Safety Data Sheet: CONQUEST

Supercedes Date 07/21/2009 **Issuing Date** 01/16/2013

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name CONQUEST
Recommended use Solvent-borne coatings
Information on Manufacturer
CHEMSEARCH DIV. OF NCH CORP.

BOX 152170
IRVING, TX 75015

Product Code 0638
Chemical nature Solvent blend
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
972-579-2477

2. HAZARD IDENTIFICATION

Color Off-white - Light brown **Physical State** Liquid **Odor** solvent

GHS Classification

Physical Hazards
None

Health Hazard

Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2B

Other hazards
None

Labeling
Signal Word
WARNING

Hazard Statements
H315 - Causes skin irritation
H320 - Causes eye irritation

Precautionary Statements
P280 - Wear protective gloves/protective clothing/eye protection/face protection
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P302+ P352 - IF ON SKIN: Wash with plenty of soap and water
P332 + P313 - If skin irritation occurs: Get medical advice/attention.
P362 - Take off contaminated clothing and wash before reuse
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists: Get medical advice/attention.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Vinyl acrylic polymer	25067-01-0	30-60
Tannic acid	1401-55-4	3-7
Silica, amorphous, precipitated and gel	112926-00-8	1-5
Dipropylene glycol mono methyl ether	34590-94-8	1-5

4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.
Skin Contact Wash off immediately with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Get medical attention if irritation develops and persists. Wash contaminated clothing before re-use.
Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur.
Ingestion Drink 1 or 2 glasses of water. Do NOT induce vomiting. Get medical attention if symptoms occur.

Notes to physician Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point > 201 °F / > 94 °C **Method** Seta closed cup
Flammability Limits in Air % No information available. **Upper** No data available **Lower** No data available
Suitable Extinguishing Media
Foam. Alcohol-resistant foam. Carbon dioxide (CO2). Dry chemical. Water spray. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
Specific hazards arising from the chemical
Material can create slippery conditions. Dried polymer films are capable of burning.
Protective Equipment and Precautions for Firefighters
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

NFPA	**Health** 2	**Flammability** 1	**Instability** 0
HMIS	**Health** 2	**Flammability** 1	**Instability** 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Ensure adequate ventilation. Prevent further leakage or spillage if safe to do so.
Environmental Precautions Do not flush into surface water or sanitary sewer system.
Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).
Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)
Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists.
Storage Store in original container. Keep containers tightly closed in a dry, cool and well-ventilated place. Freezing will affect the physical condition but will not damage the material. Thaw and mix before using.

Storage Temperature	**Minimum**	35 °F / 2 °C		**Maximum**	120 °F / 49 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Vinyl acrylic polymer	No data available	No data available	No data available
Tannic acid	No data available	No data available	No data available
Silica, amorphous, precipitated and gel	3 mg/m^3 PNOS	5 mg/m^3 PNOR	No data available
Dipropylene glycol mono methyl ether	TWA: 100 ppm Skin STEL: 150 ppm	TWA: 100 ppm TWA: 600 mg/m^3 Skin	IDLH: 600 ppm STEL 150 ppm STEL 900 mg/m^3 TWA: 100 ppm TWA: 600 mg/m^3

Engineering Measures Ensure adequate ventilation, especially in confined areas.
Personal Protective Equipment
Eye/Face Protection Safety glasses with side-shields.
Skin Protection Wear suitable protective clothing, Impervious gloves.
Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.
General Hygiene Considerations Ensure that eyewash stations and safety showers are close to the workstation location. Remove and wash contaminated clothing before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid	**Viscosity**	Semi-viscous
Color	Off-white - Light brown	**Odor**	solvent
Odor Threshold	Not applicable	**Appearance**	Textured black paste
pH	1.3	**Specific Gravity**	1.229
Bulk Density (lb/cu ft)	10.25	**Evaporation Rate**	1.07 (Butyl acetate=1)
Percent Volatile (Volume)	62.2	**VOC Content (%)**	1.5
VOC Content (g/L)	18	**Vapor Pressure**	13.95 mmHg @ 70°F
Vapor Density	1.1	**Solubility**	Soluble

n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	180 °F / 82 °C
Flammability (solid, gas)	No data available		
Flash Point	> 201 °F / > 94 °C	**Method**	Seta closed cup
Autoignition Temperature	No information available.		
Flammability Limits in Air %	No information available.	**Upper** No data available **Lower** No data available	

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under normal conditions
Conditions to Avoid	None known
Incompatible Products	Strong oxidizing agents, Reducing agents, Bases, Hydrogen fluoride.
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides (NOx), Ammonia, Chlorine, Hydrogen chloride gas, Carbonyl halides.
Possibility of Hazardous Reactions	None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50	No information available
Dermal LD50	No information available
Inhalation LC50	
Gas	No information available
Mist	No information available
Vapor	No information available
Principle Route of Exposure	Skin contact, Eye contact.
Primary Routes of Entry	Inhalation, Skin Absorption.
Acute Effects	
Eyes	Causes eye irritation.
Skin	Causes skin irritation. May be absorbed through the skin in harmful amounts.
Inhalation	Causes respiratory tract irritation. Inhalation may cause central nervous system effects. May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness.
Ingestion	Ingestion may cause irritation to mucous membranes.
Chronic Toxicity	Liver and kidney injuries may occur.
Target Organ Effects	Central nervous system, Respiratory system, Liver, Kidney, Heart.
Aggravated Medical Conditions	Neurological disorders, Respiratory system, Liver disorders, Kidney disorders, Heart disease, Skin disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	no data available
Tannic acid	= 2260 mg/kg (Rat)	no data available	no data available	no data available	no data available
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	no data available
Dipropylene glycol mono methyl ether	= 5230 mg/kg (Rat)	= 9500 mg/kg (Rabbit)	no data available	no data available	no data available

Chronic Toxicity

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	no data available
Tannic acid	no data available	no data available	no data available	no data available	liver, kidney
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	no data available
Dipropylene glycol mono methyl ether	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, heart, liver, lung

Carcinogenicity There are no known carcinogenic chemicals in this product.

Component	ACGIH	IARC	NTP	OSHA	Other
Vinyl acrylic polymer	not applicable	not applicable	not applicable	not applicable	not applicable
Tannic acid	not applicable	not applicable	not applicable	not applicable	not applicable
Silica, amorphous, precipitated and gel	not applicable	not applicable	not applicable	not applicable	not applicable
Dipropylene glycol mono methyl ether	not applicable	not applicable	not applicable	not applicable	not applicable

12. ECOLOGICAL INFORMATION

Product Information No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Vinyl acrylic polymer	no data available	no data available	no data available	no data available	N/A
Tannic acid	no data available	LC50 = 37 mg/L Gambusia affinis 96 h	no data available	no data available	N/A
Silica, amorphous, precipitated and gel	no data available	no data available	no data available	no data available	N/A
Dipropylene glycol mono methyl ether	no data available	LC50 > 10000 mg/L Pimephales promelas 96 h	no data available	LC50= 1919 mg/L 48 h	-0.064

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with local regulations.
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

ICAO Not regulated

IATA Not regulated

IMDG/IMO Not regulated

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies

U.S. Federal Regulations

SARA 313
Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and and Title 40 of the Code of Federal Regulations, Part 372.

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Dipropylene glycol mono methyl ether	34590-94-8	1-5	1.0

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	No	No	No

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Vinyl acrylic polymer	Not applicable	Not applicable
Tannic acid	Not applicable	Not applicable
Silica, amorphous, precipitated and gel	Not applicable	Not applicable
Dipropylene glycol mono methyl ether	Not applicable	Not applicable

Canada

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR.

WHMIS Hazard Class
D2B Toxic materials

16. OTHER INFORMATION

Prepared By	Rachael Mohochi
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Reason for Revision	No information available.
Glossary	No information available.
List of References.	No information available.

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