SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: B7030 Windshield Wash Solvent
Product Description: Methanol Based Solvent
Use of substance/mixture: Automotive Windshield Washer liquid
CAS Registry: Major Brands Oil Company
Details of the supplier: 462 West 23rd Street, Holland, MI 49423

Date Prepared: 10/17/2014

EMERGENCY PHONE NUMBERS
USA Chemtrec 800-424-9300 24 hrs
International Chemtrec 703-527-3887
www.majorbrandsoil.com

SECTION 2 HAZARDOUS IDENTIFICATION

GHS-US Classification
Classification of Mixture: Flam. Liqu. 2 H225
Acute Tox. 4 (oral) H302
Acute Tox. 3 (Dermal) H311
Acute Tox. 4 (Inhalation; dust, mist) H332
STOT RE 1 H370

Full text of H-phrases: see section 16

GHS-US Labelling
Pictograms:

<table>
<thead>
<tr>
<th>Pictogram</th>
<th>Description</th>
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<tbody>
<tr>
<td>GHS07</td>
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<td>GHS08</td>
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<td>GHS06</td>
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Signal Word: Danger
Hazard Statements:
H225 - Highly flammable liquid vapor
H302, H332 - Harmful if swallowed or inhaled
H311 - Toxic in contact with skin
H370 - Causes damage to organs (May cause blindness if swallowed)

Precautionary statements:
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, how surfaces, open flames, sparks. - NO SMOKING
P233 - Keep container tightly closed
P240 - Ground/bond container and receiving equipment
P241 - Use explosion-proof electrical, lighting, ventilating equipment
P242 - Use only non-sparking tools
P243 - Take precautionary measures against static discharge
P260 - Do not breathe mist, spray or vapors
P264 - Wash affected areas thoroughly after handling
P270 - Do not eat, drink or smoke when using this product
P271 - Use only outdoors or in a well-ventilated area
P280 - Wear personal protective equipment as required
P301, P310 - If swallowed: Immediately call doctor/physician or poison center
P301, P353, P361 - If on skin (or hair): Take off immediately all contaminated clothing.
Rinse skin with water/shower
P304, P340 - If inhaled: Remove person to fresh air and keep comfortable for breathing
P305, P351, P388 - If in eyes: rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
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P314 - Get medical advice/attention if you feel unwell
P361, P364 - Take off immediately all contaminated clothing and wash it before reuse
P370, P378 - In case of fire: Use foam, sand, dry powder, carbon dioxide to extinguish
P403, P235 - Sore in a well-ventilated place. Keep cool
P405 - Store locked up
P501 - Dispose of contents/container, in a safe manner, to appropriate waste disposal facility, in accordance with local/regional/national/international regulations

No additional hazards

No data available for unknown acute toxicity

SECTION 3  COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>CAS No.</th>
<th>Wt. Range %</th>
<th>GHS-US Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Methanol</td>
<td>67-59-1</td>
<td>30-31%</td>
<td>Flam. Liq. 2, H225</td>
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<td>Acute Tox. 4 (Oral), H301</td>
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<td>Acute Tox. 3 (Dermal), H311</td>
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<td>Acute Tox. 4 (Inhalation), H331</td>
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<td>STOT SE 1, H370</td>
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</tbody>
</table>

SECTION 4  FIRST AID MEASURES

Emergency and First Aid Procedures:

General first aid: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

Eye contact: Immediately flush with large quantities of water for at least 15 minutes

Skin contact: Remove excess with cloth or paper towel. Wash thoroughly with soap and water. If irritation persists, get medical attention.

Ingestion: Immediately contact a physician, poison control center of emergency treatment center. DO NOT induce vomiting. Aspiration Hazard: Product may be inhaled into lungs if vomited. Swallowing a small quantity of this material will result in serious health hazards. The lethal dose in humans is estimated to be 100mL (3 oz).

Inhalation: Remove to fresh air. Restore and/or support breathing as required. Keep victim warm and at rest.

Symptoms/injuries after inhalation: May cause irritation of the nose and throat. High concentrations may cause acute central nervous system depression characterized by headaches. Dizziness, nausea and confusion.

Symptoms/injuries after skin contact: Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

Symptoms/injuries after eye contact: Causes serious eye irritation

Symptoms/injuries after ingestion: May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

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### Note to Physicians:
Treat symptomatically

### Special Precautions/Procedures:
This product contains methanol which can cause intoxication and depression of the central nervous system. Methanol is metabolized to formic acid and formaldehyde. These metabolites can cause metabolic acidosis, visual disturbances and blindness. Since metabolism is required for these toxic symptoms, their onset may be delayed from 6 to 30 hours following ingestion.

### SECTION 5  FIRE-FIGHTING MEASURES

**Extinguishing Media:**
- ABC powder, foam, dry powder, carbon dioxide, sand.

**Unsuitable extinguishing Media:**
Do not use a heavy water stream. May spread fire.

**Unusual Fire or Explosion Hazards:**
Flammable liquid and vapor. Vapors are heavier than air and may travel along the ground or may be moved by ventilation. Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

**Fire-Fighting Instructions:**
- Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire.
- Prevent fire-fighting water from entering environment.

**Fire-Fighting Equipment:**
- Wear positive pressure self-contained breathing apparatus (SCBA).
- Protective fire fighting clothing (includes fire-fighting helmet, coat, pants, boots and gloves.)

### SECTION 6  ACCIDENTAL RELEASE MEASURES

**General measures:**
Remove ignition sources. Use special care to avoid static electric charges. Do not breathe vapor or mist. Wear appropriate respirator when ventilation is inadequate.

**Emergency procedures Non-emergency personnel:**
Evacuate unnecessary personnel. Keep upwind. Mark the danger area

**Emergency responders:**
Equip cleanup crew with proper protection. Ventilate area. Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

**For containment:**
Contain released substance, pump into suitable containers. Dam up the liquid spill. Plug the leak, cut off the supply. Try to reduce evaporation. Take account of toxic/corrosive precipitation water. Dilute combustible/toxic gases/vapors with water spray.

**Methods for cleaning up:**
Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.

### SECTION 7  HANDLING AND STORAGE

**Additional hazards when processed:**
In use, may form flammable vapor-air mixture.

**Precautions for safe handling:**
- Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor.
- Hygiene measures: Wash contaminated clothing before reuse.

**Technical measures:**
- Use explosion-proof electrical, lighting, ventilating equipment. Ground/bond container and receiving equipment. Proper grounding procedures to avoid static electricity should be followed.

**Storage conditions:**
Keep only in the original container in a cool, well ventilated place away from: Heat sources, hot surfaces, open flames, sparks. Keep container closed when not in use. Do not store near food, foodstuffs, drugs or potable water supplies.

**Incompatible products:**
Keep away from strong acids, strong bases and oxidizing agents.

**Incompatible materials:**
Sources of ignition.
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SECTION 8  EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters
USA ACGIH  ACGIH TWA (ppm) - 200.00 ppm (Skin)
USA ACGIH  ACGIH STEL (ppm) - 250.00 ppm (Skin)
USA ACGIH  Remark (ACGIH) - Headache; eye damage; dizziness; nausea
USA ACGIH  OSHA PEL (TWA) (mg/m³) - 260.00 mg/m³ (Skin)
USA OSHA  OSHA PEL (TWA) (ppm) - 200.00 ppm (Skin)

Personal protection:  Avoid all unnecessary exposure. Wear gloves and safety glasses.

Respiratory Protection:  In case of inadequate ventilation wear respiratory protection. Wear appropriate mask.
Eye Protection:  Chemical type goggles, safety glasses or face shield optional.
Skin and body protection:  Wear suitable protective clothing.
Safety Stations:  Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.
Comments:  Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking and smoking, using the toilet, or applying cosmetics.

SECTION 9  PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:  Clear blue liquid with an alcohol odor
Relative evaporation rate (butylacetate=1):  Greater than n-butyl acetate
Boiling Point:  177-181 º F
Freezing/Melting Point:  No data available
Flash Point:  94 ºF
Auto-ignition temperature:  No data available
Decomposition temperature:  No data available
Flammability (solid, gas):  Do data available
Specific Gravity:  0.96 @ 20 ºC
Vapor Density at 20 ºC:  Heavier than air
Solubility in Water (% by wt):  100%
Vapor Pressure:  43 mm Hg @ 20 ºC
Viscosity SUS @ 100°F:  Less than 20cst
Explosive limits:  6-36 vol %
VOC content:  < 33.00 vol %
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SECTION 10 STABILITY AND REACTIVITY

Stability: Stable
Polymerization: Does not occur

Chemical Incompatibilities: Normally unreactive, but try to avoid strong oxidizers, strong acids and strong bases at high temperatures.

Conditions to Avoid:
Incompatible materials: Sources of ignition
Hazardous decomposition products:

SECTION 11 TOXICOLOGICAL INFORMATION

Acute toxicity:
Oral: Harmful if swallowed. Dermal: toxic in contact with skin. Inhalation: dust, mist: harmful if inhaled.

Skin corrosion/irritation: Not classified
Serious eye damage/irritation: Not classified
Respiratory or skin sensitization: Not classified
Germ cell mutagenicity: Not classified
Carcinogenicity: Not classified
Reproductive toxicity: Not classified
Specific target organ toxicity (single exposure): Causes damage to organs (May cause blindness if swallowed.)
Specific target organ toxicity (repeated exposure): Not classified
Aspiration hazard: Not classified

Symptoms/injuries after inhalation:
May cause irritation of the nose and throat. High concentrations may cause acute central nervous system depression characterized by headaches, dizziness, nausea and confusion.

Symptoms/injuries after skin contact:
Prolonged exposure to skin may cause skin irritation experienced as burning, dryness, cracking and redness.

Symptoms/injuries after eye Contact:
May cause severe irritation.

Symptoms/injuries after ingestion:
May cause nausea, abdominal pain, headache, shortness of breath, visual impairment and blindness. Severe poisoning can lead to coma and death.

Chronic symptoms:
ON CONTINUOUS/REPEATED EXPOSURE/CONTACT: red skin, dry skin, skin rash/inflammation, headache, feeling of weakness, disturbed tactile sensibility, visual disturbances, sleeplessness, gastrointestinal complaints, cardiac and blood circulation effects.

SECTION 12 ECOLOGICAL INFORMATION

Effect on ozone layer: No known effect on the ozone layer
Effect on global warming: No known ecological damage caused by this product
Other information:
Avoid release to the environment
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SECTION 13  DISPOSAL CONSIDERATIONS

Waste Disposal Method:
Dispose of waste in accordance with Federal, State and local laws.

Disposal Regulatory Requirements:
Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classifications).

Container Cleaning and Disposal:
Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

Ecology - waste materials:
Avoid release to the environment.

SECTION 14  TRANSPORT INFORMATION

Transport document description:
UN1230 Flammable liquids, n.o.s. Methanol, 3, III

DOT Proper Shipping Name:
Flammable liquids, n.o.s., methanol

Shipping Symbols:
G-Identifies PSN requiring a technical name

Hazard Class:
3-Class 3 – Flammable and combustible liquid 49 CFR 173.120

Packing Group:
III - Minor Danger

Label:
3-Class 3 Flammable liquid

Special Provisions (172.102):
Not applicable

Bulk shipments

DOT Proper Shipping Name:
Flammable liquids, n.o.s., methanol

UN Number:
UN 1230

Label Requirement:
Class 3, UN 1230

SECTION 15  REGULATORY INFORMATION

US Federal Regulations
EPA TSCA Regulatory Flag:
Toxic Substances Control Act (TSCA): The intentional ingredients of this product are listed.

Sara Section 302 Threshold Planning Quantity (TPQ):
None

SARA Section 311/312 Hazard Classes:
Delayed (chronic) health hazard
Fire Hazard
Immediate (acute) health hazard

SARA Section 313 Emission reporting:
33% (Methanol CAS #67-56-1)
Listed on the SU TSCA inventory
Listed on US SARA Section 313
RQ (Reportable quantity, section 304 os EPA’s List of Lists) - 5000 lbs

International Regulations
Canada:
All components listed on both TSCA (USA) and DSL (Canada) inventory.

CANADIAN WHMIS CLASSIFICATION:
Class B, Division 2 - Flammable Liquid
Class D, Division 1, Subdivision A (A toxic material causing other chronic effects)
PERFORMANCE Windshield Washer Solvent
PREMIXED WINDSHIELD WASHER FLUID (-20°F)
PREMIXED METHANOL SOLUTION WITH DYE

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Classification according to Regulation (EC) No. 1272/2008 {CLP}

Classification according to Directive 61/548/EEC {DSD} or 1999/45/EC {DPD}

US State Regulations
California: Proposition 65 - Developmental Toxicity - YES
Massachusetts: Right To Know List
New Jersey: Right To Know Hazardous Substance List
Pennsylvania: Right To Know List

SECTION 16 OTHER INFORMATION

Full text of H-phrases:

Acute Tox. 3 (Dermal): Acute toxicity (dermal), Category 3
Acute Tox. 3 (Inhalation): Acute toxicity (Inhal), Category 3
Acute Tox. 3 (Oral): Acute toxicity (oral), Category 3
Acute Tox. 4 (Inhalation: dust, mist): Acute toxicity (inhalation: dust, mist), Category 4
Acute Tox. 4 (Oral): Acute toxicity (oral), Category 4
Flam Liq. 2: Flammable liquids, Category 2
STOT SE 1: Specific target organ toxicity - Single exposure, Category 1
H225: Highly flammable liquid and vapor
H301: Toxic if swallowed
H302: Harmful if swallowed
H311: Toxic in contact with skin
H331: Toxic if inhaled
H332: Harmful if inhaled
H370: Causes damage to organs

NFPA health hazard: 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.
NFPA fire hazard: 3 - Liquids and solids that can be ignited under almost all ambient conditions.
NFPA reactivity: 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

HMIS III Rating
Health: 2 - Moderate Hazard - Temporary or minor injury may occur
Flammability: 2 - Moderate Hazard
Physical: 0 - Minimal Hazard
Personal Protection: A

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