## SAFETY DATA SHEET



	1. Identi	fication	
Product identifier	XTREME CUT 251C		
Other means of identification	None.		
Recommended use	Cutting and Grinding Fluid		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier	/Distributor information		
Manufacturer			
Manufacturer Name	QualiChem, Inc.		
Address	PO Box 926		
	Salem, VA USA		
Telephone	+1-540-375-6700		
Email	customerservice@qualichem.cc	im .	
Website	www.qualichem.com		
Emergency Phone Number		/ (spill, leak, fire, exposure, or accident), 24 hour ntel at +1-800-255-3924 (US, Canada);	
	2. Hazard(s) i	dentification	
Physical hazards	Not classified.		
Health hazards	Reproductive toxicity	Effects on or via lactation	
Label elements			
Hazard symbol	None.		
Signal word	None.		
Hazard statement	May cause harm to breast-fed c	hildren.	
Precautionary statement			
Prevention	Obtain special instructions before use. Avoid contact during pregnancy/while nursing. Wash thoroughly after handling. Do not eat, drink or smoke when using this product.		
Response	If exposed or concerned: Get medical advice/attention.		
Storage	Store away from incompatible materials.		
Disposal	Dispose of contents/container in	accordance with local/regional/national/international regulations.	
Hazard(s) not otherwise classified (HNOC)	None known.		
Supplemental information	None.		
	3. Composition/inform	nation on ingredients	
Mixtures			
Chemical name	Common name and syno	nyms CAS number %	

Chemical name	Common name and synonyms	CAS number	%
Distillates, (petroleum), hydrotreated heavy naphthenic		64742-52-5	40 - 60
Alkanes, C14-16, chloro		63449-39-8	5 - 10
2-(2-Aminoethoxy)ethanol		929-06-6	1 - 5
Amine neutralized carboxylic acid		Not Available	1 - 5
3-lodo-2-propynyl butylcarbamate		55406-53-6	0.1 - 1
Propylene glycol		57-55-6	0.1 - 1
Other components below reportable	levels		40 - 60

	4. First-aid measures
Inhalation	Move to fresh air. Call a physician if symptoms develop or persist.
Skin contact	Wash off with soap and water. Get medical attention if irritation develops and persists.
Eye contact	Rinse with water. Get medical attention if irritation develops and persists.
Ingestion	Rinse mouth. Get medical attention if symptoms occur.
Most important symptoms/effects, acute and delayed	Direct contact with eyes may cause temporary irritation.
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. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
	5. Fire-fighting measures
Suitable extinguishing media	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).
Unsuitable extinguishing media	Do not use water jet as an extinguisher, as this will spread the fire.
Specific hazards arising from the chemical	During fire, gases hazardous to health may be formed.
Special protective equipment and precautions for firefighters	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
Fire fighting equipment/instructions	Move containers from fire area if you can do so without risk.
Specific methods	Use standard firefighting procedures and consider the hazards of other involved materials.
General fire hazards	No unusual fire or explosion hazards noted.
	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 mist or vapor. Ensure adequate ventilation. 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	This product is miscible in water. Prevent entry into waterways, sewer, basements or confined areas.
	Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. 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.
	Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.
	Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS
Environmental precautions	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.
	7. Handling and storage
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Do not breathe mist or vapor. Avoid prolonged exposure. Pregnant or breastfeeding women must not handle this product. Should be handled in closed systems, if possible. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
Conditions for safe storage,	Store locked up. Store in original tightly closed container. Store away from incompatible materials

	8. Exposure controls/persor	nal protection		
Occupational exposure limits				
	s for Air Contaminants (29 CFR 1910.1000	-	Form	
Components	Туре	Value	Form	
Distillates, (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	PEL	5 mg/m3	Mist.	
		2000 mg/m3 500 ppm		
US. ACGIH Threshold Lim	it Values			
Components	Туре	Value	Form	
Distillates, (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	TWA	5 mg/m3	Inhalable fraction.	
US. NIOSH: Pocket Guide	to Chemical Hazards			
Components	Туре	Value	Form	
Distillates, (petroleum), hydrotreated heavy naphthenic (CAS 64742-52-5)	Ceiling	1800 mg/m3		
04742 02 0)	STEL	10 mg/m3	Mist.	
	TWA	5 mg/m3	Mist.	
US. Workplace Environme	ntal Exposure Level (WEEL) Guides			
Components	Туре	Value	Form	
Propylene glycol (CAS 57-55-6)	TWA	10 mg/m3	Aerosol.	
Biological limit values	No biological exposure limits noted for th	•		
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.			
ndividual protection measures	s, such as personal protective equipment			
Eye/face protection	Wear safety glasses with side shields (or	goggles).		
Skin protection				
Hand protection	Wear protective gloves.			
Other	Wear suitable protective clothing.			
Respiratory protection	When workers are facing concentrations certified respirators.	When workers are facing concentrations above the exposure limit they must use appropriate		
General hygiene considerations	When using, do not eat, drink or smoke. as washing after handling the material ar wash work clothing and protective equipr	nd before eating, drinking, a	and/or smoking. Routinely	
	9. Physical and chemical	properties		

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Appearance	
Physical state	Liquid.
Form	Clear Liquid.
Color	Light amber
Odor	Trace hydrocarbon
Odor threshold	Not available.
рН	9.0 - 10.0
Melting point/freezing point	< 40 °F (< 4.4 °C) estimated
Initial boiling point and boiling range	> 212 °F (> 100 °C) estimated

Flash point	> 325 °F (> 162.8 °C) Cleveland Open Cup
Evaporation rate	Not available.
Flammability (solid, gas)	Not applicable.
Upper/lower flammability or expl	losive limits
Flammability limit - lower (%)	Not available.
Flammability limit - upper (%)	Not available.
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	< 1.0 mm Hg estimated
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Complete
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not available.
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	0.98 g/cm3 8.19 lb/gal
Explosive properties	Not explosive.
Flammability class	Combustible IIIB estimated
Oxidizing properties	Not oxidizing.
Percent volatile	> 10 % estimated
pH in aqueous solution	8.8 - 9.2 (5% Emulsion)
Specific gravity	0.97
	10. Stability and reactivity
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	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.
	11. Toxicological information
Information on likely routes of ex	
Inhalation	No adverse effects due to inhalation are expected.
Skin contact	No adverse effects due to skin contact are expected.
Eye contact	Direct contact with eyes may cause temporary irritation.
	Expected to be a low ingestion hazard.
Ingestion	Direct contact with eyes may cause temporary irritation.
Ingestion Symptoms related to the physical, chemical and toxicological characteristics	
Symptoms related to the physical, chemical and	
Symptoms related to the physical, chemical and toxicological characteristics	

Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	1
<b>Respiratory sensitization</b>	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	This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.
Not available. OSHA Specifically Regulate	Evaluation of Carcinogenicity d Substances (29 CFR 1910.1001-1050)
Not listed. US. National Toxicology Pro Not available.	ogram (NTP) Report on Carcinogens
Reproductive toxicity	May cause harm to breastfed babies.
Specific target organ toxicity - single exposure	Not classified.
Specific target organ toxicity - repeated exposure	Not classified.
Aspiration hazard	Not an aspiration hazard.
Chronic effects	No known significant effects or critical hazards.
	12. Ecological information
Ecotoxicity	Toxic to aquatic life with long lasting effects.
Persistence and degradability	No data is available on the degradability of this product.
Bioaccumulative potential	
Partition coefficient n-octan Propylene glycol	ol / water (log Kow) -0.92
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.
	13. Disposal considerations
Disposal instructions	Collect and reclaim or dispose in sealed containers at licensed waste disposal site. 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.
	14. Transport information
DOT	·

Not regulated as dangerous goods.

## IATA

Not regulated as dangerous goods.

## IMDG

UN number UN proper shipping name UN3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Alkanes, C14-16, chloro), MARINE POLLUTANT

Transport beyond close (ac)	
Transport hazard class(es) Class	9
Subsidiary risk	-
Packing group	III
Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
	Read safety instructions, SDS and emergency procedures before handling.
Transport in bulk according to Annex II of MARPOL 73/78 and	Not established.
the IBC Code	
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not regulated as dangerous goods.
IMDG	
Marine pollutant	
$\wedge$	
General information	IMDG Regulated Marine Pollutant.
	15. Regulatory information
US federal regulations	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA Hazardous Substan Not listed.	nce List (40 CFR 302.4)
SARA 304 Emergency releas	e notification
Not regulated.	Substances (29 CFR 1910.1001-1050)
Superfund Amendments and Rea	authorization Act of 1986 (SARA)
Hazard categories	Immediate Hazard - No Delayed Hazard - Yes Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
SARA 302 Extremely hazardo Not listed.	ous substance
SARA 311/312 Hazardous chemical	No
Material name: XTREME CUT 251C	

SARA 313 (TRI reporting)				
Chemical name		CAS number	% by wt.	
3-lodo-2-propynyl butyl	carbamate	55406-53-6	0.1 - 1	
Other federal regulations				
Clean Air Act (CAA) Section	on 112 Hazardous Air Po	llutants (HAPs) List		
Not regulated. Clean Air Act (CAA) Section	on 112(r) Accidental Rele	ease Prevention (40 CFR	68.130)	
Not regulated. Safe Drinking Water Act (SDWA)	Not regulated.			
US state regulations				
-	3ubstances. CA Departm	nent of Justice (Californi	a Health and Safety Code Section 111	1 <b>00)</b>
	Chemicals List. Safer Co	onsumer Products Regul	ations (Cal. Code Regs, tit. 22, 69502.	.3, subd.
Alkanes, C14-16, chloro US. Massachusetts RTK -	,			
2-(2-Aminoethoxy)ethar US. New Jersey Worker ar	· · · · · · · · · · · · · · · · · · ·	(now Act		
2-(2-Aminoethoxy)ethar 3-lodo-2-propynyl butyl Propylene glycol (CAS <b>US. Pennsylvania Worker</b>	carbamate (CAS 55406-53 57-55-6)			
Propylene glycol (CAS US. Rhode Island RTK				
3-lodo-2-propynyl butyl	carbamate (CAS 55406-53	3-6)		
US. California Proposition WARNING: This produc reproductive harm.		wn to the State of Californ	ia to cause cancer and birth defects or o	other
International Inventories				
Country(s) or region Canada	Inventory name Domestic Substances	List (DSL)	On inventor	<b>y (yes/no)</b> * Yes
China		Chemical Substances in Cl	nina (IECSC)	Yes
Europe		Existing Commercial Che		Yes
Korea	Existing Chemicals Lis	st (ECL)		Yes
Philippines	Philippine Inventory of (PICCS)	Chemicals and Chemical	Substances	Yes
United States & Puerto Rico	Toxic Substances Cor	ntrol Act (TSCA) Inventory		Yes
			ents administered by the governing country(s n listing on the inventory administered by the	
16. Oth	er information, inclu	uding date of prepar	ation or last revision	
Issue date	01-12-2016			
Revision date	01-12-2016			
Version #	02			
Disclaimer	the products of other r responsibility to ensure assume liability for los	nanufacturers in combinat e safe conditions for hand s, injury, damage or exper	under which this information and its pro ion with its product, may be used. It is t ling, storage and disposal of the product nse due to improper use. The informatio and experience currently available.	he user's t, and to
Revision information	Composition/information Handling and storage:		nent information Iling	

HazReg Data: International Inventories

SARA 313 (TRI reporting)