SAFETY DATA SHEET

PRIM 92306

PRIME GUARD POWER BLAST WINDSHIELD WASH +20ºF

SECTION 1: IDENTIFICATION

PRODUCT IDENTIFIER

Product name	Power Blast Windshield Wash +20ºF
Product number	#PRIM 92306 (Gallon)
Brand	Prime Guard

Recommended use of the chemical and restrictions on use

Recommended Use	Windshield Wiper Fluid

SUPPLIER'S DETAILS

Name	Highline Aftermarket
Address	4500 Malone Road Memphis TN 38118
Telephone	901-775-5555
email	sds@highlineaftermarket.com
Emergency Phone Number(s)	CHEM-TEL (800) 255-3924 24 Hour Assistance

SECTION 2: HAZARD IDENTIFICATION

CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Oral	Category 4
Acute toxicity - Dermal	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Specific target organ toxicity (single exposure)	Category 1
Flammable liquids	Category 3

GHS label elements, including precautionary statements

Signal word	**Danger**
Pictogram	   1.Exclamation Mark 2. Health Hazard 1. Flame
Appearance	Blue
Physical State	Liquid
Odor	Mild Alcohol

Hazard statement(s)
Harmful if swallowed
Harmful if contact with skin
Harmful if inhaled
Causes damage to organs
Flammable liquid and vapor

Precautionary statement(s)
Wear protective gloves/protective clothing/eye protection/face protection
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product Use only outdoors or in a well-ventilated area
Do not breathe dust/fume/gas/mist/vapors/spray
Keep away from heat/sparks/open flames/hot surfaces. - No smoking Keep container tightly closed
Ground/bond container and receiving equipment
Use explosion-proof electrical/ ventilating/ lighting/ equipment
Use only non-sparking tools
Take precautionary measures against static discharge

Precautionary Statements - Response
IF exposed: Call a POISON CENTER or doctor/physician
Specific treatment (see supplemental first aid instructions on this label)

Skin
Call a POISON CENTER or doctor/physician if you feel
unwell Wash contaminated clothing before reuse
IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower

Inhalation
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for

breathing Call a POISON CENTER or doctor/physician if you feel unwell

Ingestion
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

Fire
In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage
Store in a well-ventilated place. Keep cool

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

HAZARDS NOT OTHERWISE CLASSIFIED (HNOC)
Not applicable

OTHER INFORMATION
PROLONGED OR REPEATED CONTACT MAY DRY SKIN AND CAUSE IRRITATION

INTERACTIONS WITH OTHER CHEMICALS
Use of alcoholic beverages may enhance toxic effects.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%	Trade Secret
Methyl alcohol	67-56-1	8-12	*

*The exact percentage (concentration) of composition has been withheld as a trade secret

SECTION 4: FIRST-AID MEASURES

DESCRIPTION OF NECESSARY FIRST-AID MEASURES

General Advice — Show this safety data sheet to the doctor in attendance.

Eye Contact — Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do so. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. If symptoms persist, call a physician.

Skin Contact	Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes. If symptoms persist, call a physician.
Inhalation	Remove to fresh air. If breathing is difficult, (trained personnel should) give oxygen. If not breathing, give artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-mouth resuscitation.
Ingestion	Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Never give anything by mouth to an unconscious person. Call a physician.
Self-protection of the first aider	Ensure that medical personnel are aware of the material(s) involved, take precautions to protect themselves and prevent spread of contamination. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED
Most Important Symptoms and Effects
Coughing and/ or wheezing. Difficulty in breathing.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED
Notes to Physician
Ethanol may inhibit methanol metabolism.

SECTION 5: FIRE-FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA
Dry chemical. Carbon dioxide (CO2). Water spray. Alcohol resistant foam.

UNSUITABLE EXTINGUISHING MEDIA
CAUTION: All these products have a very low flash point. Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL
Vapors can form explosive mixtures with air. Vapors may travel to source of ignition and flash back. Most vapors are heavier than air. They will spread along ground and collect in low or confined areas (sewers, basements, tanks). Vapor explosion hazard indoors, outdoors or in sewers. Runoff to sewer may create fire or explosion hazard.

Uniform Fire Code	Toxic: Liquid Combustible Liquid: II

HAZARDOUS COMBUSTION PRODUCTS
Carbon oxides.

EXPLOSION DATA
Sensitivity to Mechanical Impact No.

Sensitivity To Static Discharge Yes.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES
ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area) All equipment used when handling the product must be grounded. Do not touch or walk through spilled material. Full encapsulating, vapor protective clothing should be worn for spills and leaks with no fire. Do not breathe vapor or mist.

Other Information
Water spray may reduce vapor; but may not prevent ignition in closed spaces.

ENVIRONMENTAL PRECAUTIONS
Prevent entry into waterways, sewers, basements or confined areas.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP
Methods for Containment: Stop leak if you can do it without risk. A vapor suppressing foam may be used to reduce vapors. Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Methods for cleaning up: Use clean non-sparking tools to collect absorbed material. Dike far ahead of liquid spill for later disposal. Soak up with inert absorbent material. Pick up and transfer to properly labeled containers.

SECTION 7: HANDLING AND STORAGE

PRECAUTIONS FOR SAFE HANDLING

Use personal protection equipment. Ensure adequate ventilation. Avoid contact with skin, eyes or clothing. Avoid breathing vapors or mists. In case of insufficient ventilation, wear suitable respiratory equipment. Keep away from heat/sparks/open flames/hot surfaces. No smoking. Use grounding and bonding connection when transferring this material to prevent static discharge, fire or explosion. Use spark-proof tools and explosion-proof equipment.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage Keep in properly labeled containers. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity). Protect from moisture. Store away from other materials. Do not store near combustible materials.

Incompatible Products: None known based on information supplied

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

CONTROL PARAMETERS

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl alcohol 67-56-1	STEL = 250 ppm TWA: 200 ppm S*	TWA: 200 ppm TWA: 260 mg/m^3 (vacated) TWA: 200 ppm (vacated) TWA: 260 mg/m^3 (vacated) STEL: 250 ppm (vacated) STEL: 325 mg/m^3 (vacated) S*	IDLH: 6000 ppm TWA: 200 ppm TWA: 260 mg/m^3 STEL: 325 mg/m^3 STEL: 250 ppm

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits Immediately Dangerous to Life or Health

Other Exposure Guidelines Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992) See section 15 for national exposure control parameters

APPROPRIATE ENGINEERING CONTROLS

Engineering Measures Showers
Eyewash stations
Ventilation systems

INDIVIDUAL PROTECTION MEASURES, SUCH AS PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection	Tight sealing safety goggles. If splashes are likely to occur. Face protection shield.
Skin and Body Protection	Impervious gloves. Impervious clothing. Chemical resistant apron. Antistatic boots.
Respiratory Protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
Hygiene Measures	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Keep away from food, drink, and animal feeding stuffs. Avoid contact with skin, eyes or clothing. Wash hands before breaks and immediately after handling the product. Take off contaminated clothing and wash before reuse. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area, and clothing is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL AND CHEMICAL PROPERTIES

Appearance/form (physical state, color, etc.)	Liquid
Odor	Mild Alcohol
Odor threshold	No information available.
Color	Blue

PROPERTY

pH	7
Melting point/freezing point	No data available.
Initial boiling point and boiling range	96 °C / 205 °F
Flash point	54 °C / 129 °F
Evaporation rate	No data available.
Flammability (solid, gas)	No data available.
Upper/lower flammability limits	No data available.
Upper/lower explosive limits	No data available.
Vapor pressure	No data available.
Vapor density	No data available.
Specific Gravity	No data available.
Water Solubility	Miscible in water

Solubility in other solvents	No data available
Partition coefficient: n-octanol/water	No data available
Autoignition temperature	No data available
Decomposition temperature	No data available
Kinematic viscosity	No data available
Dynamic viscosity	No data available
Explosive properties	No data available
Oxidizing Properties	No data available

OTHER INFORMATION

Softening Point	No data available
VOC Content (%)	No data available
Particle Size	No data available
Particle Size Distribution	

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY
No data available.

CHEMICAL STABILITY
Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS
None under normal processing.

HAZARDOUS POLYMERIZATION
Hazardous polymerization does not occur.

CONDITIONS TO AVOID
Excessive heat. Heat, flames and sparks.

INCOMPATIBLE MATERIALS
None known based on information supplied.

HAZARDOUS DECOMPOSITION PRODUCTS
Carbon oxides.

SECTION 11: TOXICOLOGICAL INFORMATION

PRODUCT INFORMATION .

Inhalation Specific test data for the substance or mixture is not available. Harmful by inhalation. (Based on components)

Eye Contact Specific test data for the substance or mixture is not available.

Skin Contact Specific test data for the substance or mixture is not available. May be absorbed through the skin in harmful amounts. Harmful in contact with skin. (Based on components).

Ingestion Specific test data for the substance or mixture is not available. Harmful if swallowed. (Based on components).

COMPONENT INFORMATION

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl alcohol 67-56-1	= 5628 mg/kg (Rat)	-	= 83.2 mg/L (Rat) 4 h

INFORMATION ON TOXICOLOGICAL EFFECTS

Symptoms Coughing and/ or wheezing. May cause blindness.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Sensitization No information available.

Mutagenic Effects No information available.

Carcinogenicity Contains no ingredient listed as a carcinogen.

Reproductive Toxicity No information available.

STOT - single exposure Based on classification criteria from the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200), this product has been determined to cause systemic target organ toxicity from acute exposure. (STOT SE). If this product is a mixture, the classification is not based on toxicology studies for

	this product, but is based solely on toxicology studies for ingredients found within this product. Detailed substance and/or ingredient information may be provided in other sections of this SDS. Target organs effects listed in this document may result from a single overexposure to this product. Causes damage to organs if swallowed. Causes damage to organs in contact with skin. Causes damage to organs if inhaled.
STOT – repeated exposure	No information available.
Chronic Toxicity	Effects from this product caused by acute exposure may cause permanent damage to target organs and/or may cause chronic conditions. Inhalation, ingestion, or skin absorption of methanol can cause blindness.
Target Organ Effects	Respiratory system. Central Nervous System (CNS). Eyes. Gastrointestinal tract (GI). Skin. Systemic Toxicity.
Aspiration Hazard	No information available.

NUMERICAL MEASURES OF TOXICITY PRODUCT INFORMATION

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	370.00 mg/kg
ATEmix (dermal)	1,111.00 mg/kg (ATE)
ATEmix (inhalation-dust/mist)	1.86 mg/l

SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY

The environmental impact of this product has not been fully investigated.

Chemical Name	Toxicity to Algae	Toxicity to Fish	Toxicity to Microorganisms	Daphnia Magna (Water Flea)
Methyl alcohol 67-56-1		96h LC50: = 28200 mg/L (Pimephales promelas) 96h LC50: > 100 mg/L (Pimephales promelas) 96h LC50: 19500 - 20700 mg/L (Oncorhynchus mykiss) 96h LC50: 18 - 20 mL/L (Oncorhynchus mykiss) 96h LC50: 13500 - 17600 mg/L (Lepomis macrochirus)	EC50 = 39000 mg/L 25 min EC50 = 40000 mg/L 15 min EC50 = 43000 mg/L 5 min	

PERSISTENCE AND DEGRADABILITY
No information available.

BIOACCUMULATIVE POTENTIAL

Chemical Name	Log Pow
Methyl alcohol 67-56-1	-0.77

OTHER ADVERSE EFFECTS
No information available.

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL OF THE PRODUCT
This material, as supplied, is a hazardous waste according to federal regulations (40 CFR 261).

DISPOSAL OF CONTAMINATED PACKAGING
Dispose of contents/containers in accordance with local regulations

US EPA Waste Number D001

Chemical Name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Methyl alcohol 67-56-1		Included in waste stream: F039		U154

California Hazardous Waste Code 133

This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical Name	California Hazardous Waste
Methyl alcohol 67-56-1	Toxic Ignitable

SECTION 14: TRANSPORT INFORMATION

DOT (US)
Proper Shipping Name **WINDSHIELD WASHER FLUID**
Hazard Class **NOT REGULATED**
Description **COMBUSTIBLE LIQUID, AQUEOUS ALCOHOL SOLUTION**

Emergency Response Guide Number	**131**

TDG

UN-No.	**UN1230**
Proper Shipping Name	**METHANOL**
Hazard Class	**3**
Subsidiary Class	**6.1**
Packing Group	**II**
Description	**UN1230, METHANOL, 3 (6.1), II**

MEX

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Subsidiary Class	6.1
Packing Group	II
Description	UN1230, METHANOL, 3 (6/1), II

ICAO

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Subsidiary Class	6.1
Packing Group	II
Description	UN1230, METHANOL, 3 (6/1), II

IATA

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Subsidiary Class	6.1
Packing Group	II
Description	UN1230, METHANOL, 3 (6/1), II

IMDG/IMO

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Subsidiary Class	6.1
Packing Group	II
EmS-No.	F-E, S-D
Description	UN1230, METHANOL, 3 (6.1), II (43 °C C.C.)

RID

UN-No.	UN12130
Proper Shipping Name	METHANOL
Hazard Class	3

Packing Group	II
Classification code	FT1
Description	UN1230, METHANOL, 3 (6/1), II
ADR/RID- Labels	6.1

ADR

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Packing Group	II
Classification code	FT1
Tunnel Restriction code	(D/E)
Description	UN1230, METHANOL, 3 (6/1), II
ADR/RID- Labels	6.1

ADN

UN-No.	UN1230
Proper Shipping Name	METHANOL
Hazard Class	3
Packing Group	II
Classification code	FT1
Special Provisions	279, 802
Description	UN1230, METHANOL, 3 (6.1), II
Hazard Labels	6.1
Limited Quantity	1 L
Ventilation	VE01, VE02

SECTION 15: REGULATORY INFORMATION

INTERNATIONAL INVENTORIES

TSCA	Complies
DSL	All components are listed either on the DSL or NDSL.

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List

US FEDERAL REGULATIONS

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical Name	CAS No.	Weight - %	SARA 313 – Threshold Values %
Methyl alcohol - 67-56-1	67-56-1	6 - 12	1.0

SARA 311/312 HAZARD CATEGORIES

Acute Health Hazard Yes
Chronic Health Hazard Yes
Fire Hazard Yes
Sudden release of pressure hazard No
Reactive Hazard No

CWA (CLEAN WATER ACT)

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical Name	Hazardous Substances RQs	Extremely Hazardous Substances RQs	RQ
Methyl alcohol 67-56-1	5000 lb		RQ= 2270 kg final RQ RQ= 5000 lb final RQ

US STATE REGULATIONS
US STATE RIGHT-TO-KNOW REGULATIONS

California Proposition 65

This product does not contain any Proposition 65 chemicals.

Chemical Name	California Proposition 65
Methyl alcohol - 67-56-1	Developmental

INTERNATIONAL REGULATIONS

Mexico
National occupational exposure limits

Component	Carcinogen Status	Exposure Limits
Methyl alcohol 67-56-1 (10-30)		Mexico: TWA= 200 ppm Mexico: TWA= 260 mg/m^3 Mexico: STEL= 250 ppm Mexico: STEL= 310 mg/m^3

Mexico - Occupational Exposure Limits – Carcinogens

Canada
WHMIS Hazard Class
B3 - Combustible liquid
D2B – Toxic

SECTION 16: OTHER INFORMATION

NFPA	**Health Hazards 3**	**Flammability 2**	**Instability 0**	**Physical and Chemical**
HMIS	**Health Hazards 3**	**Flammability 2**	**Physical Hazard 0**	**Personal Protection X**

Prepared By: Randy Boitz

FURTHER INFORMATION/DISCLAIMER
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