available

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:
Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:
Empty containers should be taken for local recycling, recovery or waste disposal

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

14. TRANSPORT INFORMATION

DOT

UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: Not applicable
Packing Group: II
Marine Pollutant: No data available
ERG No: 128
DOT RQ (lbs): No information available

TDG (Canada)

UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

ADR

UN-No: UN1262
Proper Shipping Name: Octanes

Product code: HP892
Product name: 2,2,4-TRIMETHYL PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
14. TRANSPORT INFORMATION

Hazard Class: 3
Packing Group: II
Subsidiary Risk: No information available
Classification Code: No information available
Description: No information available
CEFIC Tremcard No: No information available

IMO / IMDG
UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available
IMDG Page: No information available
Marine Pollutant: No information available
EMS: F-E
MFAG: No information available
Maximum Quantity: No information available

RID
UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: 3
Packing Group: II
Classification Code: No information available
Description: No information available

ICAO
UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: No information available

IATA
UN-No: UN1262
Proper Shipping Name: Octanes
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 3H
Description: No information available

15. REGULATORY INFORMATION

International Inventories

<table>
<thead>
<tr>
<th>Components</th>
<th>U.S. TSCA</th>
<th>KOREA KECL (PICCS)</th>
<th>Philippines (PICCS)</th>
<th>Japan ENCS (2)-8</th>
<th>CHINA</th>
<th>Australia (AICS)</th>
<th>EINECS-No.</th>
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<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>Present</td>
<td>Present KE-34634</td>
<td>Present</td>
<td>Present (2)-8</td>
<td>Present</td>
<td>Present</td>
<td>Present 208-759-1</td>
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</table>

Product code: HP892
Product name: 2,2,4-TRIMETHYL-PENTANE, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
U.S. Regulations

2,2,4-Trimethylpentane

Massachusetts RTK: Present
New Jersey RTK Hazardous Substance List: Present
New Jersey - Discharge Prevention - List of Hazardous Substances: Present
Pennsylvania RTK: Present
New York Release Reporting - List of Hazardous Substances:
1 lb RQ
Louisiana Reportable Quantity List for Pollutants: 1000lb final RQ
454kg final RQ


Chemicals Known to the State of California to Cause Cancer:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:
This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

<table>
<thead>
<tr>
<th>Components</th>
<th>Carcinogen</th>
<th>Developmental Toxicity</th>
<th>Male Reproductive Toxicity</th>
<th>Female Reproductive Toxicity</th>
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</thead>
<tbody>
<tr>
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<td>Not Listed</td>
<td>Not Listed</td>
<td>Not Listed</td>
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</tbody>
</table>

CERCLA/SARA

<table>
<thead>
<tr>
<th>Components</th>
<th>CERCLA - Hazardous Substances and their Reportable Quantities</th>
<th>Section 302 Extremely Hazardous Substances and TPQs</th>
<th>Section 302 Extremely Hazardous Substances and RQs</th>
<th>Section 313 - Chemical Category</th>
<th>Section 313 - Reporting de minimis</th>
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</thead>
<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>1000 lb final RQ 454 kg final RQ</td>
<td>None</td>
<td>None</td>
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</table>

U.S. TSCA

<table>
<thead>
<tr>
<th>Components</th>
<th>TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)</th>
<th>TSCA 8(d) - Health and Safety Reporting</th>
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<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
<td>Not Applicable</td>
<td>06/01/1987 12/19/1995</td>
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</tbody>
</table>

Canada

WHMIS hazard class:
B2 Flammable liquid

Canada Controlled Products Regulation:
This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

Inventory

<table>
<thead>
<tr>
<th>Components</th>
<th>Canada (DSL)</th>
<th>Canada (NDSL)</th>
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<table>
<thead>
<tr>
<th>Components</th>
<th>CEPA Schedule I - Toxic Substances</th>
<th>CEPA - 2010 Greenhouse Gases Subject to Manditory Reporting</th>
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<tbody>
<tr>
<td>2,2,4-Trimethylpentane</td>
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<td>Not listed</td>
</tr>
</tbody>
</table>

Product code: HP892
EU Classification

**R-phrase(s)**
R11 - Highly flammable.
R38 - Irritating to skin.
R65 - Harmful: may cause lung damage if swallowed.
R67 - Vapors may cause drowsiness and diziness.
R50 - Very toxic to aquatic organisms.
R53 - May cause long-term adverse effects in the aquatic environment.

**S-phrase(s)**
S 2 - Keep out of the reach of children.
S 9 - Keep container in a well-ventilated place.
S16 - Keep away from sources of ignition - No smoking.
S29 - Do not empty into drains.
S33 - Take precautionary measures against static discharges.
S60 - This material and its container must be disposed of as hazardous waste.
S61 - Avoid release to the environment. Refer to special instructions/safety data sheets.
S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

<table>
<thead>
<tr>
<th>Components</th>
<th>Classification</th>
<th>Concentration Limits:</th>
<th>Safety Phrases</th>
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<td>2,2,4-Trimethylpentane</td>
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<td>S2 S9 S16 S29 S33 S60 S61 S62</td>
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<tr>
<td></td>
<td>Xi; R38</td>
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<tr>
<td></td>
<td>N; R50-53</td>
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<tr>
<td></td>
<td>Xn; R65</td>
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<td></td>
</tr>
<tr>
<td></td>
<td>R67</td>
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<td></td>
</tr>
</tbody>
</table>

The product is classified in accordance with Annex VI to Directive 67/548/EEC

**Indication of danger:**
F - Highly flammable.
Xn - Harmful.
Xi - Irritant.
N - Dangerous for the environment.

16. OTHER INFORMATION

Product code: HP892
Product name: 2,2,4-TRIMETHYL Pentane, EXCEEDS A.C.S. SPECIFICATIONS, HPLC GRADE
Preparation Date: 3/13/2014
Revision Date: 3/13/2014
Prepared by: Sonia Owen

Disclaimer: All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Material Safety Data Sheet