

Safety Data Sheet



Revision date 05-Aug-2020

Version 6

1. Identification

Product identifier

Product name QSil Primer #5

Other means of identification

Synonyms None

Recommended use of the chemical and restrictions on use

Recommended use Primers

Restrictions on use For industrial use only

Details of the supplier of the safety data sheet

| Supplier | Manufacturer Address |
|--|---|
| CHT USA Inc. 805 Wolfe Avenue Cassopolis, MI 49031 | CHT USA Inc. 7820 Whitepine Rd Richmond, VA 23237 |

Emergency telephone number

Company Phone Number 800-852-3147 (8AM - 5PM EST)

Emergency telephone Chemtrec 1-800-424-9300



chemical-concepts.com

800.220.1966

410 Pike Road • Huntingdon Valley, PA 19006

2. Hazard(s) identification

Classification

| | |
|--|-------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Dermal | Category 3 |
| Acute toxicity - Inhalation (Vapors) | Category 3 |
| Acute toxicity - Inhalation (Dusts/Mists) | Category 4 |
| Carcinogenicity | Category 1A |
| Specific target organ toxicity (single exposure) | Category 1 |
| Flammable liquids | Category 2 |

Hazards not otherwise classified (HNOC)

Not applicable

Label elements

Danger

Hazard statements

Harmful if swallowed
Toxic in contact with skin
Toxic if inhaled
May cause cancer
Causes damage to organs

Highly flammable liquid and vapor



Appearance Liquid

Physical state Liquid

Odor Alcohol

Precautionary Statements - Prevention

- Obtain special instructions before use
- Do not handle until all safety precautions have been read and understood
- Use only outdoors or in a well-ventilated area
- Do not breathe dust/fume/gas/mist/vapors/spray
- Wash face, hands and any exposed skin thoroughly after handling
- Do not eat, drink or smoke when using this product
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. 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
- Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

- Specific treatment (see .? on this label)
- IF EXPOSED: Call a POISON CENTER or doctor
- Specific treatment (see .? on this label)
- Call a POISON CENTER or doctor if you feel unwell
- IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower
- Wash contaminated clothing before reuse
- Call a POISON CENTER or doctor
- IF INHALED: Remove person to fresh air and keep comfortable for breathing
- IF SWALLOWED: Call a POISON CENTER or doctor if you feel unwell
- Rinse mouth
- In case of fire: Use CO2, dry chemical, or foam to extinguish

Precautionary Statements - Storage

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

Precautionary Statements - Disposal

- Dispose of contents/container to an approved waste disposal plant

Unknown acute toxicity

- 7.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 7.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
- 7.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
- 7.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

OTHER INFORMATION

Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

3. Composition/information on ingredients

Substance

Not applicable.

Mixture

| Chemical name | CAS No | Weight-% | Trade secret |
|---------------|---------|----------|--------------|
| Ethanol | 64-17-5 | 30 - 60 | * |
| Methanol | 67-56-1 | 30 - 60 | * |

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4. First-aid measures

Description of first aid measures

- General advice** IF exposed or concerned: Get medical advice/attention. Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.
- Inhalation** IF exposed or concerned: Get medical advice/attention. If breathing has stopped, give artificial respiration. Get medical attention immediately. Remove to fresh air. Immediate medical attention is required. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. If breathing is difficult, (trained personnel should) give oxygen.
- Eye contact** Do not rub affected area. Get immediate medical advice/attention. Keep eye wide open while rinsing. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.
- Skin contact** Get immediate medical advice/attention. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
- Ingestion** Get immediate medical advice/attention. Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person.
- Self-protection of the first aider** Remove all sources of ignition. Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; give artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device. Do not breathe vapor or mist. Use personal protective equipment as required. See section 8 for more information.

Most important symptoms and effects, both acute and delayed

Symptoms Coughing and/ or wheezing. Difficulty in breathing.

Indication of any immediate medical attention and special treatment needed

Note to physicians Treat symptomatically.

5. Fire-fighting measures

- Suitable Extinguishing Media** Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.
Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.
- Unsuitable extinguishing media** Do not scatter spilled material with high pressure water streams.
- Specific hazards arising from the chemical** Risk of ignition. Keep product and empty container away from heat and sources of ignition. In the event of fire, cool tanks with water spray. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.
- Explosion Data**
Sensitivity to mechanical impact None.

Sensitivity to static discharge Yes.

Special protective equipment for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Personal precautions See section 8 for more information. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Pay attention to flashback. Take precautionary measures against static discharges. All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other information Ventilate the area. Refer to protective measures listed in Sections 7 and 8.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Do not touch or walk through spilled material. A vapor suppressing foam may be used to reduce vapors. Dike far ahead of spill to collect runoff water. Keep out of drains, sewers, ditches and waterways. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up Take precautionary measures against static discharges. Dam up. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

7. Handling and storage

Precautions for safe handling

Advice on safe handling Use personal protection equipment. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment. Keep in an area equipped with sprinklers. Use according to package label instructions. Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. In case of insufficient ventilation, wear suitable respiratory equipment. Handle product only in closed system or provide appropriate exhaust ventilation. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Keep in properly labeled containers. Do not store near combustible materials. Keep in an area equipped with sprinklers. Store in accordance with the particular national regulations. Store in accordance with local regulations. Keep containers tightly closed in a dry, cool and well-ventilated place. Store locked up. Keep out of the reach of children.

8. Exposure controls/personal protection

Control parameters

Exposure Limits

OTHER INFORMATION

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

Biological occupational exposure limits

This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies

Appropriate engineering controls

Engineering controls Showers
 Eyewash stations
 Ventilation systems.

Individual protection measures, such as personal protective equipment

Eye/face protection Tight sealing safety goggles.

Hand protection Impervious gloves. Wear suitable gloves.

Skin and body protection Antistatic boots. Long sleeved clothing. Chemical resistant apron. Wear suitable protective clothing.

Respiratory protection No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes or clothing. Do not breathe vapor or mist. Do not eat, drink or smoke when using this product. Remove and wash contaminated clothing and gloves, including the inside, before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing is recommended. Wash hands before breaks and immediately after handling the product.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state Liquid
Appearance Liquid
Color Clear
Odor Alcohol
Odor threshold No data available

| <u>Property</u> | <u>Values</u> | <u>Remarks • Method</u> |
|--------------------------------|-------------------|-------------------------|
| pH | No data available | None known |
| Melting point / Freezing point | No data available | None known |
| Boiling point / Boiling range | No data available | |
| Flash point | > 13 °C / 55.4 °F | CC (closed cup) |
| Evaporation rate | | None known |
| Flammability (solid, gas) | | None known |
| Upper flammability limit: | No data available | |
| Lower flammability limit: | No data available | |
| Vapor pressure | No data available | None known |
| Vapor density | No data available | None known |
| Relative density | | None known |
| Water solubility | No data available | None known |
| solubility(ies) | No data available | None known |
| Partition coefficient | No data available | None known |
| Autoignition temperature | No data available | None known |

| | | |
|----------------------------------|-------------------|------------|
| Decomposition temperature | | None known |
| Kinematic viscosity | | None known |
| Dynamic viscosity | No data available | None known |

Other information

| | |
|-----------------------------|-------------------|
| Explosive properties | No data available |
| Oxidizing properties | No data available |
| Molecular weight | No data available |
| VOC Content (%) | 92.5 |
| Density | 0.82 |
| Bulk density | No data available |

10. Stability and reactivity

| | |
|---|---|
| Reactivity | No information available. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | None under normal processing. |
| hazardous polymerization | No information available. |
| Conditions to avoid | Heat, flames and sparks. Excessive heat. |
| Incompatible materials | None known based on information supplied. |
| Hazardous decomposition products | None known based on information supplied. |

11. Toxicological information

Information on likely routes of exposure

Product Information

| | |
|---------------------|--|
| Inhalation | Specific test data for the substance or mixture is not available. Toxic by inhalation. (based on components). |
| Eye contact | Specific test data for the substance or mixture is not available. |
| Skin contact | Specific test data for the substance or mixture is not available. Toxic in contact with skin. (based on components). |
| Ingestion | Specific test data for the substance or mixture is not available. Harmful if swallowed. (based on components). |

Symptoms related to the physical, chemical and toxicological characteristics

| | |
|-----------------|---|
| Symptoms | Coughing and/ or wheezing. Difficulty in breathing. |
|-----------------|---|

Acute toxicity

Numerical measures of toxicity

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

| | |
|--------------------------------------|--------------|
| ATEmix (oral) | 710.40 mg/kg |
| ATEmix (dermal) | 750.00 mg/kg |
| ATEmix (inhalation-dust/mist) | 1.246 mg/l |
| ATEmix (inhalation-vapor) | 7.50 mg/l |

Unknown acute toxicity

- 7.5 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
- 7.5 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity

7.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapor)
 7.5 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information

| Chemical name | Oral LD50 | Dermal LD50 | Inhalation LC50 |
|---------------------|----------------------|--|--|
| Ethanol 64-17-5 | = 7060 mg/kg (Rat) | - | = 124.7 mg/L (Rat) 4 h |
| Methanol 67-56-1 | = 6200 mg/kg (Rat) | = 15800 mg/kg (Rabbit) = 15840 mg/kg (Rabbit) | = 22500 ppm (Rat) 8 h = 64000 ppm (Rat) 4 h |

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

Skin corrosion/irritation No information available.
Serious eye damage/eye irritation No information available.
Respiratory or skin sensitization No information available.
Germ cell mutagenicity No information available.
Carcinogenicity Contains a known or suspected carcinogen. Classification based on data available for ingredients. May cause cancer.

The table below indicates whether each agency has listed any ingredient as a carcinogen.

| Chemical name | ACGIH | IARC | NTP | OSHA |
|--------------------|-------|---------|-------|------|
| Ethanol 64-17-5 | A3 | Group 1 | Known | X |

Legend

ACGIH (American Conference of Governmental Industrial Hygienists)
 A3 - Animal Carcinogen
IARC (International Agency for Research on Cancer)
 Group 1 - Carcinogenic to Humans
NTP (National Toxicology Program)
 Known - Known Carcinogen
OSHA (Occupational Safety and Health Administration of the US Department of Labor)
 X - Present

Reproductive toxicity No information available.
STOT - single exposure Based on the classification criteria of the Globally Harmonized System as adopted in the country or region with which this safety data sheet complies, this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). Causes damage to organs if swallowed. Causes damage to organs in contact with skin.
STOT - repeated exposure No information available.
Target organ effects kidney, liver, Respiratory system, Eyes, Skin, Central nervous system, blood, Gastrointestinal tract (GI), Reproductive System.
Aspiration hazard No information available.
Other Adverse Effects No information available.
Interactive effects No information available.

12. Ecological information

Ecotoxicity Toxic to aquatic life. Toxic to aquatic life with long lasting effects.

| Chemical name | Algae/aquatic plants | Fish | Toxicity to microorganisms | Crustacea |
|---------------|----------------------|-------------------|----------------------------|--------------------|
| Ethanol | - | 12.0 - 16.0: 96 h | - | 9268 - 14221: 48 h |

| | | | | |
|---------------------|---|---|---|--|
| 64-17-5 | | Oncorhynchus mykiss mL/L LC50 static 100: 96 h Pimephales promelas mg/L LC50 static 13400 - 15100: 96 h Pimephales promelas mg/L LC50 flow-through | | Daphnia magna mg/L LC50 2: 48 h Daphnia magna mg/L EC50 Static 10800: 24 h Daphnia magna mg/L EC50 |
| Methanol 67-56-1 | - | 18 - 20: 96 h Oncorhynchus mykiss mL/L LC50 static 19500 - 20700: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 13500 - 17600: 96 h Lepomis macrochirus mg/L LC50 flow-through 28200: 96 h Pimephales promelas mg/L LC50 flow-through 100: 96 h Pimephales promelas mg/L LC50 static | - | - |

Persistence and Degradability No information available.

Bioaccumulation There is no data for this product.

Component Information

| Chemical name | Partition coefficient |
|---------------------|-----------------------|
| Ethanol 64-17-5 | -0.32 |
| Methanol 67-56-1 | -0.77 |

Other Adverse Effects No information available.

13. Disposal considerations

Waste Treatment Methods

Waste from residues/unused products Should not be released into the environment. Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging 12408.

US EPA Waste Number D001, U154

California Hazardous Waste Status This product contains one or more substances that are listed with the State of California as a hazardous waste.

14. Transport information

| | |
|--|-----------------------------|
| DOT | Regulated |
| UN/ID no | UN1993 |
| Proper Shipping Name | Flammable liquids, n.o.s. |
| Hazard class | 3 |
| Packing group | II |
| DOT reportable quantity - lbs | Methanol: RQ (lb)= 5000.00 |
| DOT Reportable Quantity lbs. (calculated) | Methanol: RQ (lb)= 12500.00 |
| Reportable Quantity (RQ) | Methanol: RQ kg= 2270.00 |
| DOT reportable quantity kg | Methanol: RQ (kg)= 5675.00 |

(calculated)
Special Provisions IB2, T7, TP1, TP8, TP28
DOT Marine Pollutant Np
Description UN1993, Flammable liquids, n.o.s. (Ethanol, Methanol), 3, II
Emergency Response Guide Number 128

IATA Regulated
UN number UN1993
Proper Shipping Name Flammable liquid, n.o.s.
Transport hazard class(es) 3
Packing group II
Special Provisions A104, A113
Description UN1993, Flammable liquid, n.o.s. (Ethanol, Methanol), 3, II

IMDG Regulated
UN/ID no UN1993
Proper Shipping Name Flammable liquid, n.o.s.
Transport hazard class(es) 3
Packing group II
EmS-No F-E, S-E
Special Provisions 274
Marine pollutant P
Marine pollutant Ethanol
Description UN1993, Flammable liquid, n.o.s. (Ethanol, Methanol), 3, II, (13°C c.c.), Marine Pollutant

15. Regulatory information

International Inventories

TSCA Complies.

DSL/NDSL Complies.
EINECS/ELINCS Complies.
ENCS Complies.
IECSC Complies.
KECL Complies.
PICCS Complies.
AICS Complies.
NZIoC Not Determined.
TCSI Not Determined.

Legend:

- TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory
- DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List
- EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
- ENCS** - Japan Existing and New Chemical Substances
- IECSC** - China Inventory of Existing Chemical Substances
- KECL** - Korean Existing and Evaluated Chemical Substances
- PICCS** - Philippines Inventory of Chemicals and Chemical Substances
- AICS** - Australian Inventory of Chemical Substances
- NZIoC** - New Zealand Inventory of Chemicals
- TCSI** - Taiwan Chemical Substance Inventory

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

| | |
|---------------|-------------------------------|
| Chemical name | SARA 313 - Threshold Values % |
|---------------|-------------------------------|

| | |
|--------------------|-----|
| Methanol - 67-56-1 | 1.0 |
|--------------------|-----|

SARA 311/312 Hazard Categories

Should this product meet EPCRA 311/312 Tier reporting criteria at 40 CFR 370, refer to Section 2 of this SDS for appropriate classifications.

CWA (Clean Water Act)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302).

| Chemical name | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|---------------------|--------------------------|------------------------------------|
| Methanol 67-56-1 | 5000 lb | - |

US State Regulations

California Proposition 65

This product contains the following Proposition 65 chemicals:.

| Chemical name | California Proposition 65 |
|--------------------|-----------------------------|
| Ethanol - 64-17-5 | Carcinogen Developmental |
| Methanol - 67-56-1 | Developmental |

U.S. State Right-to-Know Regulations

| Chemical name | New Jersey | Massachusetts | Pennsylvania |
|---------------------|------------|---------------|--------------|
| Ethanol 64-17-5 | X | X | X |
| Methanol 67-56-1 | X | X | X |

U.S. EPA Label information

EPA Pesticide registration number Not applicable

16. Other information

| | | | | |
|-----------------------------------|----------------------------------|----------------|--------------------|------------------------------------|
| NFPA | Health hazards 3 | Flammability 3 | Instability 0 | Physical and chemical properties - |
| HMIS | Health hazards 3* | Flammability 3 | Physical hazards 0 | Personal protection - |
| <i>Chronic Hazard Star Legend</i> | <i>* = Chronic Health Hazard</i> | | | |

Key or legend to abbreviations and acronyms used in the safety data sheet

Legend SECTION 8: Exposure controls/personal protection

| | | | |
|---------|-----------------------------|------|----------------------------------|
| TWA | TWA (time-weighted average) | STEL | STEL (Short Term Exposure Limit) |
| Ceiling | Maximum limit value | * | Skin designation |

Key literature references and sources for data used to compile the SDS

- Agency for Toxic Substances and Disease Registry (ATSDR)
- U.S. Environmental Protection Agency ChemView Database
- European Food Safety Authority (EFSA)
- EPA (Environmental Protection Agency)
- Acute Exposure Guideline Level(s) (AEGl(s))
- U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
- U.S. Environmental Protection Agency High Production Volume Chemicals

Food Research Journal
Hazardous Substance Database
International Uniform Chemical Information Database (IUCLID)
Japan GHS Classification
Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
NIOSH (National Institute for Occupational Safety and Health)
National Library of Medicine's ChemID Plus (NLM CIP)
National Library of Medicine's PubMed database (NLM PUBMED)
National Toxicology Program (NTP)
New Zealand's Chemical Classification and Information Database (CCID)
Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
Organization for Economic Co-operation and Development High Production Volume Chemicals Program
Organization for Economic Co-operation and Development Screening Information Data Set
World Health Organization

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Revision note No information available.

Disclaimer

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.



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