

SAFETY DATA SHEET

Preparation Date: 4/13/2018

Revision Date: 4/13/2018

Revision Number: G1

1. IDENTIFICATION

Product identifier

Product code: E1033
Product Name: ETHYLBENZENE, REAGENT

Other means of identification

Synonyms: Ethyl benzene
 Ethylbenzol
 Etilbenzene (Italian)
 Phenylethane

CAS #: 100-41-4
RTECS # DA0700000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Solvent. Chemical intermediate.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 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: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

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

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

Acute toxicity - Inhalation (Gases)	Category 4
Acute toxicity - Inhalation (Vapors)	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Serious eye damage/eye irritation	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 2

Label elements

Product code: E1033

Product name: ETHYLBENZENE,
 REAGENT

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Danger

Hazard statements

Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
Suspected of causing cancer
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure
May be fatal if swallowed and enters airways
Highly flammable liquid and vapor



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

May be harmful if swallowed

Precautionary Statements - Prevention

Obtain special instructions before use
Do not handle until all safety precautions have been read and understood
Wear protective gloves/protective clothing/eye protection/face protection
Use only outdoors or in a well-ventilated area
Wash face, hands and any exposed skin thoroughly after handling
Do not breathe dust/fume/gas/mist/vapors/spray
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

Call a POISON CENTER or doctor/physician if you feel unwell
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 person to fresh air and keep comfortable for breathing.
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

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Weight %
Ethylbenzene	100-41-4	100

4. FIRST AID MEASURES

First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. Get medical attention. If skin irritation persists, call a physician.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes skin irritation
 - Causes serious eye irritation
 - Irritating to respiratory system
 - Aspiration hazard if swallowed - can enter the lungs and cause damage
 - Aspiration into the lungs may cause chemical pneumonitis
 - May cause digestive (gastrointestinal) tract irritation
 - Abdominal pain
 - May cause nausea and vomiting
 - May affect the blood
 - May affect the liver
 - It may affect the kidneys
 - Central nervous system effects
 - Headache
 - Drowsiness
 - Dizziness
 - Ataxia
 - Irritability
 - Fatigue
 - Weakness
 - Lightheadedness
 - Tremors
 - Insomnia

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:** Dry chemical. Carbon dioxide (CO₂). Water spray mist or foam.

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.

Specific hazards: Highly flammable. May be ignited by heat, sparks or flames. 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). Container explosion may occur under fire conditions or when heated. 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. Avoid contact with skin, eyes and clothing. Use personal protective equipment. Keep people away from and upwind of spill/leak. 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. Do not let product enter 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 clean non-sparking tools to collect absorbed material. 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. Take precautionary measures against static discharges. 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. Keep in a well-ventilated place. Store at room temperature in the original container. Keep away from heat and sources of ignition. Protect from light. Sensitive to light. Store in light-resistant containers. Store away from incompatible materials. Store in a segregated and approved area.

Incompatible Materials:

Oxidizing agents
chlorates
Nitrates
Peroxides

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

Components	CAS-No.	OSHA	NIOSH	ACGIH	AIHA WEEL
Ethylbenzene	100-41-4	100 ppm TWA 435 mg/m ³ TWA	100 ppm TWA 435 mg/m ³ TWA 125 ppm STEL 545 mg/m ³ STEL	20 ppm TWA	None

Canada

Components	CAS-No.	Canada - Alberta	Canada - British Columbia	Canada - Ontario	Canada - Quebec
Ethylbenzene	100-41-4	100 ppm TWA 434 mg/m ³ TWA 125 ppm STEL 543 mg/m ³ STEL	20 ppm TWA	None	100 ppm TWAEV 434 mg/m ³ TWAEV 125 ppm STEV 543 mg/m ³ STEV

Australia and Mexico

Components	CAS-No.	Australia	Mexico
Ethylbenzene	100-41-4	125 ppm STEL 543 mg/m ³ STEL 100 ppm TWA 434 mg/m ³ TWA	100 ppm TWA 435 mg/m ³ TWA 125 ppm STEL 545 mg/m ³ STEL

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
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

Physical state: Liquid	Appearance: No information available.	Color: Colorless.
Odor: Aromatic. Sweet. Gasoline-like.	Taste No information available.	Formula: C ₈ H ₁₀
Molecular/Formula weight: 106.16	Flammability: Highly flammable	Flash point (°C): -11
Flashpoint (°C/°F): 15-21 °C/59-70 °F	Flash Point Tested according to: Closed cup	Autoignition Temperature (°C/°F): 432 °C/809.6 °F
Lower Explosion Limit (%): 0.8%	Upper Explosion Limit (%): 6.7-7%	Melting point/range(°C/°F): -94.9 °C/-138.8 °F
Decomposition temperature(°C/°F): No information available	Boiling point/range(°C/°F): 136 °C/276.8 °F	Bulk density: No information available
Density (g/cm³): No information available	Specific gravity: 0.8626-0.867	pH: No information available
Vapor pressure @ 20°C (kPa): 0.9 @ 20 deg. C 1.28 at 25 deg. C	Evaporation rate: No information available	Vapor density: 3.66
VOC content (g/L): 879	Odor threshold (ppm): 140	Partition coefficient (n-octanol/water): log Kow = 3.1
Viscosity: No information available	Miscibility: No information available	Solubility: Very slightly soluble in water Soluble in Alcohol Soluble in Benzene Soluble in Carbon tetrachloride Soluble in Ether Slightly soluble in chloroform

10. STABILITY AND REACTIVITY

Reactivity

No information available

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents
chlorates
Nitrates
Peroxides

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. Inhalation. Skin.

Acute Toxicity

The following values are calculated based on chapter 3.1 of the GHS document
Component Information

Ethylbenzene
CAS-No. 100-41-4

LD50/oral/rat = 3500 mg/kg Oral LD50 Rat
LD50/oral/mouse = No information available
LD50/dermal/rabbit = 15354-15400 mg/kg Dermal LD50Rabbit
LD50/dermal/rat = No information available
LC50/inhalation/rat = 17.4 mg/L Inhalation LC50 Rat 4 h
LC50/inhalation/mouse = 35500 mg/m³ 2H
Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
VALUE- Acute Tox Oral = 3500 mg/kg

LD50/oral/mouse =
Value - Acute Tox Oral = No information available

LD50/dermal/rabbit
VALUE-Acute Tox Dermal = 15354 mg/kg

LD50/dermal/rat
VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat

VALUE-Vapor = 17.4 mg/l (4-hr)

VALUE-Gas = No information available

VALUE-Dust/Mist = No information available

LC50/Inhalation/mouseVALUE-Vapor = 35500 mg/m³ 2 h

VALUE - Gas = No information available

VALUE - Dust/Mist = No information available

Symptoms**Skin Contact:** Causes skin irritation. Mildly to moderately irritating to the skin.**Eye Contact:** Causes serious eye irritation. Contact with vapor or liquid can cause severe eye irritation depending on concentration. It may also cause conjunctivitis. At a vapor exposure level of 85 - 200 ppm, it is mildly and transiently irritating to the eyes; 1000 ppm causes further irritation and tearing; 2000 ppm results in immediate and severe irritation and tearing; 5,000 ppm is intolerable (ACGIH, 1991; Clayton and Clayton, 1994). Standard draize test for eye irritation using 500 mg resulted in severe irritation (RTECS).**Inhalation** Irritating to respiratory system. Inhalation of vapors may cause drowsiness and dizziness. Exposure to high concentrations can cause nasal, mucous membrane and respiratory tract irritation and can also result in chest constriction and, trouble breathing, respiratory failure, and even death. It can also affect behavior/Central Nervous System. The effective dose for CNS depression in experimental animals was 10,000 ppm (ACGIH, 1991). Symptoms of CNS depression include headache, nausea, weakness, dizziness, vertigo, irritability, fatigue, lightheadedness, sleepiness, tremor, loss of coordination, judgement, and consciousness, coma, and death. It can also cause pulmonary edema. Inhalation of 85 ppm can produce fatigue, insomnia, headache, and mild irritation of the respiratory tract (Haley & Berndt, 1987).**Ingestion** May be harmful if swallowed. Aspiration hazard if swallowed. Aspiration may lead to pulmonary edema. Aspiration into the lungs can cause chemical pneumonitis. May cause central nervous system effects (affect behavior). May cause digestive (gastrointestinal) tract irritation. May cause abdominal pain. Ingestion may cause nausea, vomiting.**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** Skin: Prolonged or repeated skin contact may cause redness, drying, scaling, dermatitis, and even blistering of the skin. Inhalation: Prolonged or repeated inhalation may cause lung, liver and kidney changes, and affect the blood(leukocytosis, increased platelet counts).**Sensitization:** No information available.**Mutagenic Effects:** No information available**Carcinogenic effects:** Suspected of causing cancer. Possibly carcinogenic to humans.

Components	CAS-No.	IARC	ACGIH - Carcinogens	NTP	OSHA HCS - Carcinogens	Australia - Notifiable Carcinogenic	Australia - Prohibited Carcinogenic

						Substances	Substances
Ethylbenzene	100-41-4	Group 2B - Possibly carcinogenic to humans - Monograph 77 [2000]	A3 Confirmed Animal Carcinogen with Unknown Relevance to Humans	Not listed	Present	Not listed	Not listed

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 May cause damage to organs through prolonged or repeated exposure.
Target Organs: Skin. Liver. Kidneys.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Ethylbenzene - 100-41-4

Freshwater Algae Data: 4.6 mg/L EC50 Pseudokirchneriella subcapitata 72 h 438 mg/L EC50 Pseudokirchneriella subcapitata 96 h 2.6 - 11.3 mg/L EC50 Pseudokirchneriella subcapitata 72 h 1.7 - 7.6 mg/L EC50 Pseudokirchneriella subcapitata 96 h
Freshwater Fish Species Data: 11.0 - 18.0 mg/L LC50 Oncorhynchus mykiss 96 h static 1 4.2 mg/L LC50 Oncorhynchus mykiss 96 h semi-static 1 7.55 - 11 mg/L LC50 Pimephales promelas 96 h flow-through 1 32 mg/L LC50 Lepomis macrochirus 96 h static 1 9.1 - 15.6 mg/L LC50 Pimephales promelas 96 h static 1 9.6 mg/L LC50 Poecilia reticulata 96 h static 1
Water Flea Data: 1.8 - 2.4 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: No information available

Bioaccumulative potential: Potential for bioconcentration in aquatic organisms is low.

Mobility: Medium/moderate mobility.

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

Components	CAS-No.	RCRA - F Series Wastes	RCRA - K Series Wastes	RCRA - P Series Wastes	RCRA - U Series Wastes
Ethylbenzene	100-41-4	None	None	None	None

14. TRANSPORT INFORMATION

DOT

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Class: No information available
Packing group: II
Emergency Response Guide Number: 130
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions: IB2, T4, TP1
Symbol(s): No information available
Description: UN1175, ETHYLBENZENE, 3, II

TDG (Canada)

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant: No Information available
Description: UN1175, ETHYLBENZENE, 3, II

ADR

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Packing Group: II
Subsidiary Risk: No information available
Description: UN1175, ETHYLBENZENE, 3, II

IMO / IMDG

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Marine Pollutant: No information available
EMS: F-E
Description: UN1175, ETHYLBENZENE, 3, II

RID

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: UN1175, ETHYLBENZENE, 3, II

ICAO

Product code: E1033

Product name: ETHYLBENZENE,
REAGENT

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UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
Description: UN1175, ETHYLBENZENE, 3, II

IATA

UN-No: UN1175
Proper Shipping Name: Ethylbenzene
Hazard Class: 3
Subsidiary Risk: No information available
Packing Group: II
ERG Code: 3L
Special Provisions No information available
Description: UN1175, ETHYLBENZENE, 3, II

15. REGULATORY INFORMATION

International Inventories

Components	CAS-No.	U.S. TSCA	KOREA KECL	Philippines (PICCS)	Japan ENCS	CHINA	Australia (AICS)	EINECS-No.
Ethylbenzene	100-41-4	PresentACTIV E	Present KE-13532	Present	Present (3)-60,(3)-28	Present	Present	Present 202-849-4


U.S. Regulations

Ethylbenzene

- Massachusetts RTK: Present
- New Jersey RTK Hazardous Substance List: 0851
- New Jersey (EHS) List: 0851 500 lb TPQ
- New Jersey - Discharge Prevention - List of Hazardous Substances: Present
- Pennsylvania RTK: Environmental hazard
- Pennsylvania RTK - Environmental Hazard List Present
- Minnesota - Hazardous Substance List: Present
- New York Release Reporting - List of Hazardous Substances:
1000 lb RQ
1 lb RQ
- Louisiana Reportable Quantity List for Pollutants: 1000lbfinal RQ
454kgfinal RQ
- California Directors List of Hazardous Substances: Present

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

 **WARNING:** This product can expose you to chemicals including (see table below) which is (are) known to the State of California to cause cancer. For more information go to www.p65warnings.ca.gov.

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)

Components	CAS-No.	Carcinogen	Developmental Toxicity	Male Reproductive Toxicity	Female Reproductive Toxicity:
Ethylbenzene	100-41-4	carcinogen	Not Listed	Not Listed	Not Listed

CERCLA/SARA

Components	CAS-No.	CERCLA - Hazardous Substances and	Section 302 Extremely Hazardous	Section 302 Extremely Hazardous	Section 313 - Chemical Category	Section 313 - Reporting de minimis

		their Reportable Quantities	Substances and TPQs	Substances and RQs		
Ethylbenzene	100-41-4	1000 lb final RQ 454 kg final RQ	None	None	None	0.1 % de minimis concentration

U.S. TSCA

Components	CAS-No.	TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS)	TSCA 8(d) -Health and Safety Reporting
Ethylbenzene	100-41-4	Not Applicable	Not Applicable

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information:

Component
Ethylbenzene
100-41-4 (100)

WHMIS 2015 Hazard Classification
Flammable liquids - Category 2: H225 Highly flammable liquid and vapour.; Acute toxicity - Inhalation - Category 4: H332 Harmful if inhaled.; Skin corrosion/irritation - Category 2: H315 Causes skin irritation.; Carcinogenicity - Category 2: H351 Suspected of causing cancer.; Aspiration hazard - Category 1: H304 May be fatal if swallowed and enters airways.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

B2 Flammable liquid
D2A Very toxic materials
D2B Toxic materials

Components
Ethylbenzene

WHMIS 1988
B2,D2A,D2B

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.

Components	WHMIS Ingredient Disclosure List -
Ethylbenzene	0.1 %

Inventory

Components	CAS-No.	Canada (DSL)	Canada (NDSL)
Ethylbenzene	100-41-4	Present	Not Listed

Components	CAS-No.	CEPA Schedule I - Toxic Substances
Ethylbenzene	100-41-4	Not listed
Components	CAS-No.	CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting
Ethylbenzene	100-41-4	Not listed

EU Classification

EU GHS - SV - CLP 1272/2008

Components	CAS-No.	EU GHS - SV - CLP (1272/2008)
Ethylbenzene	100-41-4	Flammable liquids - Flam. Liq. 2: H225 Highly flammable liquid and vapour.;

		Acute toxicity - Inhalation - Acute Tox. 4: H332 Harmful if inhaled. (Minimum classification); Specific target organ toxicity - Repeated exposure - STOT RE 2: H373 May cause damage to ears through prolonged or repeated exposure.; Aspiration hazard - Asp. Tox. 1: H304 May be fatal if swallowed and enters airways.601-023-00-4
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EU - CLP (1272/2008)

R-phrase(s)

R11 - Highly flammable.

R20 - Harmful by inhalation.

R65 - Harmful: may cause lung damage if swallowed.

R48/20 - Harmful: danger of serious damage to health by prolonged exposure through inhalation.

S -phrase(s)

S 2 - Keep out of the reach of children.

S16 - Keep away from sources of ignition - No smoking.

S29 - Do not empty into drains.

S62 - If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

S24/25 - Avoid contact with skin and eyes.

Components	CAS-No.	Classification	Concentration Limits:	Safety Phrases
Ethylbenzene	100-41-4	F; R11 Xn; R20-48/20-65	No information	S2 S16 S24/25 S29

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

Indication of danger:

F - Highly flammable.

Xn - Harmful.

16. OTHER INFORMATION

Preparation Date: 4/13/2018
Revision Date: 4/13/2018
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 Safety Data Sheet