1. PRODUCT & COMPANY IDENTIFICATION

1.1 Product Name: PAUL MITCHELL – FLASH FINISH STRAWBERRY BLONDE

1.2 Chemical Name: NA

1.3 Synonyms: JPMS Flash Finish Strawberry Blonde (FFSB)

1.4 Trade Names: Paul Mitchell – Flash Finish Strawberry Blonde (FFSB)

1.5 Product Uses & Restrictions: Professional Use Only

1.6 Distributor’s Name: JPMS Manufacturing, LLC

1.7 Distributor’s Address: 237 Buttonwood Street, Reading, PA 19601 USA

1.8 Emergency Phone: CHEMTREC: +1 (703) 527-3887 / +1 (800) 424-9300 (CCN 11977)

1.9 Business Phone / Fax: +1 (610) 374-4845 / +1(610) 373-7101

2. HAZARDS IDENTIFICATION

2.1 Hazard Identification:

This product is classified as a HAZARDOUS SUBSTANCE but NOT as DANGEROUS GOODS according to the classification criteria of NOHSC: 1088 (2004) and ADG Code (Australia).

WARNING! MAY CAUSES AN ALLERGIC SKIN REACTION. CAUSES SERIOUS EYE IRRITATION.

Classification: Skin Sens. 1; Eye Irrit. 2A

Hazard Statements (H): H317 – May cause an allergic skin reaction. H319 – Causes serious eye irritation.


NOTICE: This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty, expressed or implied, if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy. If a severe allergic reaction should occur, seek immediate medical attention. This product must not be used for dyeing the eyelashes or eyebrows - to do so may cause blindness.

3. COMPOSITION & INGREDIENT INFORMATION

<table>
<thead>
<tr>
<th>CHEMICAL NAME(S)</th>
<th>CAS No.</th>
<th>RTECS No.</th>
<th>EINECS No.</th>
<th>%</th>
<th>TLV ppm</th>
<th>STEL ppm</th>
<th>ES-TWA ppm</th>
<th>ES-STEL ppm</th>
<th>ES-PEAK ppm</th>
<th>PEL ppm</th>
<th>STEL ppm</th>
<th>IDLH ppm</th>
<th>OTHER ppm</th>
</tr>
</thead>
<tbody>
<tr>
<td>JPMS PROPRIETARY BLEND</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>60-100</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>P-AMINOPHENOL</td>
<td>123-30-8</td>
<td>NA</td>
<td>204-616-2</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>2-METHYLSOROCINOL</td>
<td>608-25-3</td>
<td>VV2009500</td>
<td>210-155-8</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4-AMINO-2-HYDROXYTOLUENE</td>
<td>2835-95-2</td>
<td>SJ6090000</td>
<td>220-618-6</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>4-AMINO-3-NITROPHENOL</td>
<td>610-81-1</td>
<td>NA</td>
<td>210-236-8</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>P-METHYLAMINOPHENOL SULFATE</td>
<td>55-55-0</td>
<td>NA</td>
<td>200-237-1</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>p-PHENYLENEDIAMINE</td>
<td>106-50-3</td>
<td>SS8050000</td>
<td>203-404-7</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>0.1</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Acute Tox. 3 *; Acute Tox. 3 *; Eye Irrit. 2; Skin Sens. 1; H331, H311, H301, H319, H317</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3-NITRO-P-HYDROXYETHYL AMINPHENOL</td>
<td>65235-31-6</td>
<td>NA</td>
<td>265-648-0</td>
<td>&lt; 1.0</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
</tr>
</tbody>
</table>
4. FIRST AID MEASURES

| 4.1 First Aid: | Ingestion: If ingested, do not induce vomiting. If product has been swallowed, drink plenty of water or milk IMMEDIATELY. If the patient is vomiting, continue to offer water or milk. Never give water or milk to an unconscious person. Contact the nearest Poison Control Center or local emergency number. Provide an estimate of the time at which the material was ingested and the amount of the substance that was swallowed. |
| | Eyes: Splashes are not likely; however, if product gets in the eyes, flush with copious amounts of lukewarm water for at least 15 minutes. If irritation occurs, contact a physician. |
| | Skin: If irritation occurs and product is on the skin, rinse thoroughly with lukewarm water, followed by a thorough washing of the affected area with soap and water. If irritation, redness or swelling persists, contact a physician immediately. |
| | Inhalation: Remove victim to fresh air at once. |

| 4.2 Effects of Exposure: | Ingestion: If product is swallowed, may cause nausea, vomiting and/or diarrhea. |
| | Eyes: Moderately irritating to the eyes. Symptoms of overexposure may include redness, itching, irritation and watering. |
| | Skin: May be irritating to skin. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. |
| | Inhalation: None expected. |

| 4.3 Symptoms of Overexposure: | Overexposure to in eyes may cause redness, itching and watering. Symptoms of skin overexposure may include redness, itching, and irritation of affected areas. The product can cause allergic skin reactions (e.g., rashes, welts, dermatitis) in some sensitive individuals. |

| 4.4 Acute Health Effects: | Moderate irritation to eyes. Symptoms of overexposure may include redness, itching, stinging, irritation and watering. Moderate irritation to skin near affected areas. |

| 4.5 Chronic Health Effects: | No harmful or chronic health effects are expected to occur from a single accidental ingestion. |

| 4.6 Target Organs: | Eyes, Skin |

| 4.7 Medical Conditions Aggravated by Exposure: | Pre-existing dermatitis, other skin conditions, and disorders of the target organs (eyes and skin). |

5. FIREFIGHTING MEASURES

| 5.1 Fire & Explosion Hazards: | This product is not flammable. However, if involved in a fire, this product may decompose at high temperatures to form toxic gases (e.g., CO, CO₂, and NOₓ). |

| 5.2 Extinguishing Methods: | Water, Foam, CO₂, Dry Chemical |

| 5.3 Firefighting Procedures: | Fight fires as for surrounding materials. Hazardous decomposition products may be released. Thermal degradation may produce oxides of carbon and/or nitrogen, hydrocarbons and/or derivatives. Firefighters should wear a MSHA/NIOSH approved or equivalent self-contained breathing apparatus (SCBA) and protective clothing. Fire should be fought from a safe distance. Keep containers cool until well after the fire is out. Use water spray to cool fire-exposed surfaces and to protect personal. Fight fire upwind. Prevent runoff from fire control or dilution from entering sewers, drains, drinking water supply, or any natural waterway. |

6. ACCIDENTAL RELEASE MEASURES

| 6.1 Spills: | Before cleaning any spill or leak, individuals involved in spill cleanup must wear appropriate Personal Protective Equipment. For small spills (e.g., < 1 gallon (3.8 L)), wear appropriate personal protective equipment (e.g., goggles, gloves). Maximize ventilation (open doors and windows) and secure all sources of ignition. Remove spilled material with absorbent material and place into appropriate closed container(s) for disposal. Dispose of properly in accordance with local, state and federal regulations. Wash all affected areas and outside of container with plenty of warm water and soap. Remove any contaminated clothing and wash thoroughly before reuse. For large spills (e.g., ≥ 1 gallon (3.8 L)), deny entry to all unprotected individuals. Dike and contain spill with inert material (e.g., sand or earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for proper disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water. |

7. HANDLING & STORAGE INFORMATION

| 7.1 Work & Hygiene Practices: | Do not eat, drink or smoke when handling this product. Wash thoroughly after handling. Avoid contact with eyes, skin, and clothing. Do not expose to heat and flame. Use only in ventilated areas. Keep out of the reach of children. Wash unintentional residues with soap and warm water. |

| 7.2 Storage & Handling: | Use and store in a cool, dry, well-ventilated location (e.g., local exhaust ventilation, fans) away from heat and direct sunlight. Avoid temperatures above 120°F. Keep away from incompatible substances. Protect containers from physical damage. To avoid unintentional spraying keep cap in place when not in use. Keep away from children at all times! |

| 7.3 Special Precautions: | Spilled material may present a slipping hazard. Clean up all spills promptly. |
### 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>8.1 Exposure Limits: ppm (mg/m³)</th>
<th>CHEMICAL NAME(S)</th>
<th>ACGIH TLV</th>
<th>NOHSC STEL</th>
<th>OSHA ES-TWA</th>
<th>ES-PEAK</th>
<th>PEL</th>
<th>STEL</th>
<th>IDLH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>phenylethylenediamine</td>
<td>NA</td>
<td>NA</td>
<td>0.1</td>
<td>NF</td>
<td>NA</td>
<td>NA</td>
<td>25</td>
</tr>
</tbody>
</table>

8.2 Ventilation & Engineering Controls: General mechanical (e.g., fans) or natural ventilation is sufficient when this product is in use. Use local or general exhaust ventilation to effectively remove and prevent buildup of vapors or mist generated from the handling of this product. Ensure appropriate decontamination equipment is available (e.g., sink, safety shower, eye-wash station).

8.3 Respiratory Protection: No special respiratory protection is required under typical circumstances of use or handling. In instances where vapors or sprays of this product are generated, and respiratory protection is needed, use only protection authorized by 29 CFR §1910.134, applicable U.S. State regulations, or the Canadian CAS Standard Z94.4-93 and applicable standards of Canadian Provinces, EC member States, or Australia.

8.4 Eye Protection: Avoid eye contact. None required under normal conditions of use. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)) safety glasses with side shields should be used.

8.5 Hand Protection: Required under normal conditions of use to prevent staining and keep exposure level to a minimum. Use latex or PVC gloves. When handling large quantities (e.g., ≥ 1 gallon (3.8 L)), wear rubber or impervious plastic gloves must be worn.

8.6 Body Protection: No apron required when handling small quantities. Lab coat or apron should be worn to protect skin and clothing. When handling large quantities (e.g., ≥ 1 gallon), eye wash stations and deluge showers should be available. Upon completion of work activities involving large quantities of this product, wash any exposed areas thoroughly with soap and water.

### 9. PHYSICAL & CHEMICAL PROPERTIES

9.1 Appearance: Clear liquid

9.2 Odor: Light perfumed fragrance

9.3 Odor Threshold: NA

9.4 pH: NA

9.5 Melting Point/Freezing Point: NA

9.6 Initial Boiling Point/Boiling Range: NA

9.7 Flashpoint: NA

9.8 Upper/Lower Flammability Limits: NA

9.9 Vapor Pressure: NA

9.10 Vapor Density: NA

9.11 Relative Density: 1.12 g/mL

9.12 Solubility: Slightly soluble

9.13 Partition Coefficient (log P<sub>ow</sub>): NA

9.14 Autoignition Temperature: NA

9.15 Decomposition Temperature: NA

9.16 Viscosity: NA

9.17 Other Information: NA

### 10. STABILITY & REACTIVITY

10.1 Stability: This product is stable.

10.2 Hazardous Decomposition Products: Oxides of carbon (CO, CO<sub>2</sub>), nitrogen (NO<sub>x</sub>) and sulfur (SO<sub>2</sub>).

10.3 Hazardous Polymerization: Will not occur.

10.4 Conditions to Avoid: Open flames, sparks, high heat, incompatible substances and direct sunlight.

10.5 Incompatible Substances: Avoid extreme heat and ignition sources. Store away from oxidizers.

### 11. TOXICOLOGICAL INFORMATION

11.1 Routes of Entry:

<table>
<thead>
<tr>
<th>Inhalation</th>
<th>Absorption</th>
<th>Ingestion</th>
</tr>
</thead>
<tbody>
<tr>
<td>NO</td>
<td>YES</td>
<td>YES</td>
</tr>
</tbody>
</table>

11.2 Toxicity Data: This product has NOT been tested on animals to obtain toxicology data. Toxicology data, found in scientific literature, is available for some of the components of the product but is not presented in this document.

11.3 Acute Toxicity: Moderate irritation to eyes and skin near affected areas.

11.4 Chronic Toxicity: The material may aggravate any pre-existing skin disorders (e.g., dermatitis).

11.5 Suspected Carcinogen: No.

11.6 Reproductive Toxicity: This product is not reported to produce reproductive toxicity in humans.

11.7 Irritancy of Product: See Section 4.3.
11. TOXICOLOGICAL INFORMATION – cont’d

11.8 Biological Exposure Indices: NE

11.9 Physician Recommendations: Treat symptomatically.

12. ECOLOGICAL INFORMATION

12.1 Environmental Stability: There is no specific data available for this product.

12.2 Effects on Plants & Animals: There is no specific data available for this product.

12.3 Effects on Aquatic Life: There is no specific data available for this product.

13. DISPOSAL CONSIDERATIONS

13.1 Waste Disposal: Products covered by this Safety Data Sheet, in their original form, when disposed as waste, are considered non-hazardous waste according to Federal RCRA regulations (40 CFR 261). Disposal should be in accordance with local, state and federal regulations. Dispose of in accordance with federal, state and local regulations.

13.2 Special Considerations: California Waste Code: 331

14. TRANSPORTATION INFORMATION

The basic description (ID Number, proper shipping name, hazard class & division, packing group) is shown for each mode of transportation. Additional descriptive information may be required by 49 CFR, IATA/ICAO, IMDG and the CTDGR.

14.1 49 CFR (GND): NOT REGULATED

14.2 IATA (AIR): NOT REGULATED

14.3 IMDG (OCE): NOT REGULATED

14.4 TDGR (Canadian GND): NOT REGULATED

14.5 ADR/RID (EU): NOT REGULATED

14.6 SCT (MEXICO): NOT REGULATED

14.7 ADGR (AUS): NOT REGULATED

15. REGULATORY INFORMATION

15.1 SARA Reporting Requirements: This product contains p-Phenylenediamine a substance subject to SARA Title III, section 313 reporting requirements.

15.2 SARA Threshold Planning Quantity: This product is not subject to the reporting requirements of SARA Title III, Section 302.

15.3 TSCA Inventory Status: All components of this product are listed in the TSCA Inventory or are exempt.

15.4 CERCLA Reportable Quantity (RQ): p-Phenylenediamine: 2,270 kg (5,000 lbs).

15.5 Other Federal Requirements: This product complies with the appropriate sections of the Food and Drug Administration’s 21 CFR Subchapter G, (Cosmetics).

15.6 Other Canadian Regulations: This product has been classified according to the hazard criteria of the CPR and the MSDS contains all of the information required by the CPR. The components of this product are listed on the DSL/NDSL. None of the components of this product are listed on the Priorities Substances List, WHMIS D2B (Other Toxic Effects).

15.7 State Regulatory Information: p-Phenylenediamine is found on the following state criteria lists: Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), Pennsylvania Right-to-Know List (PA), and Washington Permissible Exposures List (WA). No other ingredients in this product, present in a concentration of 1.0% or greater, are listed on any of the following state criteria lists: California Proposition 65 (CA65), Delaware Air Quality Management List (DE), Florida Toxic Substances List (FL), Massachusetts Hazardous Substances List (MA), Michigan Critical Substances List (MI), Minnesota Hazardous Substances List (MN), New Jersey Right-to-Know List (NJ), New York Hazardous Substances List (NY), Pennsylvania Right-to-Know List (PA), Washington Permissible Exposures List (WA), Wisconsin Hazardous Substances List (WI).

15.8 Other Requirements: NA
16. OTHER INFORMATION

16.1 Other Information:  
WARNING! CAUSES MILD SKIN IRRITATION. CAUSES EYE IRRITATION. For external use only. Use only as directed. Discontinue use immediately if irritation develops. Keep away from children. Keep container tightly closed in a cool place. When using do not eat or drink. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable protective clothing, gloves and eye/face protection. If case of accident or if you feel unwell seek medical advice immediately (show the label where possible). KEEP LOCKED UP AND OUT OF REACH OF CHILDREN.

This product is designed and intended for use by a licensed cosmetologist/professional hairdresser only, and carries no warranty expressed or implied if used by others. CAN CAUSE AN ALLERGIC REACTION. Preliminary patch testing is recommended. Tattoos, including black and temporary henna, may increase the risk of allergy. If a severe allergic reaction should occur, immediately seek medical attention. This product must not be used for dyeing the eyelashes or eyebrows; to do so may cause blindness.

16.2 Terms & Definitions:  
See last page of this Safety Data Sheet.

16.3 Disclaimer:  
This Safety Data Sheet is offered pursuant to OSHA’s Hazard Communication Standard, 29 CFR §1910.1200. Other government regulations must be reviewed for applicability to this product. To the best of ShipMate’s & JPMS Manufacturing, LLC’s knowledge, the information contained herein is reliable and accurate as of this date; however, accuracy, suitability or completeness is not guaranteed and no warranties of any type, either expressed or implied, are provided. The information contained herein relates only to the specific product(s). If this product(s) is combined with other materials, all component properties must be considered. Data may be changed from time to time. Be sure to consult the latest edition.

16.4 Prepared for:  
JPMS Manufacturing, LLC
237 Buttonwood Street
Reading, PA 19601 USA
Tel: +1 (610) 374-4845
Fax: +1 (610) 373-7101

16.5 Prepared by:  
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P.O. Box 787
Sisters, Oregon 97759-0787 USA
Tel: +1 (310) 370-3600
Fax: +1 (310) 370-5700
http://www.shipmate.com
SAFETY DATA SHEET

GENERAL INFORMATION:
- CAS No.
- Chemical Abstract Service Number

EXPOSURE LIMITS IN AIR:
- ACGIH: American Conference on Governmental Industrial Hygienists
- Ceiling Limit
- IDLH: Immediately Dangerous to Life and Health
- OSHA: U.S. Occupational Safety and Health Administration
- PEL: Permissible Exposure Limit
- STEL: Short-Term Exposure Limit
- TLV: Threshold Limit Value
- TWA: Time Weighted Average

FIRST AID MEASURES:
- CPR: Cardiopulmonary resuscitation - method in which a person whose heart has stopped receives manual chest compressions and breathing to circulate blood and provide oxygen to the body.

PERSONAL PROTECTION RATINGS:
- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- X
- Consult your supervisor or SOPs for special handling directions.

OTHER STANDARD ABBREVIATIONS:
- ML: Maximum Limit
- mg/m³: milligrams per cubic meter
- NA: Not Available
- ND: Not Determined
- NE: Not Established
- NF: Not Found
- NR: No Results
- ppm: parts per million
- SCBA: Self-Contained Breathing Apparatus

NATIONAL FIRE PROTECTION ASSOCIATION: NFPA

FLAMMABILITY LIMITS IN AIR:
- Autoginition Temperature: Minimum temperature required to initiate combustion in air with no other source of ignition
- LEL: Lower Explosive Limit - lowest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
- UEL: Upper Explosive Limit - highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source

DEFINITION OF TERMS
A large number of abbreviations and acronyms appear on a SDS. Some of these that are commonly used include the following:

Hazard Ratings:
- 0: Minimal Hazard
- 1: Slight Hazard
- 2: Moderate Hazard
- 3: Severe Hazard
- 4: Extreme Hazard

GHS Standard Abbreviations:
- WGK: Wassergefährdungsklassen (German Water Hazard Class)
- FK: Flammability
- HC: Health Hazard
- K: Corrosive
- L: Toxic
- O: Irritant
- SCBA: Self-Contained Breathing Apparatus
- TC: Transport Canada
- TOXIC: Toxic
- WHMIS: Hazardous Materials Identification System
- WW: Water-Water miscible

Rationale for use of abbreviations:
- CAS: Chemical Abstracts Service
- NFPA: National Fire Protection Association
- DOT: Department of Transportation
- OSHA: Occupational Safety and Health Administration
- ACGIH: American Conference of Governmental Industrial Hygienists
- IDLH: Immediately Dangerous to Life and Health
- PEL: Permissible Exposure Limit
- STEL: Short-Term Exposure Limit
- TLV: Threshold Limit Value
- TWA: Time Weighted Average

WHMIS III HEALTH, FLAMMABILITY & REACTIVITY RATINGS:
- 0: Minimal Hazard
- 1: Slight Hazard
- 2: Moderate Hazard
- 3: Severe Hazard
- 4: Extreme Hazard

FLAMMABILITY:
- Class A
- Class B
- Class C
- Class D1
- Class D2
- Class D3

PHYSICAL HAZARDS:
- A
- B
- C
- D
- E
- F
- G
- H
- I
- J
- K
- L
- M
- N
- O
- P
- Q
- R
- S
- T
- U
- V
- W
- X
- Y
- Z

PERSONAL PROTECTION:
- Splash Goggles
- Protective Clothing & Full Suit
- Dust Respirator
- Airline Hood/Mask or SCBA
- Eye/face protection
- Long-sleeved protective clothing
- Rubber gloves
- Protective rubber boots
- Synthetic apron
- Protective clothing
- Breathing apparatus
- Full face respirator
- Dust & Vapor Half-Mask Respirator
- Face shield & Protective Eyewear
- Gloves
- Safety Glasses

FLAMMABILITY PICTOGRAMS:
- Explosive
- Flammable
- Oxidizer
- Pressurized
- Corrosive
- Toxic
- Harmful
- Irritating
- Health Hazard
- Environment
- Toxic
- Irritant
- Harmful

TOXICOLOGICAL INFORMATION:
- LD₅₀: Lethal Dose (solids & liquids) which kills 50% of the exposed animals
- LC₅₀: Lethal concentration (gases) which kills 50% of the exposed animals
- ppm: Concentration expressed in parts of material per million parts
- Tₐₕ: Highest percent of vapor in air, by volume, that will explode or ignite in the presence of an ignition source
- Tₐₑ: Tₐₕ or Tₐₑ (or concentration) to cause lethal or toxic effects
- IARC: International Agency for Research on Cancer
- NTP: National Toxicology Program
- RTECS: Registry of Toxic Effects of Chemical Substances
- BCF: Bioconcentration Factor
- log Kₐₕ: Coefficient of Oil/Water Distribution

REACTIVITY:
- GHS01: Explosive
- GHS02: Flammable
- GHS03: Oxidizing
- GHS04: Toxic
- GHS05: Irritating
- GHS06: Harmful
- GHS07: Corrosive
- GHS08: Reactive

EC (67/548/EEC) INFORMATION:
- C
- E
- F
- N
- O
- T
- Xi
- Xn

CLP/GHS (1272/2008/EC) PICTOGRAMS:
- GHS01: Explosive
- GHS02: Flammable
- GHS03: Oxidizer
- GHS04: Pressurized
- GHS05: Corrosive
- GHS06: Toxic
- GHS07: Harmful
- GHS08: Irritating
- GHS09: Health Hazard
- GHS10: Environment