

SAFETY DATA SHEET

SECTION 1 PRODUCT and COMPANY INFORMATION

TRADE NAME: **Castle® Dragon Fire™**

PRODUCT TYPE: Carb & Choke Cleaner
PRODUCT CODE: C2002, C0817

MANUFACTURED FOR: Castle Products, Inc.
424 St. Paul Street
Rochester, NY 14605
(800) 876-0222
EMERGENCY (585) 275-3232

SECTION 2 HAZARDS IDENTIFICATION

| | | |
|----------------------|---------------------------------------------------|-----------------------------|
| Physical hazards | Flammable aerosols | Category 1 |
| Health hazards | Skin corrosion/irritation | Category 2 |
| | Serious eye damage/eye irritation | Category 2A |
| | Carcinogenicity | Category 2 |
| | Reproductive toxicity (the unborn child) | Category 2 |
| | Specific target organ toxicity, single exposure | Category 3 narcotic effects |
| | Specific target organ toxicity, repeated exposure | Category 2 |
| OSHA defined hazards | Aspiration hazard | Category 1 |
| Label elements | Not classified. | |



| | |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Signal word | Danger |
| Hazard statement | Extremely flammable aerosol. May be fatal if swallowed and enters airways. Causes skin irritation. Causes serious eye irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Suspected of damaging the unborn child. May cause damage to organs through prolonged or repeated exposure. |
| Precautionary statement | |
| Prevention | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not breathe gas. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Wear protective gloves/protective clothing/eye protection/face protection. |
| Response | If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If on skin: Wash with plenty of water. If inhaled: Remove person to fresh air and keep comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If exposed or concerned: Get medical advice/attention. Call a poison center/doctor if you feel unwell. If skin irritation occurs: Get medical advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated clothing and wash before reuse. |
| Storage | Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. |
| Disposal | Dispose of contents/container in accordance with local/regional/national/international regulations. |
| Environmental hazards | Hazardous to the aquatic environment, acute Category 3 hazard |

Hazardous to the aquatic environment,
long-term hazard

Category 3

Hazard(s) not otherwise
classified (HNOC)

None known.

Supplemental information

None.

SECTION 3 COMPOSITION INFORMATION ON INGREDIENTS

Mixtures

| Chemical name | Common name and synonyms | CAS number | % |
|------------------------------------------|--------------------------|------------|----------|
| Acetone | | 67-64-1 | 40 - 60 |
| Toluene | | 108-88-3 | 20 - 40 |
| Xylene | | 1330-20-7 | 10 - 20 |
| Carbon Dioxide | | 124-38-9 | 2.5 - 10 |
| Ethyl Benzene | | 100-41-4 | 2.5 - 10 |
| Methanol | | 67-56-1 | 2.5 - 10 |
| Other components below reportable levels | | | 0.1 - 1 |

*Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

SECTION 4 FIRST AID MEASURES

| | |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | 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. |
| Skin contact | Remove contaminated clothing. Wash with plenty of soap and water. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before reuse. |
| Eye contact | Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists. |
| Ingestion | Call a physician or poison control center immediately. Rinse mouth. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. |
| Most important symptoms/effects, acute and delayed | Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain. Prolonged exposure may cause chronic effects. |
| Indication of immediate medical attention and special treatment needed | Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed. |
| General information | IF exposed or concerned: Get medical advice/attention. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. |

SECTION 5 FIRE FIGHTING MEASURES

| | |
|---------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable extinguishing media | Alcohol resistant foam. Powder. Carbon dioxide (CO ₂). |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Specific hazards arising from the chemical | Contents under pressure. Pressurized container may explode when exposed to heat or flame. During fire, gases hazardous to health may be formed. |
| Special protective equipment and precautions for firefighters | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| Fire fighting equipment/instructions | Move containers from fire area if you can do so without risk. Containers should be cooled with water to prevent vapor pressure build up. For massive fire in cargo area, use unmanned hose holder or monitor nozzles, if possible. If not, withdraw and let fire burn out. |
| Specific methods | Use standard firefighting procedures and consider the hazards of other involved materials. Move containers from fire area if you can do so without risk. Use water spray to cool unopened containers. In the event of fire and/or explosion do not breathe fumes. |
| General fire hazards | Extremely flammable aerosol. |

SECTION 6 ACCIDENTAL RELEASE MEASURES

| | |
|---------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Personal precautions, protective equipment and emergency procedures | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not breathe gas. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS. |
| Methods and materials for containment and cleaning up | Refer to attached safety data sheets and/or instructions for use. Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Isolate area until gas has dispersed. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Prevent product from entering drains. Cover with plastic sheet to prevent spreading. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water. |
| Environmental precautions | Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. For waste disposal, see section 13 of the SDS. Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground. |

SECTION 7 HANDLING AND STORAGE

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|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Precautions for safe handling | Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. All equipment used when handling the product must be grounded. Do not re-use empty containers. Do not breathe gas. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Observe good industrial hygiene practices. |
| Conditions for safe storage, including any incompatibilities | Level 2 Aerosol. Store locked up. Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store away from incompatible materials (see Section 10 of the SDS). |

SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational exposure limits

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

| Components | Type | Value |
|-------------------------------|------|---------------------------------|
| Acetone (CAS 67-64-1) | PEL | 2400 mg/m3 1000 ppm |
| Carbon Dioxide (CAS 124-38-9) | PEL | 9000 mg/m3 5000 ppm |
| Ethyl Benzene (CAS 100-41-4) | PEL | 435 mg/m3 |
| Methanol (CAS 67-56-1) | PEL | 100 ppm 260 mg/m3 200 ppm |
| Xylene (CAS 1330-20-7) | PEL | 435 mg/m3 100 ppm |

US. OSHA Table Z-2 (29 CFR 1910.1000)

| Components | Type | Value |
|------------------------|---------|---------|
| Toluene (CAS 108-88-3) | Ceiling | 300 ppm |
| | TWA | 200 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-----------------------|------|---------|
| Acetone (CAS 67-64-1) | STEL | 500 ppm |

US. ACGIH Threshold Limit Values

| Components | Type | Value |
|-------------------------------|------|-----------|
| Carbon Dioxide (CAS 124-38-9) | TWA | 250 ppm |
| | STEL | 30000 ppm |
| Ethyl Benzene (CAS 100-41-4) | TWA | 5000 ppm |
| | TWA | 20 ppm |
| Methanol (CAS 67-56-1) | STEL | 250 ppm |
| | TWA | 200 ppm |
| Toluene (CAS 108-88-3) | TWA | 20 ppm |
| Xylene (CAS 1330-20-7) | STEL | 150 ppm |
| | TWA | 100 ppm |

US. NIOSH: Pocket Guide to Chemical Hazards

| Components | Type | Value |
|------------------------------|------|--------------------------|
| Acetone (CAS 67-64-1) | TWA | 590 mg/m3 250 ppm |
| | STEL | 54000 mg/m3 30000 ppm |
| Ethyl Benzene (CAS 100-41-4) | TWA | 9000 mg/m3 5000 ppm |
| | STEL | 545 mg/m3 125 ppm |
| Methanol (CAS 67-56-1) | TWA | 435 mg/m3 100 ppm |
| | STEL | 325 mg/m3 250 ppm |
| Toluene (CAS 108-88-3) | TWA | 260 mg/m3 200 ppm |
| | STEL | 560 mg/m3 150 ppm |
| | TWA | 375 mg/m3 100 ppm |

Biological limit values

ACGIH Biological Exposure Indices

| Components | Value | Determinant | Specimen | Sampling Time |
|------------------------------|-----------|-----------------------------------------------|---------------------|---------------|
| Acetone (CAS 67-64-1) | 25 mg/l | Acetone | Urine | * |
| Ethyl Benzene (CAS 100-41-4) | 0.15 g/g | Sum of mandelic acid and phenylglyoxylic acid | Creatinine in urine | * |
| Methanol (CAS 67-56-1) | 15 mg/l | Methanol | Urine | * |
| Toluene (CAS 108-88-3) | 0.3 mg/g | o-Cresol, with hydrolysis | Creatinine in urine | * |
| | 0.03 mg/l | Toluene | Urine | * |
| Xylene (CAS 1330-20-7) | 0.02 mg/l | Toluene | Blood | * |
| | 1.5 g/g | Methylhippuric acids | Creatinine in urine | * |

* - For sampling details, please see the source document.

Exposure guidelines

US - California OELs: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

Toluene (CAS 108-88-3)

Can be absorbed through the skin.

US - Minnesota Haz Subs: Skin designation applies

Methanol (CAS 67-56-1)

Skin designation applies.

Toluene (CAS 108-88-3)

Skin designation applies.

US - Tennessee OELs: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

US ACGIH Threshold Limit Values: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

US NIOSH Pocket Guide to Chemical Hazards: Skin designation

Methanol (CAS 67-56-1)

Can be absorbed through the skin.

Appropriate engineering controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Eye wash facilities and emergency shower must be available when handling this product.

Individual protection measures, such as personal protective equipment

Eye/face protection

Wear safety glasses with side shields (or goggles).

Skin protection

Hand protection

Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.

Respiratory protection

If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

Observe any medical surveillance requirements. When using do not smoke. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 PHYSICAL and CHEMICAL PROPERTIES

Appearance

Physical state

Gas.

Form

Aerosol.

Color

Not available.

Odor

Not available.

Odor threshold

Not available.

pH

Not available.

Melting point/freezing point

Not available.

Initial boiling point and boiling range

147.52 °F (64.18 °C) estimated

Flash point

13.7 °F (-10.2 °C) estimated

Evaporation rate

Not available.

Flammability (solid, gas)

Not available.

Upper/lower flammability or explosive limits

Flammability limit - lower (%)

2.2 % estimated

Flammability limit - upper (%)

11.3 % estimated

Explosive limit - lower (%)

Not available.

Explosive limit - upper (%)

Not available.

Vapor pressure

Not available.

Vapor density

Not available.

Relative density

Not available.

Solubility(ies)

Solubility (water)

Not available.

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Not available.

| | |
|---------------------------|----------------|
| Decomposition temperature | Not available. |
| Viscosity | Not available. |
| Other information | |
| Explosive properties | Not explosive. |
| Oxidizing properties | Not oxidizing. |

SECTION 10 STABILITY and REACTIVITY DATA

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------|
| Reactivity | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| Chemical stability | Material is stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous polymerization does not occur. |
| Conditions to avoid | Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| Incompatible materials | Strong acids. Acids. Strong oxidizing agents. Aluminum. Halogens. |
| Hazardous decomposition products | No hazardous decomposition products are known. |

SECTION 11 TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

| | |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Inhalation | May cause damage to organs through prolonged or repeated exposure by inhalation. May cause drowsiness and dizziness. Headache. Nausea, vomiting. |
| Skin contact | Causes skin irritation. |
| Eye contact | Causes serious eye irritation. |
| Ingestion | Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. |

Symptoms related to the physical, chemical and toxicological characteristics Aspiration may cause pulmonary edema and pneumonitis. May cause drowsiness and dizziness. Headache. Nausea, vomiting. Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Skin irritation. May cause redness and pain.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways. Narcotic effects.

| Components | Species | Test Results |
|------------------------------|------------|------------------------------------------------------|
| Acetone (CAS 67-64-1) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Guinea pig | > 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours |
| | Rabbit | > 7426 mg/kg, 24 Hours > 9.4 ml/kg, 24 Hours |
| Inhalation | | |
| LC50 | Rat | 55700 ppm, 3 Hours 132 mg/l, 3 Hours 50.1 mg/l |
| Oral | | |
| LD50 | Rat | 5800 mg/kg 2.2 ml/kg |
| Ethyl Benzene (CAS 100-41-4) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | 17.8 ml/kg, 24 Hours |
| Inhalation | | |
| LC50 | Mouse | > 8000 ppm, 20 Minutes |
| | Rat | 4000 ppm |

| Components | Species | Test Results |
|------------------------|---------|------------------------------------------------|
| Oral LD50 | Rat | 3500 mg/kg |
| Methanol (CAS 67-56-1) | | |
| <u>Acute</u> | | |
| Inhalation | | |
| LC50 | Cat | 85.41 mg/l, 4.5 Hours 43.68 mg/l, 6 Hours |
| | Mouse | 79.43 mg/l, 134 Minutes |
| | Rat | > 115.9 mg/l, 4 Hours 82.1 mg/l, 6 Hours |
| Oral LD50 | Monkey | 6000 mg/kg |
| | Pig | > 5000 mg/kg |
| | Rat | 1187 - 2769 mg/kg |
| Toluene (CAS 108-88-3) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 5000 mg/kg, 24 Hours |
| Inhalation | | |
| LC50 | Mouse | 6405 - 7436 ppm, 6 Hours 5320 ppm, 8 Hours |
| | Rat | 5879 - 6281 ppm, 6 Hours 25.7 mg/l, 4 Hours |
| Oral LD50 | Rat | > 5000 mg/kg |
| Xylene (CAS 1330-20-7) | | |
| <u>Acute</u> | | |
| Dermal | | |
| LD50 | Rabbit | > 5000 ml/kg, 4 Hours 12126 mg/kg, 24 Hours |
| Inhalation | | |
| LC50 | Rat | 5922 ppm, 4 Hours |
| Oral LD50 | Mouse | 5251 mg/kg |
| | Rat | 3523 mg/kg 10 ml/kg |

* Estimates for product may be based on additional component data not shown.

| | |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|
| Skin corrosion/irritation | Causes skin irritation. |
| Serious eye damage/eye irritation | Causes serious eye irritation. |
| Respiratory or skin sensitization | |
| Respiratory sensitization | Not a respiratory sensitizer. |
| Skin sensitization | This product is not expected to cause skin sensitization. |
| Germ cell mutagenicity | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| Carcinogenicity | Suspected of causing cancer. |
| IARC Monographs. Overall Evaluation of Carcinogenicity | |
| Ethyl Benzene (CAS 100-41-4) | 2B Possibly carcinogenic to humans. |
| Toluene (CAS 108-88-3) | 3 Not classifiable as to carcinogenicity to humans. |

Xylene (CAS 1330-20-7)
 OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

3 Not classifiable as to carcinogenicity to humans.

Not regulated.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

| | |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reproductive toxicity | Components in this product have been shown to cause birth defects and reproductive disorders in laboratory animals. Suspected of damaging the unborn child. |
| Specific target organ toxicity - single exposure | May cause drowsiness and dizziness. |
| Specific target organ toxicity - repeated exposure | May cause damage to organs through prolonged or repeated exposure. |
| Aspiration hazard | May be fatal if swallowed and enters airways. |
| Chronic effects | May cause damage to organs through prolonged or repeated exposure. Prolonged inhalation may be harmful. Prolonged exposure may cause chronic effects. |

SECTION 12 ECOLOGICAL INFORMATION

Ecotoxicity Harmful to aquatic life with long lasting effects.

| Components | | Species | Test Results |
|-------------------------------------|------|-----------------------------------------------------|------------------------------|
| Acetone (CAS 67-64-1) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | 21.6 - 23.9 mg/l, 48 hours |
| Fish | LC50 | Rainbow trout,donaldson trout (Oncorhynchus mykiss) | 4740 - 6330 mg/l, 96 hours |
| Ethyl Benzene (CAS 100-41-4) | | | |
| Aquatic | | | |
| Algae | IC50 | Algae | 4.6 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 2.1 mg/L, 48 Hours |
| | | Water flea (Daphnia magna) | 1.37 - 4.4 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | 7.5 - 11 mg/l, 96 hours |
| Methanol (CAS 67-56-1) | | | |
| Aquatic | | | |
| Crustacea | EC50 | Water flea (Daphnia magna) | > 10000 mg/l, 48 hours |
| Fish | LC50 | Fathead minnow (Pimephales promelas) | > 100 mg/l, 96 hours |
| Toluene (CAS 108-88-3) | | | |
| Aquatic | | | |
| Algae | IC50 | Algae | 433.0001 mg/L, 72 Hours |
| Crustacea | EC50 | Daphnia | 7.645 mg/L, 48 Hours |
| | | Water flea (Daphnia magna) | 5.46 - 9.83 mg/l, 48 hours |
| Fish | LC50 | Coho salmon,silver salmon (Oncorhynchus kisutch) | 8.11 mg/l, 96 hours |
| Xylene (CAS 1330-20-7) | | | |
| Aquatic | | | |
| Fish | LC50 | Bluegill (Lepomis macrochirus) | 7.711 - 9.591 mg/l, 96 hours |

* Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

| | |
|---------------|------------|
| Acetone | -0.24 |
| Ethyl Benzene | 3.15 |
| Methanol | -0.77 |
| Toluene | 2.73 |
| Xylene | 3.12 - 3.2 |

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 DISPOSAL CONSIDERATIONS

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Do not puncture, incinerate or crush. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

Waste from residues / unused products Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

Contaminated packaging Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

SECTION 14 TRANSPORT INFORMATION

DOT

UN number UN1950
 UN proper shipping name Aerosols, flammable
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk 6.1(PGI, II)
 Label(s) 2.1, 6.1
 Packing group Not applicable.
 Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
 Special provisions N82
 Packaging exceptions 306
 Packaging non bulk None
 Packaging bulk None

IATA

UN number UN1950
 UN proper shipping name Aerosols, flammable, containing substances in Division 6.1, Packing Group II
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk 6.1(PGI, II)
 Packing group Not applicable.
 Environmental hazards No.
 ERG Code 10P
 Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
 Other information
 Passenger and cargo aircraft Forbidden
 Cargo aircraft only Forbidden

IMDG

UN number UN1950
 UN proper shipping name AEROSOLS
 Transport hazard class(es)
 Class 2.1
 Subsidiary risk 6.1(PGI, II)
 Label(s) 2.1, 6.1
 Packing group Not applicable.
 Environmental hazards
 Marine pollutant No.
 EmS F-D, S-U
 Special precautions for user Read safety instructions, SDS and emergency procedures before handling.
 Packaging Exceptions NOT a LTD QTY

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable.

DOT



IATA; IMDG



SECTION 15 REGULATORY INFORMATION

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

| | |
|------------------------------|---------|
| Acetone (CAS 67-64-1) | Listed. |
| Ethyl Benzene (CAS 100-41-4) | Listed. |
| Methanol (CAS 67-56-1) | Listed. |
| Toluene (CAS 108-88-3) | Listed. |
| Xylene (CAS 1330-20-7) | Listed. |

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

| | |
|-------------------|------------------------|
| Hazard categories | Immediate Hazard - Yes |
| | Delayed Hazard - Yes |
| | Fire Hazard - Yes |
| | Pressure Hazard - Yes |
| | Reactivity Hazard - No |

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical No

SARA 313 (TRI reporting)

| Chemical name | CAS number | % by wt. |
|---------------|------------|----------|
| Toluene | 108-88-3 | 20 - 40 |
| Xylene | 1330-20-7 | 10 - 20 |
| Ethyl Benzene | 100-41-4 | 2.5 - 10 |
| Methanol | 67-56-1 | 2.5 - 10 |

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

Drug Enforcement Administration (DEA). List 2, Essential Chemicals (21 CFR 1310.02(b) and 1310.04(f)(2) and Chemical Code Number

| | |
|------------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
| Toluene (CAS 108-88-3) | 6594 |

Drug Enforcement Administration (DEA). List 1 & 2 Exempt Chemical Mixtures (21 CFR 1310.12(c))

| | |
|------------------------|--------|
| Acetone (CAS 67-64-1) | 35 %WV |
| Toluene (CAS 108-88-3) | 35 %WV |

DEA Exempt Chemical Mixtures Code Number

| | |
|------------------------|------|
| Acetone (CAS 67-64-1) | 6532 |
| Toluene (CAS 108-88-3) | 594 |

US state regulations

US. California Controlled Substances. CA Department of Justice (California Health and Safety Code Section 11100)

Not listed.

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Acetone (CAS 67-64-1)
Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. Massachusetts RTK - Substance List

Acetone (CAS 67-64-1)
Carbon Dioxide (CAS 124-38-9)
Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. New Jersey Worker and Community Right-to-Know Act

Acetone (CAS 67-64-1)
Carbon Dioxide (CAS 124-38-9)
Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. Pennsylvania Worker and Community Right-to-Know Law

Acetone (CAS 67-64-1)
Carbon Dioxide (CAS 124-38-9)
Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. Rhode Island RTK

Acetone (CAS 67-64-1)
Ethyl Benzene (CAS 100-41-4)
Methanol (CAS 67-56-1)
Toluene (CAS 108-88-3)
Xylene (CAS 1330-20-7)

US. California Proposition 65

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

US - California Proposition 65 - CRT: Listed date/Carcinogenic substance
 Ethyl Benzene (CAS 100-41-4) Listed: June 11, 2004
 US - California Proposition 65 - CRT: Listed date/Developmental toxin
 Methanol (CAS 67-56-1) Listed: March 16, 2012
 Toluene (CAS 108-88-3) Listed: January 1, 1991

International Inventories

| Country(s) or region | Inventory name | On inventory (yes/no)* |
|-----------------------------|------------------------------------------------------------------------|------------------------|
| Australia | Australian Inventory of Chemical Substances (AICS) | Yes |
| Canada | Domestic Substances List (DSL) | Yes |
| Canada | Non-Domestic Substances List (NDSL) | No |
| China | Inventory of Existing Chemical Substances in China (IECSC) | Yes |
| Europe | European Inventory of Existing Commercial Chemical Substances (EINECS) | No |
| Europe | European List of Notified Chemical Substances (ELINCS) | No |
| Japan | Inventory of Existing and New Chemical Substances (ENCS) | No |
| Korea | Existing Chemicals List (ECL) | Yes |
| New Zealand | New Zealand Inventory | No |
| Philippines | Philippine Inventory of Chemicals and Chemical Substances (PICCS) | Yes |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory | Yes |

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
 A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

SECTION 16 OTHER INFORMATION

Other: NA-Not Applicable, ND-Not Determined, NE-Not Established.

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PREPARED: 6/9/95

UPDATED: 8/11/16

PRODUCT #: C2002, C0817