SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY INFORMATION

Product Name: Show Ready Glass Cleaner - Concentrate (1900, 1901, 1902, 1903)

Product Use: Concentrated Glass Cleaner and Windshield Washer Solvent (-32)

Use Restrictions: For Industrial and Professional Use Only

Manufacturer: International Epoxies & Sealers
30241 Commerce Drive
San Antonio, FL 33576 Phone: 352-588-2400

Transportation Emergency: 800-535-5053 (INFOTRAC)

SECTION 2 - HAZARDS IDENTIFICATION

1) GHS Classification of the substance or mixture:

Acute toxicity, Inhalation - Category 3
Acute toxicity, Derma l- Category 3
Acute toxicity, Oral - Category 3
Acute toxicity, Eye - Category 2B
Flammable Liquids - Category 2
Specific target organ toxicity - single exposure- Category 1

2) Label Elements:

Signal Word: Danger

Hazard Statements:
H225- Highly flammable liquid and vapor
H301+H311+H331- Toxic if swallowed, in contact with skin or if inhaled
H370- Causes damage to organs (Eyes, Central Nervous System)

Precautionary Statements:
P102- Keep out of reach of children
P210- Keep away from heat/sparks/open flame
P234- Keep only in original container
P260- Do not breathe fume/mist/vapors/spray
P262- Do not get in eyes, on skin, or on clothing
P264- Wash skin thoroughly after handling
P280- Wear protective gloves/ eye protection/ face protection.
P307+P311- If exposed: call POISON CENTER or doctor/physician

Response Statements:
P303+P353+P361+P363- IF ON SKIN (or hair): Rinse skin with water/shower. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.
P305+P351+P338- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present, and easy to do so. Continue Rinsing.
P304+P340+ IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P301+P310- IF SWALLOWED: Immediately call POISON CENTER or doctor/physician.

P370 + P378- In case of fire: Use dry sand, dry chemical or alcohol-resistant foam for extinction.

Storage and Disposal Statements:
P403- Store in a well-ventilated place.
P405- Store locked up.
P501- Dispose of contents/container in accordance with local/regional/national regulation.

Other Hazards:
OSHA HCS 2012- Under United States Regulations (29 CFR 1910.1200 - Hazard Communication Standard), this product is considered hazardous.

HMIS III Classification:
Health Hazard- 2*
Flammability- 3
Physical Hazards- 0
0 = not significant, 1 =Slight, 2 = Moderate, 3 = High,
4 =Extreme, * = Chronic

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Chemical/Common Name	CAS #	PERCENTAGE	HAZARDOUS
Methyl Alcohol	67-56-1	90-95%	Yes

SECTION 4 - FIRST AID MEASURES

Inhalation: If affected, remove individual to fresh air. If breathing is difficult administer oxygen. If breathing has stopped, give artificial respiration. Keep person warm and quiet and obtain medical attention.
Skin: Immediately flush affected area with lots of water for at least 2 minutes. Remove contaminated clothing and wash before reuse.
Eyes: Flush immediately with large quantities of running water for at least 5 minutes. Obtain medical attention.
Ingestion: Immediately rinse mouth with a lot of water. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Obtain immediate medical attention.

SECTION 5 - FIRE FIGHTING MEASURES

Flash Point: 57°F (T.C.C.)
Autoignition Temperature: 455°F
Lower Explosive Limit: 6% (V) **Upper Explosive Limit•** 36% (V)

General Hazards-
Fire: Product is flammable or combustible in presence of ignition source.
Suitable Extinguishing Media: Use water spray, alcohol resistant foam, dry chemical or carbon dioxide.
Fire Fighting Procedures: Wear self contained breathing apparatus for fire fighting if necessary.
Hazardous Combustion Products: Normal thermal decomposition byproducts i.e. carbon oxides.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid breathing vapors, mist or gas.
Emergency Procedures: As an immediate precautionary measure, isolate spill or leak area for at least 50 meters (150 feet) in all directions. Keep unauthorized personnel away. Stay upwind. Ventilate closed spaces before entering.
Environmental precautions: Avoid run off to waterways and sewers.
Methods and material for containment and cleaning up: Stop leak if you can do it without risk. Absorb or cover with dry earth, sand or other non-combustible material and transfer to appropriate waste disposal container.

SECTION 7 - HANDLING & STORAGE

Precautions for safe handling:
Avoid contact with skin and eyes by wearing protective clothing and equipment. Avoid inhalation of vapor or mist. Use only with adequate ventilation.
Conditions for safe storage:
Keep container tightly closed in a dry and well-ventilated place. Store away from acids, acidic materials and oxidizers.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control Parameters:

Component	CAS #	ACGIH Exposure Limits	OSHA Exposure Limits
Methyl Alcohol	67-56-1	200 ppm	200 ppm

Personal Protective Equipment-

Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment. Follow the OSHA respirator regulations found in 29 CFR 1910.134. Use a NIOSH/MSHA approved respirator if exposure limits are exceeded or symptoms are experienced.
Hand protection: Wear protective gloves made from the following materials- nitrile rubber or polyethylene. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.
Eye Protection: Wear safety glasses with side shields.
Skin and Body Protection: Where extensive dermal exposure may be expected, either a chemical suit or chemical apron will be needed.
Hygienic Practices: Handle in accordance with good industrial hygiene and safety practice. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Safety shower and eye wash should be available close to work areas.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Products Description:	Clear blue liquid with characteristic odor
Solubility in Water:	Complete
Boiling Point:	N/A
Specific Gravity (WATER=1):	0.96
Vapor Pressure (mmHg):	N/D
Vapor Density (AIR=1):	N/D
Percent Volatile by Volume (%):	> 90.00
Evaporation Rate (WATER=1):	1
Flash Point (T.C.C.):	57°F
pH (1% w/w in water):	8-10

SECTION 10 - STABILITY AND REACTIVITY DATA

Stability: Stable under recommended storage conditions.
Material to Avoid: Avoid contact with acids and strong oxidizers such as permanganate, chlorine, etc.
Hazardous Polymerization: Will not occur
Hazardous Decomposition Products: None

SECTION 11 - TOXICOLOGICAL INFORMATION

Methyl Alcohol (CAS 67-56-1)-

Toxicity:

Acute oral toxicity- LD50 Oral: 100 mg/kg

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Species: rat
Remarks: The component/mixture is toxic after single ingestion.

Acute inhalation toxicity- LC50: 5 mg/1
Species: Rat
Remarks: The component/mixture is toxic after short term inhalation.

Acute dermal toxicity- LD50: 300 mg/kg
Species: Rabbit
Exposure Time: 20 hours
Method: In Vivo
Remarks: no irritation or sensitization detected.

Serious eye damage/eye irritation- not irritating to eyes

Respiratory or skin sensitization:

Test Type: Maximisation Test (GPMT)
Species: guinea pig
Method: OECD Test Guideline 406
Result: Does not cause skin sensitization.

Germ cell mutagenicity:

Genotoxicity in vitro-
Test Type: Ames test
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: Chromosome aberration test in vitro
Test species: Chinese hamster lung fibroblasts
Metabolic activation: Without metabolic activation
Result: negative

Test Type: Mammalian cell gene mutation assay
Test species: Chinese hamster lung fibroblasts
Metabolic activation: with and without metabolic activation
Result: negative

Test Type: DNA damage and/or repair
Metabolic activation: with and without metabolic activation
Result: Ambiguous

Genotoxicity in vivo-
Test Type: In vivo micronucleus test
Test species: mouse (male and female)
Cell type: Bone marrow
Application Route: Intraperitoneal
Exposure time: Single
Dose: 0, 1920, 3200, 4480 mg/kg
Result: negative

Test Type: DNA damage and/or repair
Test species: mouse (male)
Cell type: Bone marrow
Application Route: Intraperitoneal
Exposure time: 1 or 15 d
Dose: 0, 2000 mg/kg bw
Result: negative

Test Type: Chromosome aberration assay in vivo
Test species: mouse (male)
Cell type: lung cells
Application Route: inhalation (vapor)
Exposure time: 5 d, 6 h/d
Dose: 0, 800, 4000 ppm
Result: negative

Carcinogenicity:

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Species: mouse, (male and female)
Application Route: inhalation (vapor)
Exposure time: 18 mths
Dose: 0, 0.013, 0.13, 1.3 mg/L
Frequency of Treatment: 19 h/d, 7 d/wk
NOAEL: >= 1.3 mg/1
Result: did not display carcinogenic properties

Reproductive toxicity:

Effects on fertility-
Test Type: Fertility
Species: monkey, female
Application Route: Inhalation
Dose: 0, 0.27, 0.8, 2.39 mg/L
Duration of Single Treatment: 3 h
Frequency of Treatment: 7 days/week
General Toxicity - Parent: NOAEC: 2.39 mg/1
General Toxicity F1: NOAEC: 2.39 mg/1
Fertility: NOAEC: 2.39 mg/1
Result: No reproductive effects.

Test Type: Two-generation study
Species: rat, male and female
Application Route: Inhalation
Dose: 0, 0.013, 0.13, 1.3 mg/L
Duration of Single Treatment: 20 h
General Toxicity - Parent: NOAEC: 1.3 mg/1
General Toxicity Fl: NOAEC: 0.13 mg/1
Fertility: NOAEC: 1.3 mg/1
Symptoms: Effects on postnatal development.
Result: Animal testing did not show any effects on fertility.

Effects on fetal development-
Species: rat
Application Route: inhalation (vapor)
Dose: 0, 6.65, 13.3, 26.6 mg/L
Duration of Single Treatment: 20 d
Frequency of Treatment: 7 hr/day
General Toxicity Maternal: NOAEC: 13.3 mg/L
Teratogenicity: NOAEC: 6.65 mg/L
Symptoms: Maternal toxicity, Skeletal and visceral variations.

STOT - single exposure:

Target Organs: Eyes, Central nervous system
Assessment: The substance or mixture is classified as specific target organ toxicant, single exposure, category 1.

STOT - repeated exposure: No data available

Repeated dose toxicity:

Species: mouse, male and female
NOAEL: 1.3 mg/1
Application Route: Inhalation
Exposure time: 12 mths
Number of exposures: Continuous
Dose: 0, 0.013, 0.13, 1.3 mg/L
Result: Toxic if swallowed, in contact with skin or if inhaled

SECTION 12 - ECOLOGICAL INFORMATION

Methyl Alcohol (CAS 67-56-1)-

Ecotoxicity:

Aquatic toxicity (fish)- LC50 (Lepomis macrochirus (Bluegill sunfish)): 15,400 mg/1
Exposure time: 96 h
Test Type: flow-through test

Aquatic toxicity (Aquatic Invertebrates)- EC50 (Daphnia magna (Water flea)): > 10,000 mg/1
Exposure time: 48 h
Test Type: static test

Toxicity to algae- EC50 (Scenedesmus capricornutum (fresh water algae)): 22,000 mg/1
End point: Growth rate
Exposure time: 96 h
Test Type: static test
Method: OECD Test Guideline 201

Toxicity to bacteria- IC50 (activated sludge): > 1,000 mg/1
End point: Growth rate
Exposure time: 3 h
Test Type: Static
Method: OECD Test Guideline 209

Persistence and degradability:
Biodegradability: aerobic
Result: Readily biodegradable.
Biodegradation: 72%
Remarks: Readily biodegradable

Biochemical Oxygen Demand (BOD): 600 - 1,120 mg/g

Chemical Oxygen Demand (COD): 1,420 mg/g

Stability In Water:
Hydrolysis: 91 % at 19°C (72 h)
Remarks: Hydrolysis on contact with water. Hydrolyses readily.

Bioaccumulative potential:
Bioaccumulation-
Species: Cyprinus carpio (Carp)
Bioconcentration factor (BCF): 1.0
Exposure time: 72 d
Temperature: 20°C
Concentration: 5 mg/l
Remarks: This substance is not considered to be fery persistent nor very bioaccumulating (vPvB)

Partition coefficient: n-octanol/water: log Pow: -0.77

Mobility in soil: no data available.

Regulation: 40CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances.

Remarks: This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App. A + B).

SECTION 13 - DISPOSAL CONSIDERATIONS

Further Information: Do not dispose of waste into sewer. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of as hazardous waste in compliance with local and national regulations.

SECTION 14 - TRANSPORT INFORMATION

Transport in accordance with all federal, state and local regulations.

DOT-
UN Number: UN 1992
UN Proper Shipping Name: Flammable Liquid, toxic, n.o.s. (methyl alcohol)
Hazard Class: 3

Packing Group: II

SECTION 15 - REGULATORY INFORMATION

OSHA hazards: Flammable liquid, Target Organ Effect, Toxic By Inhalation, Toxic By Ingestion, Toxic By Skin Absorption.

SARA 302 Components: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302

SARA 304 Components: The following components are subject to reporting levels established by SARA Title III, Section 313:

Product	CAS No.	Revision Date
Methanol	67-56-1	2007-07-01

SARA 311/312 Hazards: Fire hazard, Acute health hazard, Chronic health hazard.

Massachusetts Right To Know Components:

Product	CAS No.	Revision Date
Methanol	67-56-1	2007-07-01

Pennsylvania Right To Know Components:

Product	CAS No.	Revision Date
Methanol	67-56-1	2007-07-01

California Prop. 65 Components: WARNING: this product contains a chemical known to the State of California to cause birth defects or other reproductive harm.

Product	CAS No.	Revision Date
Methanol	67-56-1	2007-07-01

SECTON 16 - OTHER INFORMATION

References: NA
Other Special Considerations: NA
Created: 07/01/14
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