

**Global Parts Order Processing
Material Safety Data Sheet
SELKIRK CHRYSLER (MB) LTD.**

March 14, 2013
15:20

C H R Y S L E R
HAZARD COMMUNICATION SHEET

167913
EFFECTIVE DATE : 08/11/00

PART/COMMTY CD: 0VU01535
SUPPLIER: 09303 MFGR: 03500
STANDARD: N/AV

*** SECTION 01 - PRODUCT INFORMATION ***

MFG BY: PART SALES & SERVICE CHRYSLER
26311 LAWRENCE AVE CENTERLINE MI 48015
EMERGENCY PHONE: 248-512-8002 AFTER HOURS: 248-576-8888
DIST BY: PART SALES & SERVICE CHRYSLER
26311 LAWRENCE AVE CENTERLINE MI 48015
EMERGENCY PHONE: 248-512-8002 AFTER HOURS: 248-576-8888
CHRYSLER INDUSTRIAL HYGIENE: 248-512-8260 AFTER HOURS: 248-576-8888
BRAND NAME: VU01535 FUEL SYSTEM CLEANER
MFG ID : VU01535 00000946
DESCRIPTION: CLEANER-POWERTRAIN
PRODUCT IDENTIFICATION NUMBER(PIN): UN1950

*** SECTION 02 - INGREDIENTS ***

HAZARDOUS INGREDIENTS: PERCENT CHRYSLER
COMM NAME / CAS NO & CHEM NAME: BY WGT TWA STEL CEIL UNITS NOTATIONS

EXISTING INGREDIENTS

AROMATIC SOLVENT 100	10-30	50	400	N/AP	PPM	
064742-95-6 SOLVENT NAPHTHA, PETRO	LD50: N/AV		N/AV	N/A	N/A	
IDLH: 1100 PPM	LC50: N/AV		N/AV	N/A	N/A	
METHYL ISOBUTYL CARBINOL	5-10	25	40	N/AP	PPM	S
000108-11-2 2-PENTANOL, 4-METHYL-	LD50: 2590.000MG/KG		ORL	RAT		
IDLH: 400 PPM	LC50: N/AV		N/AV	N/A	N/A	
AMMONIUM HYDROXIDE ((NH4)(OH))	1-5	25	N/AV	N/AV	PPM	
001336-21-6 AMMONIUM HYDROXIDE ((N	LD50: 350.000MG/KG		ORL	RAT		
IDLH: N/AV	LC50: N/AV		N/AV	N/A	N/A	
DISTILLATES (PETROLEUM), HYDROTRE	1-5	5	10	N/AP	MG/M3	
064742-52-5A DISTILLATES (PETROLEUM	LD50: 22.000GM/KG		ORL	MUS		
IDLH: N/AP	LC50: N/AV		N/AV	N/A	N/A	
OLEIC ACID	1-5	N/AP	N/AP	N/AP	N/AP	
000112-80-1 9-OCTADECENOIC ACID (Z	LD50: 74.000GM/KG		ORL	RAT		
IDLH: N/AP	LC50: N/AV		N/AV	N/A	N/A	
NITROGEN GAS	1-5	N/AP	N/AP	N/AP	N/AP	
007727-37-9 NITROGEN (8CI9CI)	LD50: N/AV		N/AV	N/A	N/A	
IDLH: N/AP	LC50: N/AV		N/AV	N/A	N/A	

GENERIC DESC: MIXTURE(S) OF THE FOLLOWING: PETROLEUM DISTILLATE(S) AND
PROPELLANT.

FOR EXPLANATION OF "NOTATIONS", SEE THE HAZARD COMMUNICATION SHEET
EXPLANATIONS PAGE.

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CONSULT LOCAL AUTHORITIES FOR ACCEPTABLE EXPOSURE LIMITS.

*** SECTION 03 - PHYSICAL DATA ***

BOILING POINT : N/AP SOLUB IN WATER: N/AP
VAPOR PRESSURE: N/AP MM HG AT EVAP. RATE: N/AP REF: N/AP
VAPOR DENSITY : > 1.000 AT SPECIFIC GRAVITY: 0.800 AT 15 C
PH AT FULL STRENGTH: N/AP PH AT REC. DILUT: N/AP
%VOLATILE BY VOL : 78.0 VOLATILE ORGANIC COMP: N/AV N/AV
ODOR THRESHOLD: N/AP PPM FOR % POPULATION
FREEZING POINT: N/AV COEFF. OF WATER/OIL DIST: N/AP
APPEARANCE & ODOR: FORM: SPRAY OR AEROSOL..... COLOR: YELLOW..... ODOR:
PETROLEUM..... OR ODOR: AMMONIA.....

*** SECTION 04 - FIRE AND EXPLOSION DATA ***

FLASH POINT: < 3 C N/AV IGN TEMP: N/AP LEL: N/AV UEL: N/AV

SPECIAL FIRE & EXPLOSION HAZARDS:

KEEP CONTAINERS TIGHTLY CLOSED. ISOLATE FROM HEAT, ELECTRICAL EQUIPMENT, SPARKS AND OPEN FLAME. CLOSED CONTAINER MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. APPLICATION TO HOT SURFACES REQUIRES SPECIAL PRECAUTIONS. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR CONTAINER (EVEN EMPTY) BECAUSE PRODUCT (OR RESIDUE) CAN IGNITE EXPLOSIVELY. CONTENTS UNDER PRESSURE. MAY EXPLODE IF EXPOSED TO HEAT OR FLAME.

EXTINGUISHING MEDIA:

LARGE FIRE-WATER FOG OR ALCOHOL FOAM. SMALL FIRE-CARBON DIOXIDE OR DRY CHEMICAL.

SPECIAL FIREFIGHTING PROCEDURES:

AVOID BREATHING VAPOR OR FUMES. USE SELF-CONTAINED BREATHING APPARATUS. USE PROTECTIVE CLOTHING. EVACUATE PERSONNEL FROM AREA. REMOVE CONTAINERS FROM FIRE AREA IF POSSIBLE. IF CERTAIN THAT CONTAINERS REMAIN SEALED, WATER MAY BE USED TO COOL FIRE EXPOSED CONTAINERS.

FLAMMABILITY CONDITIONS:

MAY IGNITE WHEN EXPOSED TO HEAT OR OPEN FLAME.

SENSITIVE TO MECHANICAL IMPACT?: YES SENSITIVE TO STATIC DISCHARGE?: N/AV

HAZARDOUS COMBUSTION PRODUCTS:

OXIDES OF NITROGEN, OXIDES OF SULFUR, OXIDES OF PHOSPHORUS, CARBON MONOXIDE AND CARBON DIOXIDE.

FLAME PROJECTION: N/AV

FLAMMABILITY: YES

*** SECTION 05 - REACTIVITY DATA ***

STABILITY: STABLE

CONDITIONS TO AVOID:

HIGH TEMPERATURE, SPARKS OR OPEN FLAME.

MATERIALS TO AVOID:

STRONG OXIDIZING AGENTS.

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HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

POLYMERIZATION CONDITIONS TO AVOID:

POLYMERIZATION WILL NOT OCCUR.

HAZARDOUS DECOMPOSITION PRODUCTS:

THERMAL DECOMPOSITION MAY PRODUCE THE FOLLOWING: OXIDES OF NITROGEN, OXIDES OF SULFUR, OXIDES OF PHOSPHORUS, CARBON MONOXIDE AND CARBON DIOXIDE.

*** SECTION 06 - TOXICOLOGICAL PROPERTIES ***

EFFECTS OF OVEREXPOSURE-ACUTE & CHRONIC:

<----INHALATION----> ACUTE EXPOSURE TO HIGH CONCENTRATIONS-MAY PRODUCE THE FOLLOWING: IRRITATION OF UPPER RESPIRATORY TRACT AND/OR ACUTE NERVOUS SYSTEM DEPRESSION CHARACTERIZED BY HEADACHE, DIZZINESS, STAGGERING, CONFUSION, UNCONSCIOUSNESS OR COMA. <----SKIN CONTACT----> COMPONENT(S)-MAY BE ABSORBED THROUGH SKIN. PROLONGED CONTACT MAY PRODUCE THE FOLLOWING: MINOR IRRITATION TO SLIGHT BURNING OF SKIN. DEFATTING AND DRYING OF SKIN. SKIN RASH. <----EYE CONTACT----> DIRECT CONTACT MAY PRODUCE THE FOLLOWING: IRRITATION AND TEARING. <----INGESTION----> MAY BE HARMFUL IF SWALLOWED. MAY CAUSE UPSET STOMACH, NAUSEA, VOMITING AND DIARRHEA. VOMITING MAY PRODUCE THE FOLLOWING: ASPIRATION (GOING DOWN THE WRONG PIPE INTO THE WINDPIPE) MAY CAUSE THE FOLLOWING: CHEMICAL PNEUMONITIS (AN INFLAMMATION OF THE LUNGS SIMILAR TO PNEUMONIA, WHICH IS CAUSED BY GETTING THE LIQUID FORM OF A CHEMICAL INTO THE LUNGS) SEE SYMPTOMS FOR INHALATION.

TOXICOLOGICALLY SYNERGISTIC PRODUCTS:

PRODUCT LD50: N/AV	N/AV	N/AV	N/AV
PRODUCT LC50: N/AV	N/AV	N/AV	N/AV

*** SECTION 07 - PREVENTIVE MEASURES ***

RESPIRATORY PROTECTION:

NO SPECIAL PROTECTION NEEDED UNDER NORMAL CONDITIONS. IF THE ALLOWABLE LIMIT OF THE PRODUCT OR ANY COMPONENT IS EXCEEDED, USE THE FOLLOWING:
AIR-SUPPLIED RESPIRATOR.

VENTILATION TYPE:

GOOD GENERAL VENTILATION. TO MAINTAIN THE TLV, THE FOLLOWING MAY BE NEEDED:
LOCAL EXHAUST VENTILATION.

PROTECTIVE GLOVES:

RECOMMENDED. FOR DIRECT SKIN CONTACT WITH PRODUCT USE THE FOLLOWING:
NITRILE RUBBER GLOVES OR NEOPRENE GLOVES.

EYE PROTECTION:

RECOMMENDED. SAFETY GLASSES WITH SIDE SHIELDS, USE CHEMICAL GOGGLES OR FACESHIELD UNDER NORMAL CONDITIONS. USE BOTH CHEMICAL GOGGLES AND FACESHIELD IF LIKELY TO BE SPLASHED.

OTHER PROTECTIVE EQUIP:

TO AVOID PROLONGED SKIN CONTACT, USE THE FOLLOWING: BOOTS (SAME MATERIAL AS GLOVES), CLOTHING (SAME MATERIAL AS GLOVES) OR APRON (SAME MATERIAL AS GLOVES) AND WEAR LONG SLEEVES. PREVENT PROLONGED SKIN CONTACT WITH

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CONTAMINATED CLOTHING. WASH CONTAMINATED CLOTHING BEFORE REUSE. A SAFETY SHOWER MAY BE NEEDED FOR EMERGENCY SITUATIONS. AN EYE WASH MAY BE NEEDED FOR EMERGENCY SITUATIONS.

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

WEAR PROTECTIVE CLOTHING. PROVIDE ADEQUATE VENTILATION. EVACUATE PERSONNEL NOT EQUIPPED WITH PROTECTIVE CLOTHING AND EQUIPMENT. ELIMINATE ALL IGNITION SOURCES (FLAMES, HOT SURFACES AND ELECTRICAL, STATIC OR FRICTIONAL SPARKS). SHUT OFF SOURCE OF LEAK IF POSSIBLE. LARGE SPILL-CONTAIN WITH DIKE. PUMP INTO SALVAGE TANK. RESIDUE-ABSORB ON A SUITABLE MEDIUM. DISPOSE OF WASTE IN A CLOSED HALF-FILLED CONTAINER. DO NOT MIX WITH OTHER WASTE OR SUBSTANCES. ADVISE AUTHORITIES IF PRODUCT HAS ENTERED OR MAY ENTER SEWERS, WATERCOURSES OR EXTENSIVE LAND AREAS.

WASTE DISPOSAL METHODS:

DO NOT INCINERATE CLOSED CONTAINERS. DISPOSE OF IN A MANNER CONSISTENT WITH STATE, PROVINCIAL, LOCAL, AND FEDERAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE:

COMBUSTIBLE. STORE IN A COOL, DRY PLACE. KEEP FROM HEAT, SPARK OR OPEN FLAMES. DO NOT FREEZE. STORE AT TEMPERATURE BELOW 95 F (35 C). STORE ABOVE 40 F (4 C). USE WITH ADEQUATE VENTILATION. STORE AWAY FROM DIRECT SUNLIGHT. STORE SEPARATE FROM INCOMPATIBLE MATERIALS. REACTS WITH OXIDIZERS. CONTENTS ARE UNDER PRESSURE. DO NOT PUNCTURE, DROP OR SLIDE CONTAINERS. DO NOT INCINERATE. DO NOT CUT EMPTY CONTAINER WITH A TORCH. PRODUCT TENDS TO MAKE SURFACES, SUCH AS FLOORS, SLIPPERY.

OTHER PRECAUTIONARY MEASURES:

AVOID BREATHING MIST. AVOID BREATHING VAPOR. AVOID SKIN CONTACT. AVOID EYE CONTACT. AVOID INGESTION. DO NOT SMOKE OR EAT WHEN HANDLING THIS SUBSTANCE; WASH THOROUGHLY AFTER USING. REMOVE CONTAMINATED CLOTHING AND LAUNDRER BEFORE REUSE. MAINTAIN GOOD HOUSEKEEPING AND HYGIENIC PRACTICES. HIGH PRESSURE SKIN INJECTION INJURY. HYDROCARBONS WHICH ARE HANDLED IN HIGH PRESSURE GREASE GUNS OR HYDRAULIC LINES MAY BE ACCIDENTALLY INJECTED INTO THE SKIN OR UNDERLYING TISSUE WHERE THEY ARE NOT READILY REMOVED BY BODY FLUIDS AND CAN CAUSE PAIN, RAPID SWELLING, CHEMICAL IRRITATION AND INFECTION. WORKERS SHOULD SEEK SPECIAL MEDICAL ATTENTION. DO NOT PUT CONTAMINATED RAGS IN POCKETS.

*** SECTION 08 - FIRST AID MEASURES ***

EMERGENCY FIRST AID PROCEDURES:

<----INHALATION----> REMOVE TO FRESH AIR AT ONCE. ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. CARDIAC RESUSCITATION IF INDICATED. IF PULMONARY SYMPTOMS DEVELOP, CONSULT A PHYSICIAN. <----SKIN CONTACT----> REMOVE CONTAMINATED CLOTHING. WASH WITH SOAP AND WATER. IF CONDITION PERSISTS, CONSULT A PHYSICIAN. APPLY SKIN CREAM IF DEFATTING OF SKIN OCCURS. <----EYE CONTACT----> REMOVE CONTACT LENSES TO ASSURE COMPLETE FLUSHING. RINSE EYES IMMEDIATELY WITH LARGE AMOUNTS OF WATER, OCCASIONALLY LIFTING BOTH UPPER AND LOWER LIDS. CONTINUE FOR 15 MINUTES. IF CONDITION PERSISTS, CONSULT A PHYSICIAN. <----INGESTION----> DO NOT INDUCE VOMITING-CALL PHYSICIAN

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IMMEDIATELY. IF VOMITING OCCURS, KEEP HEAD BELOW HIPS TO PREVENT LIQUID FROM
SEEPING INTO THE WINDPIPE AND LUNGS.

*** SECTION 09 - PREPARED BY INFORMATION ***

DATA SHEET PREPARED BY:

INDUSTRIAL HYGIENE DEPARTMENT

CHRYSLER

PHONE: 248-512-8260

PREPARED BY: STAFF

REVIEWED BY: CM HOWELL

REVISED BY: PA KUHNHENN