Safety Data Sheet

Spec CJ Guard

Version 1

SECTION 1 – PRODUCT AND COMPANY IDENTIFICATION

1.1 Trade Name (as labeled):	Spec CJ Guard
Chemical Name/Family:	ACETIC ACID ETHENYL ESTER, POLYMER WITH ETHENOL
CAS No:	Mixture
1.2 Product Use:	Film-forming polymers
Restrictions:	None known
1.3 Company Name:	**SpecChem**
Company Address:	1511 Baltimore Ave; Suite 600
Company Address Cont:	Kansas City, MO 64108
Business Phone:	(816) 968-5600
Website:	www.specchemllc.com
1.4 Emergency Telephone Number:	**VelocityEHS** 1-(800)255-3924 (North America) +1-813-248-0585 (International) 1-300-954-583 (Australia) 0-800-591-6042 (Brazil) 400-120-0751 (China) 000-800-100-4086 (India) 800-099-0731 (Mexico)
Date of Current Revision:	9/23/2019

SECTION 2 – HAZARDS IDENTIFICATION

Classification in accordance with paragraph (d) of 29 CFR 1910.1200.
Skin Sensitization - Category 1A
GHS Label Elements Symbol(s)

Signal Word
Warning
Hazard Statement(s)
May cause an allergic skin reaction.
Precautionary Statement(s) Prevention
Avoid breathing dust/fume/gas/mist/vapours/spray.
Contaminated work clothing must not be allowed out of the workplace.
Wear protective gloves.
Response
IF ON SKIN: Wash with plenty of soap and water.
If skin irritation or rash occurs: Get medical advice/attention.
Wash contaminated clothing before reuse.
Specific treatment (see label).
Storage
None needed according to classification criteria.
Disposal
Dispose of contents/container in accordance with local/regional/national/international regulations.

Spec CJ Guard

Version 1

SECTION 3 – Hazardous Composition/Information on Ingredients

Ingredients	CAS No.	Percent (%)
Water	**7732-18-5**	**70.0-95.0**
Acetic acid ethenyl ester, polymer with ethenol	**25213-24-5**	**5.0-30.0**
Sodium acetate	**127-09-3**	**0.01-0.1**
Methyl acetate	**79-20-9**	**0.001-0.1**
Methyl alcohol	**67-56-1**	**0.001-0.1**
5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone	**55965-84-9**	**0.0038**

SECTION 4 – FIRST AID MEASURES

Skin Contact: Wash with plenty of soap and water. If skin irritation or rash occurs, seek medical advice/attention. Wash contaminated clothing before reuse.

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Inhalation: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell.

Ingestion: If a large amount is swallowed, get medical attention.

Most Important Symptoms / Effects

Acute: May cause an allergic skin reaction.

Delayed: May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed: Treat symptomatically and supportively.

Note to Physicians: Treat symptomatically and supportively.

SECTION 5 – FIRE FIGHTING MEASURES

Fire Extinguishing Media: The product itself does not burn in solution. dry polymer: Use dry chemical, carbon dioxide, alcohol-resistant foam or water spray.

Unsuitable Extinguishing Media: Do not scatter spilled material with high-pressure water streams.

Specific Hazards in Case of Fire: Carbon monoxide, carbon dioxide.

Thermal Decomposition: To avoid thermal decomposition, do not overheat. Thermal decomposition can lead to release of irritating gases and vapors.

Special Fire Fighting Information: Keep unnecessary people away, isolate hazard area and deny entry. Do not enter confined spaces unless adequately ventilated. Cool containers with water spray until well after the fire is out. Keep away from heat, sparks and flame. Wear full protective fire fighting gear including self contained breathing apparatus (SCBA) for protection against possible exposure.

SECTION 6 – ACCIDENTAL RELEASE MEASURES (STEPS FOR SPILLS)

Personal Precautions: Keep unnecessary people away, isolate hazard area and deny entry. The mixture is slippery when wet. Avoid contact with skin and eyes.

Environmental Precautions: Prevent environmental discharge consistent with regulatory requirements.

Methods and Materials for Containment and Cleaning up: Use approved industrial vacuum cleaner for removal. Absorb spillage to prevent material damage. Collect in closed and suitable containers for disposal.

SECTION 7 - HANDLING AND STORAGE

Precautions for Safe Handling: Use only outdoors or in a well-ventilated area. Spilled polymer solution is very slippery. Use care to avoid falls. Wash thoroughly after handling.

Conditions for Safe Storage, Including any Incompatibilities: None needed according to classification criteria. Protect from freezing. Store at room temperature. Store in original container.

Incompatible Materials: Oxidizing agents, acids, peroxides, perchlorates, nitrates, reactive metals

Spec CJ Guard

Version 1

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

Methyl acetate 79-20-9

ACGIH	200 ppm TWA 250 ppm STEL
NIOSH	200 ppm TWA ; 610 mg/m3 TWA 250 ppm STEL ; 760 mg/m3 STEL 3100 ppm IDLH (10% LEL)
OSHA (US)	200 ppm TWA ; 610 mg/m3 TWA
Mexico	200 ppm TWA VLE-PPT ; 610 mg/m3 TWA VLE-PPT 250 ppm STEL [PPT-CT]; 760 mg/m3 STEL [PPT-CT]

Methyl alcohol 67-56-1

ACGIH	200 ppm TWA 250 ppm STEL Skin potential significant contribution to overall exposure by the cutaneous route
NIOSH	200 ppm TWA ; 260 mg/m3 TWA 250 ppm STEL ; 325 mg/m3 STEL Potential for dermal absorption 6000 ppm IDLH
Europe	200 ppm TWA ; 260 mg/m3 TWA Possibility of significant uptake through the skin
OSHA (US)	200 ppm TWA ; 260 mg/m3 TWA
Mexico	200 ppm TWA VLE-PPT ; 260 mg/m3 TWA VLE-PPT 250 ppm STEL [PPT-CT]; 310 mg/m3 STEL [PPT-CT] Skin - potential for cutaneous absorption

EU - Occupational Exposure (98/24/EC) Binding Biological Limit Values and Health Surveillance Measures :	There are no biological limit values for any of this product's components.
ACGIH:	Threshold Limit Values - Biological Exposure Indices (BEI)
Methyl alcohol (67-56-1):	15 mg/L Medium: urine Time: end of shift Parameter: Methanol (background, nonspecific)
Engineering Controls;	Provide local exhaust or process enclosure ventilation system. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.
Individual Protection Measures, such as Personal Protective Equipment Eye/ face protection:	Wear splash resistant safety goggles. Contact lenses should not be worn.
Skin Protection:	Wear appropriate chemical resistant clothing. Recommended material type: neoprene.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an appropriate cartridge or canister may be appropriate under certain

	circumstances where airborne concentrations are expected to exceed exposure limits.
Glove Recommendations:	Wear appropriate chemical resistant gloves.

SECTION 9 – PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Colorless to yellow
Odor:	Odorless
Odor Threshold:	N.D.
pH:	5 – 7.5 , conc: 10%
Specific Gravity (77°F):	1.02 - 1.05 20 °C
Melting Point:	N.D.
Freezing Point:	N.D.
Boiling point:	100°C (>212°F)
Flash Point:	N.D.
Evaporation Rate (BuAc=1):	N.D.
Flammability:	N.D.
Explosion Limits:	(lower) N/D, (upper) N/D
Vapor Pressure (mmHg):	N.D.
Vapor Density (Air=1):	N.D.
Solubility:	N.D.
Viscosity:	N.D.
Thermal Decomposition Temperature:	N.D.

SECTION 10 – STABILITY AND REACTIVITY

Reactivity:	No hazard expected.
Chemical Stability:	Stable under normal conditions of use.
Possibility of Hazardous Reactions:	Hazardous polymerization will not occur.
Conditions to Avoid:	Protect from freezing.
Incompatible Materials:	Oxidizing agents, acids, peroxides, perchlorates, nitrates, reactive metals.

Hazardous decomposition products: Oxides of carbon.

SECTION 11 – TOXICOLOGY INFORMATION

Potential Health Effects:

Eye:	Yes	Skin:	Yes	Inhalation:	No	Ingestion:	Yes

Potential Health Effects:

Inhalation: No information on significant adverse effects.

Ingestion: May cause gastrointestinal irritation.

Skin Contact: May cause slight irritation. May cause an allergic skin reaction.

Eye Contact: Preexisting eye, skin and respiratory disorders may be aggravated by exposure to this product. May cause severe irritation.

Signs and Symptoms of Exposures: May cause an allergic skin reaction.

Acute & Chronic Toxicity:
Component Analysis – LD50/LC50 - The components of this material have been reviewed in various sources and the following selected endpoints are published:

Water (7732-18-5): Oral LD50 Rat >90 mL/kg

Sodium acetate (127-09-3): Oral LD50 Rat 3530 mg/kg
Dermal LD50 Rabbit >10 g/kg
Inhalation LC50 Rat >30 g/m3 1 h

Methyl acetate (79-20-9): Oral LD50 Rat >5 g/kg
Dermal LD50 Rabbit >5 g/kg
Inhalation LC50 Rat 16000 ppm 4 h

Methyl alcohol (67-56-1): Oral LD50 Rat 6200 mg/kg
Inhalation LC50 Rat 22500 ppm 8 h

5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9):
Oral LD50 Rat 53 mg/kg

Product Toxicity Data
Acute Toxicity Estimate :

Dermal	> 2000 mg/kg
Oral	> 2000 mg/kg

Respiratory or Skin Sensitization: No information available

Mutagenicity: No information available

Carcinogenicity: No information available

IARC:	No	NTP:	No	OSHA:	No

SECTION 12 – ECOLOGICAL INFORMATION

Acetic acid ethenyl ester, polymer with ethanol: **25213-24-5**

Fish: LC50 96 hr Lepomis macrochirus (Bluegill sunfish) 10 g/L; LC50 96 hr Pimephales promelas (Fathead minnow) 40 g/L

Invertebrate: EC50 48 hr Daphnia magna 8300 mg/L PBT and vPvB

Sodium acetate: **127-09-3**

Invertebrate: EC50 48 h Daphnia magna >1000 mg/L IUCLID

Methyl acetate: **79-20-9**

Fish: LC50 96 h Pimephales promelas 295 - 348 mg/L [flow-through]; LC50 96 h Brachydanio rerio 250 - 350 mg/L [static]

Algae: EC50 72 h Desmodesmus subspicatus >120 mg/L IUCLID

Invertebrate: EC50 48 h Daphnia magna 1026.7 mg/L IUCLID

Methyl alcohol: **67-56-1**

Fish: LC50 96 h Pimephales promelas 28200 mg/L [flow-through]; LC50 96 h Pimephales promelas >100 mg/L [static]; LC50 96 h Oncorhynchus mykiss 19500 - 20700 mg/L [flow-through]; LC50 96 h Oncorhynchus mykiss 18 - 20 mL/L [static]; LC50 96 h Lepomis macrochirus 13500 - 17600 mg/L [flow-through]

Bioaccumulative Potential: **Low.**
Biodegradation: **90%**
Chemical Oxygen Demand (COD): **Ca. 17000 mgO2/g**

SECTION 13 – DISPOSAL CONSIDERATIONS

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

Spec CJ Guard

Version 1

Component Waste Numbers: The U.S. EPA has not published waste numbers for this product's components

SECTION 14 - TRANSPORTATION INFORMATION

US DOT: Not Regulated

Transport by sea IMDG-Code: Not Regulated for transport

Air transport ICA-TI/IATA-DGR: Not Regulated for transport

SECTION 15 – REGULATORY INFORMATION

U.S. Federal Regulations
This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), and/or require an OSHA process safety plan.

Methyl alcohol	**67-56-1**
SARA 313:	1 % de minimis concentration
CERCLA:	5000 lb final RQ ; 2270 kg final RQ

SARA Section 311/312 (40 CFR 370 Subparts B and C)
Acute Health: Yes **Chronic Health:** No **Fire:** No **Pressure**: No **Reactivity:** No
U.S. State Regulations
The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Methyl acetate	**79-20-9**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**
Methyl alcohol	**67-56-1**	**Yes**	**Yes**	**Yes**	**Yes**	**Yes**

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):
WARNING! This product contains a chemical known to the state of California to cause reproductive/developmental effects

Methyl alcohol	**67-56-1**
Repro/Dev. Tox	developmental toxicity , 3/16/2012

Canada Regulations
Canadian WHMIS Ingredient Disclosure List (IDL)
Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which meet WHMIS criteria specified in the Controlled Products Regulations and are present above the threshold limits listed on the IDL

Methyl acetate	**79-20-9**
	1 %
Methyl alcohol	**67-56-1**
	1 %

Component Analysis - Inventory
Water (7732-18-5)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	No	No	Yes	No	No	Yes	Yes	Yes	Yes

Acetic acid ethenyl ester, polymer with ethenol (25213-24-5)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	No	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes

Sodium acetate (127-09-3)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes

Methyl acetate (79-20-9)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes

Methyl alcohol (67-56-1)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
Yes	DSL	EIN	Yes	Yes	Yes	No	Yes	No	No	Yes	Yes	Yes	Yes

5-Chloro-2-methyl-3(2H)-isothiazolone, mixture with 2-methyl-3(2H)-isothiazolone (55965-84-9)

US	CA	EU	AU	PH	JP-ENCS	JP-ISHL	KR KECI – ANNEX 1	KR KECI – ANNEX 2	KR - REACH CCA	CN	NZ	MX	TW
No	DSL	No	No	Yes	Yes	No	Yes	No	No	Yes	Yes	No	Yes

Spec CJ Guard

Version 1

SECTION 16 – OTHER INFORMATION

HMIS Rating:	Health: 0 Fire: 1 Reactivity: Not available
Hazard Scale:	0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe * = Chronic hazard
NFPA Ratings	Health: 0 Fire: 1 Reactivity: Not available Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe
Summary of Changes:	Updated SDS: 8/6/2019

Key / Legend:
ACGIH - American Conference of Governmental Industrial Hygienists; ADR - European Road Transport; AU - Australia; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CA/MA/MN/NJ/PA - California/Massachusetts/Minnesota/New Jersey/Pennsylvania*; CAS - Chemical Abstracts Service; CFR - Code of Federal Regulations (US); CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CLP - Classification, Labelling, and Packaging; CN - China; CPR - Controlled Products Regulations; DFG - Deutsche Forschungsgemeinschaft; DOT - Department of Transportation; DSD - Dangerous Substance Directive; DSL - Domestic Substances List; EC – European Commission; EEC - European Economic Community; EIN - European Inventory of (Existing Commercial Chemical Substances); EINECS - European Inventory of Existing Commercial Chemical Substances; ENCS - Japan Existing and New Chemical Substance Inventory; EPA - Environmental Protection Agency; EU - European Union; F - Fahrenheit; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; ICAO - International Civil Aviation Organization; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; IMDG - International Maritime Dangerous Goods; ISHL - Japan Industrial Safety and Health Law; IUCLID - International Uniform Chemical Information Database; JP - Japan; Kow - Octanol/water partition coefficient; KR KECI Annex 1 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL); KR KECI Annex 2 - Korea Existing Chemicals Inventory (KECI) / Korea Existing Chemicals List (KECL) , KR - Korea; LD50/LC50 - Lethal Dose/ Lethal Concentration; LEL - Lower Explosive Limit; LLV - Level Limit Value; LOLI - List Of LIsts™ - ChemADVISOR's Regulatory Database; MAK - Maximum Concentration Value in the Workplace; MEL - Maximum Exposure Limits; MX – Mexico; NDSL – Non-Domestic Substance List (Canada); NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; NZ - New Zealand; OSHA - Occupational Safety and Health Administration; PEL- Permissible Exposure Limit; PH - Philippines; RCRA - Resource Conservation and Recovery Act; REACH- Registration, Evaluation, Authorisation, and restriction of Chemicals; RID - European Rail Transport; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TCCA – Korea Toxic Chemicals Control Act; TDG - Transportation of Dangerous Goods; TLV - Threshold Limit Value; TSCA - Toxic Substances Control Act; TW – Taiwan; TWA - Time Weighted Average; UEL - Upper Explosive Limit; UN/NA - United Nations /North American; US - United States; VLE - Exposure Limit Value (Mexico); WHMIS - Workplace Hazardous Materials Information System (Canada).

Date Prepared: August 6, 2019

The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of the need that information is

current, applicable and suited to the circumstances of use. This safety sheet cannot cover all possible situations which the user may experience during processing. Each aspect of your operation should be examined to determine if, or where, additional precautions may be necessary. All health and safety information contained in this bulletin should be provided to your employees or customers. SpecChem assumes no responsibility for injury to vendee or third party person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, SpecChem assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Compliance with all applicable federal, state, and local laws and local regulations remains the responsibility of the user.

END OF SDS SHEET