

# M A T E R I A L   S A F E T Y   D A T A   S H E E T

## VDS TRI CHLOR

PRODUCED BY : S & S COMPANY OF GA., INC.

SOLD BY: Polymer Concepts, Inc.  
705 Hembree Place, Suite A  
Roswell, GA 30074

This MSDS sheet is provided to you pursuant to 29 CFR, 1910.1200, the "OSHA Hazard Communication Standard".

This Data Sheet contains confidential product information as well as information regarding personal safety, emergency response for spills of this product, and other environmental information.

This information is for use in your facility for the intended purpose only, and is not for release to individuals outside of your facility, or to other suppliers for product comparison with out our express written consent.

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### SECTION I: PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

Product Name: VDS TRI CHLOR CAS # : 79-01-6  
Chemical Name: Stabilized Trichloroethylene, 99.4%  
Chemical Family: Chlorinated Solvents NFPA : H-2 /F-1 /R-0 /OTHER-N/A  
Formula: mixture  
D.O.T. Shipping Name : Trichloroethylene, 6.1  
Hazard Classification: Pg-III, Poison U.N. Number: UN-1710  
Emergency Telephone Numbers: S & S Company of Georgia, Inc. (229) 435-8394

### SECTION II. PHYSICAL / ENVIRONMENTAL DATA

#### PHYSICAL DATA :

Boiling Point @ 760mm Hg: 189 'F	Freezing Point ----- : N/D 'F
Specific Gravity (H2O=1): 1.46	Water Solubility ---- : 0.1%, Insol
Vapor Pressure @ 20 C. : 60 mmhg	Vapor Density, (Air=1) : 4.53
Volatiles - % by Volume : 100%	Evaporation Rate : (Butyl Acetate =1)
pH : N/A	
Appearance / Odor : Clear Colorless Liq./Characteristic Odor	

#### ENVIRONMENTAL DATA :

SARA Reportability ----- : NON	WHMIS Percentage : D1B,2A,2B
Report as cas # : /A	Subpart Z Status : Yes
Reportable % : N/A	Clean Air Act : Yes
Sect. 313 Reportability : YES	TSCA LISTED : Y
Report as cas # : 79-01-6	Carcinogenity : OSHA : No
Reportable % : 99.4%	NTP : Yes , IARC : Yes
RCRA Waste # : D040	RCRA Reportable Qty. : 100#

### SECTION III: HAZARDOUS INGREDIENTS

TRICHLOROETHYLENE, STABILIZED

\*\* ACTIVE PERCENT IN FORMULA: 100 \*\*

SYNONYM: Stabilized Trichloroethylene, 99.4%

LD50 = 4920 mg/kg  
TLV = 50 ppm  
STEL = 100 ppm  
IDLH = n/d  
CAS# = 79-01-6  
Hazard: = ALL ROUTES

ACGIH = 50 ppm  
PEL = n/d  
NIOSH = N/A  
RTECS = N/A  
TSCA = Y

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#### SECTION IV: FIRE & EXPLOSION HAZARDS

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\*\* Flashpoint: NON FLAMM.

\* Flammable Limits by Air: 8% - 44.8%

\* FIRE EXTINGUISHING METHOD:

CO2, (Carbon Dioxide), For Smaller Fires.

Dry Chemical, For Smaller Fires.

Water Spray

\*\* FIRE FIGHTING PROTECTION:

Run-Off May Contain Hazardous Materials And Should Be  
Controlled If Necessary.

Wear Bunker Gear

Evacuate Down Wind

Full Protective Clothing Should Be Worn

Wear SCBA (Self Contained Breathing Apparatus)

\*\* FIRE AND EXPLOSION HAZARDS:

Toxic Smoke And Fumes May Be Produced.

Violent Rupture Of Containers Due To Heat Is Possible.

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#### SECTION V: REACTIVITY DATA

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\*\* STABILITY: Stable

\*\* Conditions To Avoid:

Contamination From Outside Sources May Affect The  
Performance Of This Product.

Mixing With Agents Listed Here May Cause An Unsafe  
Reaction Or Give Off Toxic Gasses.

Do Not Mix With Acids.

Keep Away From Fire, Open Flame, Or Any Heat Source.

Do Not Mix With Strong Oxidizers, Nitrites, Or Peroxides

\* BYPRODUCTS OF DECOMPOSITION:

May liberate hydrochloric acid or phosgene.

\*\* HAZARDOUS POLYMERIZATION: Will Not Occur.

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#### SECTION VI.: SPILL OR LEAK PROCEDURES:

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CONSULT SECTION VII FOR PROPER SAFETY EQUIPMENT

PERSONAL PROTECTION LEVELS MAY HAVE TO BE INCREASED ACCORDING  
TO THE SIZE OF THE SPILL AND THE HAZARDS INVOLVED.

DIKE SPILL AND PROTECT SEWER AND WATER INTAKES UNTIL YOU ARE SURE  
OF THE TOTAL CONTENTS OF THE SPILL AS PER 40 CFR

VENTILATE AREA, MONITOR AIR FOR ACCUMULATION OF HAZARDOUS VAPORS  
AS PER 29 CFR 1910.120

NOTIFY ALL PROPER AUTHORITIES IF REQUIRED

FOLLOW ENVIRONMENTAL REGULATIONS

For Small Spills Absorb With Compatible Absorbent. Recover  
And Place In A Suitable Properly Marked Waste Container.  
Dispose Of Properly.

Evacuate Personnel In The Area To A Safe Distance.

Remove All Sources Of Ignition.

Pick Up Bulk Spilled Material With An Explosion-Proof Pump  
And Dispense Into A Suitable Clean, Marked Container.

Sweep Or Shovel The Dry Chemical Into A Clean, Marked  
Container Using A Nonreactive Nonsparking Shovel.

It Is Important To Minimize Dusting.

\*\* WASTE DISPOSAL:

Follow Local, State, And Federal Disposal Regulations.

Consult S & S Co. For Further Information

Dispose Of Waste In Accordance With Federal, State,  
And Local Law.

Incinerate At A Federally Approved Facility.

Land Fill At Secured Approved Landfill.

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SECTION VII: SPECIAL PROTECTION INFORMATION:

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PROTECTION LEVELS SHOULD BE INCREASED ACCORDING TO USE CONDITIONS  
UNCOATED TYVEK SHOULD NEVER BE USED FOR CHEMICALS.

\*\* RESPIRATORY:

If Use Conditions Generate A Mist, Spray, Or Dust, An  
Appropriate NIOSH-Approved Respirator May Be Required

\*\* SKIN CONTACT:

Nitrile Gloves

\*\* EYE CONTACT:

Chemical Splash Goggles  
Full Face Shield

\*\* VENTILATION:

Adequate For Work Area To Maintain Vapors At A Safe Level  
Maintain Levels Below Any Listed TLV'S.

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SECTION VIII: SPECIAL PRECAUTIONS (HANDLING AND STORAGE)

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\*\* SPECIAL PRECAUTIONS:

Do Not Transfer To Containers Not Properly Labeled For  
This Product. Triple Rinse Empty Container Before  
Disposal To Prevent Possible Chemical Reaction On Reuse  
Do Not Contaminate With Dirty Equipment.

\*\* Use This Product At Room Temperature. Do Not Heat.

\*\* OTHER PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. FOR INDUSTRIAL AND COMMERCIAL USE ONLY

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SECTION IX: HEALTH HAZARD DATA/ROUTES OF ENTRY:

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\*\* TLV AND SOURCE: 50 ppm

\*\* ACUTE EFFECTS OF OVEREXPOSURE

\*\* INGESTION SYMPTOMS:

May Cause Diarrhea/Intestinal Distention/Cramps.

Harmful Or Fatal If Swallowed.

May Cause Irritation And Burning Of Membranes In Mouth  
& Throat

May Cause Strong Salivation, Vomiting, Nausea, Drowsiness,  
And Fatigue.

\*\* SKIN ABSORPTION And/Or SKIN CONTACT:

Skin Contact May Aggravate Pre-Existing Skin Conditions.

Continued Or Repeated Contact May Cause Sensitivity  
And/Or Dermatitis.

May Cause Irritation/Reddening

Repeated Or Prolonged Contact May Cause Drying, Brittleness,  
Cracking, And Irritation Of The Skin.

Prolonged Contact May Cause Severe Burns On Sensitive Skin

\*\* RESPIRATORY:

Breathing Product Dust Or Mist May Irritate Respiratory  
Tract.

May Cause Coughing

May Cause Depression, Dizziness, Confusion, Incoordination,  
Unconsciousness.

May Cause Headaches

\*\* EYE CONTACT:

May Cause Inflammation Of The Conjunctives.

Liquid And Mist Are Irritating And May Cause Severe  
Burns To The Eyes.

May Cause Redness/Blurred Vision/Tearing/Burning.

May Cause Temporary Damage Which May Persist Or Worsen.

Vapors May Cause Irritation Or Burns.

\*\* CHRONIC EFFECTS OF OVEREXPOSURE:

\*\*\*\*\* EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*

\*\* INGESTION:

If Vomiting Occurs Spontaneously, Hold Head Lower Than  
Hips To Prevent Aspiration.

Rinse Mouth Out And Spit. Do Not Swallow!

Do Not Induce Vomiting. Drink Water Or Milk. Continue

Sipping Fluids Until Medical Help Is Obtained.

Keep Quiet And Treat For Shock. Do Not Speak Except To  
Assist In First Aid.

Never Attempt To Give Anything By Mouth To An  
Unconscious Person.

\*\* SKIN CONTACT:

Remove Contaminated Clothing At Once. Blot Wet Chemical  
With Compatible Wipe, Or Brush Off Dry Chemical.

Flush With Cold Water For At Least 15 Minutes.

Monitor Victim For Recurring Symptoms.

Clean Contaminated Clothing Before Reuse.

Discard Shoes By Approved Methods. Do Not Reuse.

Wash With Soap And Water. Flush With Cool Clean Water

Until All Chemical Is Removed. Check PH On Skin To Verify

\*\* RESPIRATORY:

Remove To Fresh Air. Loosen Tight Clothing. Treat For  
Shock. Give CPR If Necessary. Keep Warm And Quiet.

If Symptoms Persist Or Worsen, Get Medical Attention  
At Once.

If Short Of Breath, Give Oxygen If Qualified Personnel  
Are Available. If Symptoms Persist, Get Medical Care At  
Once.

\*\* EYE CONTACT:

Get Water Into Eyes Immediately. Holding Eyelids Apart,  
Continue Flushing Until Medical Help Is Found.

Chemical Antidote Should Only Be Given By A Physician.

\*\* NOTES TO PHYSICIAN:

None Known

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\*\* OTHER PERTINENT PRODUCT INFORMATION:

NOTE: WHILE S & S COMPANY BELIEVES THAT THE DATA CONTAINED HEREIN IS FACTUAL AND THE OPINIONS EXPRESSED ARE THE RESULTS OF THE TESTS CONDUCTED, THE DATA IS NOT INTENDED TO BE TAKEN AS A WARRANTY OR REPRESENTATION FOR WHICH S & S COMPANY ASSUMES LEGAL RESPONSIBILITY. THEY ARE OFFERED SOLELY FOR YOUR CONSIDERATION, INVESTIGATION AND VERIFICATION. ANY USE OF THESE DATA AND INFORMATION MUST BE DETERMINED BY THE USER TO BE IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS.

ABBREVIATIONS : N/D - Not Determined  
                  N/A - Not Applicable