

# GENERAL MOTORS CORPORATION MATERIAL SAFETY DATA SHEET

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(P) **ENGINE COOLANT SUPPLEMENT**  
3634821

**SECTION 0 - EFFECTIVE DATE**

- 1 -> Effective Date: 01/02/90
- 2 -> MSDS signed by: Not Provided
- 3 -> Title: Not Provided

**SECTION 1 - SHIPPING INFORMATION**

- 1 -> Chemical Family: Not Provided
- 2 -> Formula: Not Provided
- 3 -> UNID #523028
- INSEALATOR INC
- DUNS Account #: 01-124-0196
- Emergency telephone #: 313/634-8278
- 720 W ROSE ST
- P.O. BOX 187
- HOLLY, MI 48442

Shipping Name:  
Hazard Class:  
UN Code:  
Flash Point: N/A

**SECTION 2 - INGREDIENTS**

CAS#	Formulation	Chemical Name
989911893	= 80.6%	GINGER
989926766	= 8%	ALMOND SHELL
000458377	= 4.5%	Turmeric
006132021	= 6%	Carbonic acid disodium salt, decahydrate

**SECTION 3 - PHYSICAL DATA**

- 1 -> Boiling Point: N/A
- 2 -> Specific Gravity: N/A
- 3 -> Vapor Pressure: N/A
- 4 -> % Volatile by Volume: N/A
- 5 -> % Solid by Weight: Not Provided
- 6 -> Vapor Density: N/A
- 7 -> Evaporation Rate: N/A
- 8 -> Solubility in H<sub>2</sub>O: A PORTION OF THE MATERIAL DISSOLVES IN WATER. THE INSOLUBLE MATERIAL REMAINS AS SUSPENDED SOLIDS.
- 9 -> pH: Not Provided
- 10 -> Appearance & Odor: CHOCOLATE COLORED POWDER
- 11 -> State: POWDER

**SECTION 4 - FIRE AND EXPLOSION DATA**

- 1 -> Flammable Limits - LEL: N/A
- 2 -> Flammable Limits - UEL: TREAT AS A CLASS A FIRE. USE WATER, FOAM, OR MULTIPURPOSE DRY CHEMICAL
- 3 -> Extinguishing Media: WATER FOG, DRY CHEMICAL CO<sub>2</sub>
- 4 -> Special Fire Fighting Procedures: WEAR A SELF-CONTAINED BREATHING APPARATUS TO PROTECT AGAINST OXYGEN DEFICIENCY AND TOXIC GASES WHICH MAY BE FORMED AS THE MATERIAL BURNS. THE MATERIAL IS STRONGLY ALKALINE. IMPERVIOUS CLOTHING SHOULD BE WORN BY FIREFIGHTERS.
- 5 -> Unusual Fire & Explosion Hazards: THE RESIDUE FROM ANY FIRE INVOLVING THE MATERIAL WILL BE STRONGLY ALKALINE

**SECTION 5 - HEALTH HAZARD DATA**

- 1 -> Effects of Overexposure: ACUTE AND CHRONIC EYE CONTACT MAY CAUSE SEVERE EYE IRRITATION OR BURNS. SKIN CONTACT MAY CAUSE SKIN IRRITATION. PROLONGED SKIN CONTACT MAY CAUSE MORE SERIOUS SKIN DISORDERS. INHALATION OF DUST MAY CAUSE RESPIRATORY TRACT IRRITATION AND CHEMICAL PNEUMONIA. IF SWALLOWED, MAY CAUSE GASTROINTESTINAL DISTURBANCES. CARCINOGENICITY: NTP, NO. IARC, NO. OSHA. NO SIGNS AND SYMPTOMS. EYES: IRRITATION, PAIN, REDDENING AND SWELLING. SKIN: IRRITATION, ITCHING, PAIN, REDDENING, AND SWELLING OF AFFECTED SKIN. INHALATION: IRRITATION AND PAIN OF THE THROAT AND UPPER RESPIRATORY TRACT, COUGHING, DIFFICULTY BREATHING AND FLU-LIKE SYMPTOMS. INGESTION: GASTROINTESTINAL DISTRESS AND NAUSEA. MEDICAL CONDITIONS GENERALLY AGGRAVATED: PEOPLE WITH PRE-EXISTING RESPIRATORY PROBLEMS SUCH AS ASTHMA AND EMPHYSEMA SHOULD AVOID THE INHALATION OF IRRITATING DUSTS.
- 2 -> Threshold Limit Value: NUISANCE DUSTS: 10 MG/M<sup>3</sup>
- 3 -> Permissible Exposure Limit: NUISANCE DUSTS: 15 MG/M<sup>3</sup>
- 4 -> Other limit: Not Provided
- 5 -> Primary routes of entry: INHALATION, SKIN CONTACT, INGESTION
- 6 -> Emergency First Aid Procedures: STANDARD PROCEDURES

**SECTION 6 - REACTIVITY DATA**

- 1 -> Stable: Not Provided
- 2 -> Conditions to Avoid: N/A
- 3 -> Incompatible Materials: STRONG OXIDIZING AGENTS, ALUMINUM POWDER, AMMONIA, AND ACIDS
- 4 -> Hazardous Decomposition Products: CARBON MONOXIDE AND CARBON DIOXIDE WILL BE PRODUCED IF THE MATERIAL BURNS
- 5 -> Can Hazardous Polymerization Occur: N/A
- 6 -> Conditions to Avoid: N/A

**SECTION 7 - SPILL OR LEAK PROCEDURES**

- 1 -> Steps to be taken in case material is released or spilled: SWEEP UP SPILLED MATERIAL - MINIMIZE DUSTING
- 2 -> Waste Disposal Method: DISPOSE OF IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL LAWS.
- 3 -> CERCLA (Superfund) Reportable quantity (lbs): Not Provided
- 4 -> RCRA Hazardous Waste No. (40 CFR 261.33): Not Provided
- 5 -> Volatile Organic Compound (VOC) Theoretical: Not Provided
- 6 -> Volatile Organic Compound (VOC) Analytical: Not Provided

**SECTION 8 - SPECIAL PROTECTION INFORMATION**

- 1 -> Respiratory Protection: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. USE A NIOSH APPROVED DUST RESPIRATOR IF THE AIRBORNE DUST CONCENTRATION EXCEEDS THE OSHA PEL FOR NUISANCE DUSTS.
- 2 -> Local Exhaust: NOT REQUIRED UNDER NORMAL CONDITIONS OF USE. VENTILATE IF NEEDED TO MAINTAIN THE AIRBORNE DUST CONCENTRATION AT OR BELOW THE OSHA PEL FOR NUISANCE DUSTS.
- 3 -> Special: Not Provided
- 4 -> Mechanical: Not Provided
- 5 -> Other: Not Provided
- 6 -> Protective Gloves (Specify type): USE IMPERVIOUS RUBBER GLOVES TO PREVENT SKIN CONTACT
- 7 -> Eye Protection (Specify type): USE CHEMICAL SPLASH GOGGLES OR A FULL FACE SHIELD TO PREVENT EYE CONTACT
- 8 -> Other Protective Equipment: IF CONTACT IS UNAVOIDABLE, USE OTHER IMPERVIOUS PROTECTIVE CLOTHING. WORK/HYGIENIC/MAINTENANCE PRACTICES. WASH HANDS AFTER USE. LAUNDRY CONTAMINATED CLOTHING.

**SECTION 9 - SPECIAL PRECAUTIONS**

- 1 -> Precautions to be taken in Handling & Storage: DO NOT STORE NEAR INCOMPATIBLE MATERIALS OR SOURCES OF HEAT
- 2 -> Other Precautions: N/A