

GENERAL MOTORS CORPORATION MATERIAL SAFETY DATA SHEET

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(P) **REFRIGERANT 12**

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SECTION 0 - EFFECTIVE DATE

- 1 ->Effective Date: 102887
- 2 ->MSDS signed by: CARL STRATEMEIER
- 3 ->Title: VICE PRESIDENT

SECTION 1 - SHIPPING INFORMATION

- 1 ->Chemical Family: Not Provided
 - 2 ->Formula: Not Provided
MID: #537072
AIROSOL CO INC
Emergency telephone #: 316/325-2667
525 NORTH 11TH ST
NEODESHA, KS 66757
- Shipping Name: DICHLORODIFLUOROMETHANE(R-12)
Hazard Class: Non-Flammable Gas
U.N. Code: UN1028
Flash Point: N/A

SECTION 2 - INGREDIENTS

CAS#	Formulation	Chemical Name
000075718	= 100%	Methane, dichlorodifluoro-

SECTION 3 - PHYSICAL DATA

- 1 ->Boiling Point: -21.6
- 2 ->Specific Gravity: 1.325
- 3 ->Vapor Pressure: 20C @ 60F
- 4 ->% Volatile by Volume: Not Provided
- 5 ->% Solid by Weight: Not Provided
- 6 ->Vapor Density: N/A (NOT APPLICABLE)
- 7 ->Evaporation Rate: Not Provided
- 8 ->Solubility in H2O: 0.03
- 9 ->pH: Not Provided
- 10 ->Appearance & Odor: COLORLESS, LIQUIFIED COMPRESSED GAS, FAINT ETHEREAL ODOR.
- 11 ->State: GAS

SECTION 4 - FIRE AND EXPLOSION DATA

- 1 ->Flammable Limits - LEL: N/A
- 2 ->Flammable Limits - UEL: N/A
- 3 ->Extinguishing Media: N/A
- 4 ->Special Fire Fighting Procedures: N/A
- 5 ->Unusual Fire & Explosion Hazards: ON HEATING TO DECOMPOSITION, MAY PRODUCE PRODUCTS SUCH AS HALOGEN ACIDS AND PHOSGENE. PRESSURIZED PRODUCT - NON FLAMMABLE.

SECTION 5 - HEALTH HAZARD DATA

- 1 ->Effects of Overexposure: CONTACT WITH OPEN FLAME. MAY CAUSE SHORTNESS OF BREATH, LIGHT HEADEDNESS, OR FROSTBITE.
- 2 ->Threshold Limit Value: Not Provided
- 3 ->Permissible Exposure Limit: Not Provided
- 4 ->Other limit: Not Provided
- 5 ->Primary routes of entry: INHALATION, SKIN CONTACT
- 6 ->Emergency First Aid Procedures: FOR INHALATION, REMOVE FROM CONTAMINATED AREA. GIVE ARTIFICIAL RESPIRATION AND OXYGEN IF BREATHING STOPS. GET MEDICAL ATTENTION, IF NEEDED, FOR ALL OVEREXPOSURES.

SECTION 6 - REACTIVITY DATA

- 1 ->Stable: Not Provided
- 2 ->Conditions to Avoid: Not Provided
- 3 ->Incompatible Materials: Not Provided
- 4 ->Hazardous Decomposition Products: Not Provided
- 5 ->Can Hazardous Polymerization Occur: Not Provided
- 6 ->Conditions to Avoid: Not Provided

SECTION 7 - SPILL OR LEAK PROCEDURES

- 1 ->Steps to be taken in case material is released or spilled: STORE IN WELL-VENTILATED DRY AREA (BELOW 125F); CONTACT WITH FLAMES OR HIGH HEAT SHOULD BE AVOIDED. VENTILATE AREA, ESPECIALLY LOW PLACES WHERE VAPOR MIGHT COLLECT.
- 2 ->Waste Disposal Method: DISPOSE OF ALL WASTES IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- 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: USE SELF-CONTAINED BREATHING APPARATUS, IF NEEDED.
- 2 ->Local Exhaust: TO REDUCE CONCENTRATION.
- 3 ->Special: Not Provided
- 4 ->Mechanical: N/A
- 5 ->Other: Not Provided
- 6 ->Protective Gloves (Specify type): RUBBER GLOVES.
- 7 ->Eye Protection (Specify type): MONOGOGGLES.
- 8 ->Other Protective Equipment: N/A

SECTION 9 - SPECIAL PRECAUTIONS

- 1 ->Precautions to be taken in Handling & Storage: Not Provided
- 2 ->Other Precautions: Not Provided

LARRY
AT
Glow
Co.
School

SECTION VIII — DISPOSAL INFORMATION

AQUATIC TOXICITY: N/A

SPILL, LEAK OR RELEASE: Stop any leaks, barricade larger spills. Use inert absorbent material such as diatomaceous earth, sand, clay or vermiculite for cleanup. Comply with Federal, State and local regulations for reporting releases.

WASTE DISPOSAL: Comply with Federal, State and local regulations on waste disposal.

SECTION IX — SHIPPING & TRANSPORTATION DATA

SHIPPING CONTAINERS: N/A

STORAGE CONDITIONS: Avoid exposure to heat and flame. Protect against eye and skin contact. Wash thoroughly after handling.

Unregulated by DOT: X

Regulated by DOT:

Transportation Emergency Information _____

US DOT Proper Shipping Name: N/A

US DOT Hazard Class: N/A

US DOT Placard: N/A

US DOT Label Required: N/A

Reportable Quantity: N/A

Identification No.: N/A

Freight Classification: Petroleum Oil NOIBN

Special Transportation Notes: N/A

SECTION X — ADDITIONAL INFORMATION

NPCA - HMIS RATINGS: Health 1

Flammability 0

Personal Protection _____

Reactivity 0

Personal Protection rating to be supplied by user depending on use conditions.

SARA / TITLE III HAZARD CATEGORIES AND LISTS:

Product Hazard Categories:

Chronic Health -

Acute Health -

Fire Hazard -

Pressure Hazard -

Reactivity Hazard -

Lists:

Extremely Hazard Substance -

CERCLA Hazard Substance -

Toxic Chemicals -

Product manufacture MSDS on file.

DATE OF LATEST REVISION/REVIEW: 03/09/89

PERSON RESPONSIBLE FOR MSDS:

B-V Associates

Paul G. Tietze

49640 Martin Drive


Wixom, MI 48096

(212) 605-3908

COMMENTS:

Ref. Original MSDS from vendor (Witco) on file for Suniso 5GS oil.

Signature _____



Title _____



Revision Date: 08/07/89

Supersedes _____

Sent to ATTN: _____

Date _____

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