

Double D

Safety Data Sheet



SECTION 1: Product and company identification

Product name : Double D
 Use of the substance/mixture : Aerosol
 Disinfectant
 Odorant
 Product code : 843001
 Company : Share Corporation
 P.O. Box 245013
 Milwaukee, WI 53224 - USA
 T (414) 355-4000
 Emergency number : Chemtrec: (800) 424-9300

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (GHS-US)

Flam. Aerosol 1 H222
 Compressed gas H280
 Eye Irrit. 2A H319
 Full text of H-phrases: see section 16

2.2. Label elements

GHS-US labeling

Hazard pictograms (GHS-US) :



Signal word (GHS-US) :

Danger

Hazard statements (GHS-US) :

Extremely flammable aerosol
 Contains gas under pressure; may explode if heated
 Causes serious eye irritation

Precautionary statements (GHS-US) :

Keep away from heat, sparks, open flames, hot surfaces, Do not smoke. - No smoking
 Do not spray on an open flame or other ignition source
 Pressurized container: Do not pierce or burn, even after use
 Wash thoroughly after handling
 Wear eye protection
 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
 Protect from sunlight. Store in a well-ventilated place
 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F

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. Substance

Not applicable

Full text of H-phrases: see section 16

3.2. Mixture

| Name | Product identifier | % | Classification (GHS-US) |
|-----------|--------------------|---------|---|
| ethanol | (CAS No) 64-17-5 | 50 - 60 | Flam. Liq. 2, H225 STOT SE 3, H336 |
| isobutane | (CAS No) 75-28-5 | 20 - 25 | Not classified |
| propane | (CAS No) 74-98-6 | 1 - 5 | Flam. Gas 1, H220 Compressed gas, H280 |

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| Name | Product identifier | % | Classification (GHS-US) |
|--|--------------------|--------|--|
| 2-phenylphenol (ISO), biphenyl-2-ol, 2-hydroxybiphenyl | (CAS No) 90-43-7 | <= 0.1 | Skin Irrit. 2, H315 Eye Irrit. 2A, H319 STOT SE 3, H335 Aquatic Acute 1, H400 |
| p-(1,1-dimethylpropyl)phenol | (CAS No) 80-46-6 | <= 0.1 | Acute Tox. 4 (Oral), H302 Acute Tox. 4 (Dermal), H312 |

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. Call a poison center or a doctor if you feel unwell.
- First-aid measures after skin contact : Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse.
- First-aid measures after eye contact : 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.
- First-aid measures after ingestion : May be harmful if swallowed. Call a physician immediately.

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

- Symptoms/injuries : Causes serious eye irritation.
- Symptoms/injuries after inhalation : None under normal use.
- Symptoms/injuries after skin contact : Contact during a long period may cause light irritation.
- Symptoms/injuries after eye contact : Causes serious eye irritation.
- Symptoms/injuries after ingestion : Gastrointestinal complaints. May be harmful if swallowed.

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 : Water spray. Foam. Water fog.

5.2. Special hazards arising from the substance or mixture

- Fire hazard : Extremely flammable aerosol.
- Explosion hazard : Bursting aerosol containers may be propelled from a fire at high speed. Pressurized container: may burst if heated. Vapors may travel long distances along ground before igniting/flashing back to vapor source.
- Reactivity : Upon combustion: CO and CO₂ are formed.

5.3. Advice for firefighters

- Firefighting instructions : Exercise caution when fighting any chemical fire. Move containers away from the fire area if this can be done without risk. No action shall be taken involving any personal risk or without suitable training. Use water spray or fog for cooling exposed containers.
- 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 : No flames, No sparks. Eliminate all sources of ignition. Evacuate unnecessary personnel. Isolate from fire, if possible, without unnecessary risk.

6.1.1. For non-emergency personnel

- Protective equipment : Do not enter without an appropriate protective equipment.
- Emergency procedures : Avoid contact with skin, eyes and clothing. Evacuate unnecessary personnel. Keep upwind. Ventilate spillage area.

6.1.2. For emergency responders

- Protective equipment : Equip cleanup crew with proper protection.
- Emergency procedures : Stop leak if safe to do so. Stop release. Ventilate area.

6.2. Environmental precautions

Stop leak if safe to do so. Isolate hazard area. Prevent entry to sewers and public waters. Eliminate all ignition sources. Use ventilation/water spray/fog to disperse vapors. Prevent runoff from entering drains, sewers or waterways. Take up liquid spill into inert absorbent material.

6.3. Methods and material for containment and cleaning up

- For containment : Dam up the liquid spill. Collect spillage.
- Methods for cleaning up : Carefully collect the spill/leftovers. This material and its container must be disposed of in a safe way, and as per local legislation.

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6.4. Reference to other sections

No additional information available

SECTION 7: Handling and storage

7.1. Precautions for safe handling

- Additional hazards when processed : Handle empty containers with care because residual vapors are flammable. Pressurized container: Do not pierce or burn, even after use. Keep away from heat, sparks and flame.
- Precautions for safe handling : Avoid contact with skin, eyes and clothing. Intentional misuse by deliberately concentrating and inhaling may be harmful or fatal.
- Hygiene measures : Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Technical measures : Do not puncture, incinerate or crush. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Storage conditions : Do not expose to temperatures exceeding 50 °C/ 122 °F. Keep cool. Protect from sunlight. Store in a well-ventilated place. Store in a dry place.
- Incompatible products : Strong oxidizers. acids.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

| ethanol (64-17-5) | | |
|---------------------|----------------------|----------|
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |
| ACGIH | Remark (ACGIH) | URT irr |
| propane (74-98-6) | | |
| ACGIH | ACGIH TWA (ppm) | 1000 ppm |
| OSHA | OSHA PEL (TWA) (ppm) | 1000 ppm |
| isobutane (75-28-5) | | |
| ACGIH | ACGIH STEL (ppm) | 1000 ppm |

8.2. Exposure controls

- Appropriate engineering controls : Ensure good ventilation of the work station.
- Personal protective equipment : Safety glasses. 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 : Gas
- Appearance : Aerosol. clear. Liquid.
- Odor : Pleasant scent
- Odor threshold : No data available
- pH : 7 - 8
- Melting point : No data available
- Freezing point : No data available
- Boiling point : No data available
- Flash point : 70 °F (liquid portion)
- 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

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| | |
|----------------------------|---------------------|
| Specific gravity / density | : 0.9 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 | : No data available |
| Viscosity, dynamic | : No data available |
| VOC content | : 85 % |

SECTION 10: Stability and reactivity

10.1. Reactivity

Upon combustion: CO and CO₂ are formed.

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

Aerosol containers are unstable at temperatures above 49°C. Avoid temperatures exceeding the flash point.

10.5. Incompatible materials

Oxidizing agent. Acids.

10.6. Hazardous decomposition products

Carbon dioxide. Carbon monoxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

| ethanol (64-17-5) | |
|--------------------------|--|
| LD50 oral rat | 10740 mg/kg body weight (Rat; OECD 401: Acute Oral Toxicity; Experimental value) |
| LD50 dermal rabbit | > 16000 mg/kg (Rabbit; Literature study) |
| ATE CLP (oral) | 10740.000 mg/kg body weight |

| p-(1,1-dimethylpropyl)phenol (80-46-6) | |
|---|---------------------|
| LD50 oral rat | 1830 mg/kg (Rat) |
| LD50 dermal rabbit | 2000 mg/kg (Rabbit) |

| | |
|-----------------------------------|---|
| Skin corrosion/irritation | : Not classified pH: 7 - 8 |
| Serious eye damage/irritation | : Causes serious eye irritation. pH: 7 - 8 |
| Respiratory or skin sensitization | : Not classified |
| Germ cell mutagenicity | : Not classified |
| Carcinogenicity | : Not classified |

| 2-phenylphenol (ISO), biphenyl-2-ol, 2-hydroxybiphenyl (90-43-7) | |
|---|----------------------|
| IARC group | 3 - Not Classifiable |

| | |
|--|---|
| 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/injuries after inhalation | : None under normal use. |
| Symptoms/injuries after skin contact | : Contact during a long period may cause light irritation. |
| Symptoms/injuries after eye contact | : Causes serious eye irritation. |
| Symptoms/injuries after ingestion | : Gastrointestinal complaints. May be harmful if swallowed. |

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SECTION 12: Ecological information

12.1. Toxicity

| | |
|---|---|
| ethanol (64-17-5) | |
| LC50 fish 1 | 14200 mg/l (96 h; Pimephales promelas) |
| EC50 Daphnia 1 | 9300 mg/l (48 h; Daphnia magna) |
| LC50 fish 2 | 13000 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss) |
| EC50 Daphnia 2 | 10800 mg/l (24 h; Daphnia magna) |
| Threshold limit other aquatic organisms 1 | 65 mg/l (72 h; Protozoa) |
| Threshold limit algae 1 | 1450 mg/l (192 h; Microcystis aeruginosa; Growth rate) |
| Threshold limit algae 2 | 5000 mg/l (168 h; Scenedesmus quadricauda; Growth rate) |

12.2. Persistence and degradability

| | |
|--|---|
| ethanol (64-17-5) | |
| Persistence and degradability | Readily biodegradable in water. Biodegradable in the soil. Highly mobile in soil. |
| Biochemical oxygen demand (BOD) | 0.8 - 0.967 g O ₂ /g substance |
| Chemical oxygen demand (COD) | 1.70 g O ₂ /g substance |
| ThOD | 2.10 g O ₂ /g substance |
| BOD (% of ThOD) | 0.43 % ThOD |
| p-(1,1-dimethylpropyl)phenol (80-46-6) | |
| Persistence and degradability | Biodegradability in water: no data available. |

12.3. Bioaccumulative potential

| | |
|--|--|
| ethanol (64-17-5) | |
| BCF fish 1 | 1 (72 h; Cyprinus carpio) |
| Log Pow | -0.31 (Experimental value) |
| Bioaccumulative potential | Low potential for bioaccumulation (Log Kow < 4). |
| p-(1,1-dimethylpropyl)phenol (80-46-6) | |
| Bioaccumulative potential | No bioaccumulation data available. |

SECTION 13: Disposal considerations

13.1. Waste treatment methods

No additional information available

SECTION 14: Transport information

Department of Transportation (DOT)

| | |
|----------------------------------|---|
| Transport document description | : UN1950 Aerosols (flammable, (each not exceeding 1 L capacity)), 2.1 |
| UN-No.(DOT) | : UN1950 |
| Proper Shipping Name (DOT) | : Aerosols flammable, (each not exceeding 1 L capacity) |
| Transport hazard class(es) (DOT) | : 2.1 - Class 2.1 - Flammable gas 49 CFR 173.115 |
| Hazard labels (DOT) | : 2.1 - Flammable gas |



| | |
|--|----------|
| DOT Packaging Non Bulk (49 CFR 173.xxx) | : None |
| DOT Packaging Bulk (49 CFR 173.xxx) | : None |
| DOT Special Provisions (49 CFR 172.102) | : N82 |
| DOT Packaging Exceptions (49 CFR 173.xxx) | : 306 |
| DOT Quantity Limitations Passenger aircraft/rail (49 CFR 173.27) | : 75 kg |
| DOT Quantity Limitations Cargo aircraft only (49 CFR 175.75) | : 150 kg |
| DOT Vessel Stowage Location | : A |

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DOT Vessel Stowage Other : 25 - Shade from radiant heat, 87 - Stow "separated from" Class 1 (explosives) except Division 14, 126 - Segregation same as for Class 9, miscellaneous hazardous materials

Additional information

Other information : This product may be eligible to be shipped as a Limited Quantity or Consumer Commodity ORM-D utilizing the exception found at 49 CFR 173.306.

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.

Chemical(s) subject to the reporting requirements of Section 313 or Title III of the Superfund Amendments and Reauthorization Act (SARA) of 1986 and 40 CFR Part 372.

| | | |
|--|----------------|--------|
| 2-phenylphenol (ISO), biphenyl-2-ol, 2-hydroxybiphenyl | CAS No 90-43-7 | <= 0.1 |
|--|----------------|--------|

| |
|---|
| propane (74-98-6) |
| Not listed on SARA Section 313 (Specific toxic chemical listings) |

| |
|--|
| 2-phenylphenol (ISO), biphenyl-2-ol, 2-hydroxybiphenyl (90-43-7) |
| Listed on SARA Section 313 (Specific toxic chemical listings) |

California Proposition 65 - This product contains, or may contain, trace quantities of a substance(s) known to the state of California to cause cancer and/or reproductive toxicity.

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

CAUTION: Causes moderate eye irritation. Avoid contact with eyes and clothing. Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.

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:

| | |
|-----------------------|--|
| Acute Tox. 4 (Dermal) | Acute toxicity (dermal) Category 4 |
| Acute Tox. 4 (Oral) | Acute toxicity (oral) Category 4 |
| Aquatic Acute 1 | Hazardous to the aquatic environment - Acute Hazard Category 1 |
| Compressed gas | Gases under pressure Compressed gas |
| Eye Irrit. 2A | Serious eye damage/eye irritation Category 2A |
| Flam. Aerosol 1 | Flammable aerosol Category 1 |
| Flam. Gas 1 | Flammable gases Category 1 |
| Flam. Liq. 2 | Flammable liquids Category 2 |
| Skin Irrit. 2 | Skin corrosion/irritation Category 2 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| STOT SE 3 | Specific target organ toxicity (single exposure) Category 3 |
| H220 | Extremely flammable gas |
| H222 | Extremely flammable aerosol |
| H225 | Highly flammable liquid and vapor |
| H280 | Contains gas under pressure; may explode if heated |
| H302 | Harmful if swallowed |
| H312 | Harmful in contact with skin |
| H315 | Causes skin irritation |
| H319 | Causes serious eye irritation |
| H335 | May cause respiratory irritation |
| H336 | May cause drowsiness or dizziness |

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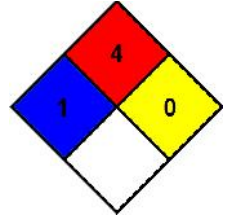
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H400

Very toxic to aquatic life

- NFPA health hazard : 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
- NFPA fire hazard : 4 - Will rapidly or completely vaporize at normal pressure and temperature, or is readily dispersed in air and will burn readily.
- NFPA reactivity : 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.



Prepared by: Technical Department

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