SAFETY DATA SHEET

1. Identification

Product Name: Quick Cut 3

Product Code: B1595

SDS Date: 6/5/2015

Use: Industrial

Chemisphere Corporation
2101 Clifton Ave
St. Louis, MO 63139

General Information: 314-644-1300
CHEMTREC: 800-424-9300

2. Hazard(s) identification

GHSClassification

Flammable liquids (Category 3) H226, Acute toxicity Oral (Category 4) H302, Acute toxicity Inhalation (Category 4) H332, Serious eye damage (Category 1) H318, Skin corrosion (Category 1A) H314, Reproductive toxicity (Category 2) H361, Specific target organ toxicity - repeated exposure (Category 2) H373

Pictogram Flammable, Exclamation Mark, Corrosive, Health Hazard

Signalword Danger

HazardStatement

Flammable liquid and vapor. Harmful if swallowed. Harmful if inhaled. Causes serious eye damage. Causes severe skin burns and eye damage. Suspected of damaging fertility or the unborn child. May cause damage to organs through prolonged or repeated exposure.

Precautionary

Do not breathe mist/vapors/spray. Do not eat, drink or smoke when using this product. Do not handle until all safety precautions have been read and understood. Ground/bond container and receiving equipment. Keep away from heat/sparks/open flames/hot surfaces-no smoking. Keep container tightly closed. Obtain special instructions before use. Take precautionary measure against static discharge. Use only non-sparking tools. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If inhaled: Remove person to fresh air and keep comfortable for breathing. If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower. If swallowed: Immediately call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. In case of fire: Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide to extinguish. Wash contaminated clothing before reuse. Store in a well-ventilated place. Keep cool. Store locked up. Dispose of contents/container in accordance with local/regional/national/international regulations.

Hazards not otherwise classified: Not available

3. Composition/information on ingredients

Name	CAS	Concentration
Toluene	108-88-3	1-20
Benzyl Alcohol	100-51-6	50-90
Polyoxyethylene mono(octylphe	9002-93-1	1-10
Formic Acid	64-18-6	10-50

4. First-aid measures

General Advice	Move out of dangerous area.Consult a physician. Show this safety data sheet to the doctor in attendance.
If Inhaled	If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In Case of Skin Contact	Wash off with soap and plenty of water. Consult a physician.
In Case of Eye Contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If Swallowed	Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Most important symptoms and effects, both acute and delayed

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11

Indications of any immediate medical attention and special treatment needed

No data available

5. Fire-fighting measures

Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Special Hazards	Carbon oxides
Advice for firefighters	Wear self-contained breathing apparatus for firefighting if necessary.
Further Information	No data available

6. Accidental release measures

Personal precautions, protective equipment, and emergency procedures

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation.

Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Methods and materials for containment and cleaning up

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

7. Handling and storage

Safe Handling	Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.
Safe Storage	Keep container tightly closed in a dry and well-ventilated place.

8. Exposure controls/personal protection

Engineering Control	Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.
Eye/Face Protection	Face shield and safety glasses Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).
Skin Protection	Handle with butyl rubber gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Body Protection	Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.
Respiratory Protection	Where risk assessment shows air-purifying respirators are appropriate use a full-face respirator with multipurpose combination (US) or type AXBEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of Environmental Exposure

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

Safe Storage	Keep container tightly closed in a dry and well-ventilated place.

9. Physical and chemical properties

Appearance	Benzyl Alcohol	Liquid
Odor	Benzyl Alcohol	Aromatic
Odor Threshold	Benzyl Alcohol	No data available
pH	Benzyl Alcohol	No data available
Melting/Freezing Point	Benzyl Alcohol	-14.99 °C (5.02 °F)
Initial Boiling Point/Range	Benzyl Alcohol	90 - 93 °C (194 - 199 °F) at 13 hPa (10 mmHg) 205 °C (401 °F) at 1,013 hPa (760 mmHg)
Flash Point	Benzyl Alcohol	96 °C (205 °F) - closed cup
Evaporation Rate	Benzyl Alcohol	No data available
Flammability	Benzyl Alcohol	No data available
Upper Explosion Limit	Benzyl Alcohol	13%
Lower Explosion Limit	Benzyl Alcohol	1.3%
Vapor Pressure	Benzyl Alcohol	5.00 hPa (3.75 mmHg) at 77 °C (171 °F) 17.7 hPa (13.3 mmHg) at 100 °C (212 °F) 0.125 hPa (0.094 mmHg) at 25 °C (77 °F)
Vapor Density	Benzyl Alcohol	3.73 - (Air = 1.0)
Relative Density	Benzyl Alcohol	1.044 g/cm3
Water Solubility	Benzyl Alcohol	33 g/l at 20 °C (68 °F)
Partition Coefficient	Benzyl Alcohol	log Pow: 1.1log Pow: 1.05 at 20 °C (68 °F)
Auto Ignition Temperature	Benzyl Alcohol	No data available
Decomposition Temperature	Benzyl Alcohol	No data available
Viscosity	Benzyl Alcohol	No data available

10. Stability and reactivity

Reactivity No data available

Chemical Stability Stable under recommended storage conditions.

Possibility of Hazardous Reactions No data available

Conditions to Avoid No data available

Incompatible materials Strong oxidizing agents

Hazardous Decomposition Products No data available

11. Toxicological information

Name	CAS
Toluene	108-88-3

LD50 Oral - Rat - > 5,580 mg/kg

LC50 Inhalation - Rat - 4 h - 12,500 - 28,800 mg/m3

LD50 Dermal - Rabbit - 12,196 mg/kg

Skin corrosion/irritation Result: Skin irritation - 24 h

Serious eye damage/eye irritation Result: No eye irritation

Respiratory or skin sensitization No data available

Germ cell mutagenicity Rat - Liver, DNA damage

Carcinogenicity IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Toluene)

Reproductive Experiments have shown reproductive toxicity effects in male and female laboratory animals.

Additional information Lung irritation, chest pain, pulmonary edema, Inhalation studies on toluene have demonstrated the development of
inflammatory and ulcerous lesions of the penis, prepuce, and scrotum in animals., Central nervous system

Name	CAS
Benzyl Alcohol	100-51-6

LD50 Oral - Rat - 1,230 mg/kg, LD50 Oral - Rat - male - 1,620 mg/kg

No data available

No data available

Skin corrosion/irritation Result: No skin irritation - 24 h

Serious eye damage/eye irritation Result: Eye irritation - 24 h

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA

Reproductive No data available

Additional information Central nervous system depression

Name	CAS
Polyoxyethylene mono(oc	9002-93-1

LD50 Oral - Rat - 1,800 mg/kg

No data available

LD50 Dermal - Rabbit - 8,000 mg/kg

Skin corrosion/irritation No data available

Serious eye damage/eye irritation Result: Moderate eye irritation - 24 h

Respiratory or skin sensitization No data available

Germ cell mutagenicity No data available

Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA

Reproductive No data available

Additional information No data available

Name	CAS
Formic Acid	64-18-6

LD50 Oral - Rat - 730 mg/kg

LC50 Inhalation - Rat - 4 h - 7.4 mg/l

Dermal: No data available

Skin corrosion/irritation Result: Severe skin irritation

Serious eye damage/eye irritation Result: Severe eye irritation

Respiratory or skin sensitization Prolonged or repeated exposure may cause allergic reactions in certain sensitive individuals.

Germ cell mutagenicity No data available

Carcinogenicity Not identified as probable, possible or confirmed human carcinogen by IARC, NTP, or OSHA

Reproductive No data available

Additional information Material is extremely destructive to tissue of the mucous membranes and upper respiratory tract, eyes, and skin.,
spasm, inflammation and edema of the larynx, spasm, inflammation and edema of the bronchi, pneumonitis, pulmonary
edema, burning sensation, Cough, wheezing, laryngitis, Shortness of breath, Headache, Nausea, Vomiting

12. Ecological information

Name	CAS	Toxicity
Toluene	108-88-3	LC50 - Oncorhynchus mykiss (rainbow trout) - 7.63 mg/l - 96 h, NOEC - Pimephales promelas (fathead minnow) - 5.44 mg/l - 7 d, EC50 - Daphnia magna (Water flea) - 8.00 mg/l - 24 h, Immobilization EC50 - Daphnia magna (Water flea) - 6 mg/l - 48 h, EC50 - Chlorella vulgaris (Fresh water algae) - 245.00 mg/l - 24 h, EC50 - Pseudokirchneriella subcapitata (green algae) - 10.00 mg/l - 24 h
Benzyl Alcohol	100-51-6	LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h, LC50 - Pimephales promelas (fathead minnow) - 460 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h, Daphnia magna (Water flea) - 230 mg/l - 48 h

Polyoxyethylene mono(octylp	9002-93-1	LC50 - Pimephales promelas (fathead minnow) - 8.9 mg/l - 96.0 h, EC50 - Daphnia (water flea) - 26 mg/l - 48 h
Formic Acid	64-18-6	LC50 - Leuciscus idus (Golden orfe) - 46 - 100 mg/l - 96 h, EC50 - Daphnia magna (Water flea) - 34.2 mg/l - 48 h, Pseudomonas putida - 46.7 mg/l - 17 h

13. Disposal considerations

Dispose of contents/container in accordance with local/regional/national/international regulations.

14. Transport information

Proper Shipping Name	Corrosive Liquid, Acidic, Organic, n.o.s., 8, PG II (Formic Acid)
Hazard Class	8
Identification Number	UN3265
Packing Group	II
Label	Corrosive

15. Regulatory information

Name	CAS
Toluene	108-88-3
SARA 302/304	No components were identified
SARA 313	313
CERCLA	RQ=1,000 lbs
SARA 311/312	Fire Hazard, Acute Health Hazard, Chronic Health Hazard
PROP 65	Developmental Hazard

Name	CAS
Benzyl Alcohol	100-51-6
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Acute Health Hazard, Chronic Health Hazard
PROP 65	No components were identified

Name	CAS
Polyoxyethylene mono(octylphenyl)ether	9002-93-1
SARA 302/304	No components were identified
SARA 313	No components were identified
CERCLA	No components were identified
SARA 311/312	Acute Health Hazard
PROP 65	No components were identified

Name	CAS
Formic Acid	64-18-6
SARA 302/304	
SARA 313	313
CERCLA	RQ=5,000 lbs
SARA 311/312	
PROP 65	

16. Other information, including date of preparation or last revision

SDS Date: 6/5/2015

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