

MATERIAL SAFETY DATA SHEET

PAR-WAY TRYSON COMPANY
107 BOLTE LANE PH: (636) 629-4545
ST. CLAIR, MO 63077 FAX: (636) 629-1330
(8:30-5:00 P.M. CST)

SECTION 1 PRODUCT IDENTIFICATION

PRODUCT NAME: PURICIT STAINLESS STEEL CLEANER
PRODUCT CLASS: AEROSOL STAINLESS STEEL CLEANER
DATE PREPARED: 06/09
ITEM #: 16701

| <u>HIMS RATING</u> | |
|--------------------|---|
| HEALTH | 3 |
| FLAMMABILITY | 4 |
| REACTIVITY | 0 |
| SPECIAL HAZARD | X |

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

* = HAZARDOUS INGREDIENTS (see below)

| <u>INGREDIENT</u> | <u>CAS#</u> | <u>% By weight</u> | <u>OSHA</u> | <u>ACGIH</u> | <u>NIOSH REL</u> |
|---|-------------|--------------------|----------------------|----------------------|------------------|
| DIMETHYLPOLYSILOXANE | 63148-62-9 | < 5% | None | None | None |
| MINERAL OIL, REFINED | 8042-47-5 | < 20% | None | None | None |
| D-LIMONENE | 5989-27-5 | <5% | None | None | None |
| * LIQUIFIED PETROLEUM GAS (CONTAINS BUTANE & PROPANE) | 68476-85-7 | < 15% | 1000 ppm, 1800 mg/m3 | 1000 ppm, 1800 mg/m3 | 1000 ppm TWA |

*- Asterisked ingredients are those considered hazardous according to the criteria of 49CFR 1910.1200. Other ingredients are listed for informational purposes to assist emergency medical response personnel.

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL PROSAR AT 800-296-5473.

SECTION 3 PHYSICAL DATA

BOILING POINT: N/A FREEZING POINT: N/A
VAPOR PRESSURE: < 1 @ 20°C pH: 10.25
VAPOR DENSITY: HEAVIER THAN AIR EVAPORATION RATE: SLOWER THAN ETHER
SPECIFIC GRAVITY: 0.96 SOLUBILITY IN WATER: N/A
APPEARANCE: AEROSOL ODOR: LEMON FRAGRANCE

SECTION 4 EXPOSURE CONTROLS/ PERSONAL PROTECTION

HYGIENIC PRACTICES: DO NOT INHALE VAPORS
AVOID EYE CONTACT
OBSERVE LABEL PRECAUTIONS

ENGINEERING CONTROLS: GOOD GENERAL VENTILATION SHOULD BE SUFFICIENT TO CONTROL AIRBORNE LEVELS. IF GENERAL VENTILATION IS INADEQUATE, SUPPLEMENTAL LOCAL EXHAUST MAY BE REQUIRED. WHERE EXPLOSIVE MIXTURE MAY BE PRESENT, SYSTEMS SAFE FOR SUCH LOCATIONS SHOULD BE USED. OTHER SPECIAL PRECAUTIONS SUCH AS RESPIRATORY PROTECTION, MAY BE REQUIRED IF AIRBORNE CONCENTRATIONS CANNOT BE REDUCED TO BELOW THE ESTABLISHED EXPOSURE LIMITS.

RECOMMENDED EXPOSURE LIMIT: 300PPM TOTAL HYDROCARBON BASED ON COMPOSITION

EYEWASH STATION IS RECOMMENDED.

PERSONAL PROTECTIVE EQUIPMENT:

PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.
RESPIRATOR: RECOMMENDED FOR PROLONGED USE IN CONFINED AREAS WITH POOR VENTILATION.

SECTION 4 EXPOSURE CONTROLS/ PERSONAL PROTECTION (CONT)

GLOVES: APPROPRIATE CHEMICAL RESISTANT GLOVES SHOULD ALWAYS BE WORN.

GOGGLES/FACE SHIELD: CHEMICAL SPLASH GOGGLES OR FACE SHIELD IS RECOMMENDED.

APRON: AS LISTED IN 29CFR1910.132 & 133.

BOOTS: AS LISTED IN 29CFR1910.132 & 133.

SECTION 4 EXPOSURE CONTROLS/ PERSONAL PROTECTION (CONT)

ALL CONTAMINATED PERSONAL PROTECTIVE EQUIPMENT SHOULD BE COLLECTED AND DISPOSED OF ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.

SECTION 5 FIRE AND EXPLOSION DATA

FLASH POINT: FLAMMABLE LIMITS: LEL: 1.8% UEL: 9.5%

EXTINGUISHING MEDIA: WATER FOG OR FINE SPRAY. CARBON DIOXIDE, DRY CHEMICAL FOAM, ALCOHOL RESISTANT FOAMS (ATC TYPE) ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY.

BURNING CAN PRODUCE CARBON MONOXIDE AND/OR CARBON DIOXIDE AND TRACES OF PHOSGENE GAS.

FIRE FIGHTING PROCEDURES AND EXPLOSION HAZARDS:

WEAR POSITIVE –PRESSURE SELF-CONTAINED BREATHING APPARATUS (SCBA) AND PROTECTIVE FIRE FIGHTING CLOTHING. IF PROTECTIVE CLOTHING IS NOT AVAILABLE, FIGHT FIRE FROM A PROTECTED LOCATION OR SAFE DISTANCE.

CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. BURNING LIQUIDS MAY BE MOVED BY FLUSHING WITH WATER TO PROTECT PERSONNEL AND MINIMIZE PROPERTY DAMAGE. BURNING LIQUIDS MAY BE EXTINGUISHED BY DILUTION WITH WATER. **DO NOT USE DIRECT WATER STREAM, MAY SPREAD FIRE.**

MATERIAL IS HIGHLY VOLATILE AND READILY GIVES OFF VAPORS WHICH MAY TRAVEL ALONG THE GROUND AND IGNITED BY PILOT LIGHTS, FLAMES, SPARKS, HEATERS, SMOKING, ELECTRIC MOTORS, STATIC DISCHARGES OR OTHER IGNITION SOURCES DISTANT FROM THE HANDLING POINT.

FIRE AND EXPLOSION HAZARDS: DO NOT SPRAY NEAR OPEN FLAME. KEEP AT ROOM TEMPERATURE. CLOSED CONTAINERS MAY EXPLODE (DUE TO PRESSURE BUILD-UP) WHEN EXPOSED TO EXTREME HEAT.

SECTION 6 REACTIVITY DATA

STABILITY: NORMALLY STABLE

INCOMPATIBILITY: AVOID CONTACT WITH STRONG OXIDIZING AGENTS (INCLUDING BLEACH), STRONG ALKALIES AND STRONG MINERAL ACIDS.

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

HAZARDOUS PRODUCTS OF DECOMPOSITION: CARBON MONOXIDE AND TRACES OF PHOSGENE GAS MAY BE FORMED DURING COMBUSTION.

CONDITION TO AVOID: DO NOT STORE ABOVE 120° F. DO NOT STORE IN DIRECT SUNLIGHT. ISOLATE FROM HEAT, SPARKS, OPEN FLAMES OR ELECTRICAL ARCS. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT.

SECTION 7 HEALTH HAZARD DATA**EMERGENCY OVERVIEW:**

EFFECTS OF OVEREXPOSURE

INHALATION: SHORTNESS OF BREATH, DIZZINESS AND LIGHTHEADEDNESS.

EYES: CAN CAUSE EYE IRRITATION.

SKIN: SLIGHT SKIN IRRITATION, CAN CAUSE DERMATITIS.

INGESTION: MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNG.

PROLONGED EXPOSURE ABOVE THE OSHA PERMISSABLE EXPOSURE LIMITS (PEL) MAY RESULT IN KIDNEY AND LIVER DAMAGE

ACUTE TOXICITY: NOT DETERMINED.

SECTION 7 HEALTH HAZARD DATA (CONT)

EYE CONTACT: CAUSES SEVERE EYE IRRITATION.

OVEREXPOSURE:

D-LIMONENE: MAY CAUSE MILD IRRITATION

LIQUIFIED PETROLEUM GAS: THE GAS PHASE IS NOT EXPECTED TO CAUSE EYE IRRITATION. THE LIQUID PHASE CAN CAUSE FROSTBITE AND BURNS.

DIMETHYL POLYSILOXANE: MAY CAUSE IRRITATION

WHITE MINERAL OIL: NO EVIDENCE OF HARMFUL EFFECTS FROM AVAILABLE INFORMATION

SKIN: PROLONGED OR REPEATED CONTACT MAY CAUSE SKIN IRRITATION OR DERMATITIS.

OVEREXPOSURE

D-LIMONENE: MAY CAUSE IRRITATION. PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN

LIQUIFIED PETROLEUM GAS: CONTACT CAN CAUSE SKIN BURNS AND FROSTBITE.

DIMETHYL POLYSILOXANE: MAY CAUSE MILD IRRITATION.

WHITE MINERAL OIL: HARMFUL EFFECTS ARE NOT EXPECTED FROM SHORT PERIODS OF CONTACT. PROLONGED OR REPEATED CONTACT MAY LEAD TO SKIN IRRITATION BY DERMATITIS OR OIL ACNE.

BREATHING: DIZZINESS, SHORTNESS OF BREATH AND DIZZINESS. HIGH CONCENTRATIONS MAY RESULT IN HEADACHE, DROWSINESS, CNS DEPRESSION.

D-LIMONENE: BREATHING SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARMFUL EFFECTS. BREATHING LARGE AMOUNTS MAY BE HARMFUL.

LIQUIFIED PETROLEUM GAS: THIS PRODUCT IS AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.

DIMETHYL POLYSILOXANE: MAY CAUSE IRRITATION.

WHITE MINERAL OIL: HARMFUL EFFECTS ARE NOT EXPECTED FROM STATIC VAPOR AT AMBIENT TEMPERATURES. INHALATION OF MIST OR SPRAY MAY BE HARMFUL.

CHRONIC EFFECTS: ASPIRATION MAY CAUSE PULMONARY EDEMA OR ASPIRATION PNEUMONIA. OIL DEPOSITS IN THE LUNG MAY LEAD TO FIBROSIS AND REDUCED PULMONARY FUNCTION. PROLONGED OR REPEATED INHALATION OF EXCESSIVE AMOUNTS OF OIL MIST OR VAPORS MAY CAUSE IRRITATION OF THE RESPIRATORY TRACT.

INGESTION: MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNG.

D-LIMONENE: SWALLOWING LARGE AMOUNT MAY BE HARMFUL

DIMETHYL POLYSILOXANE: NO HAZARD EXPECTED BY THIS ROUTE IN NORMAL USE.

WHITE MINERAL OIL: UNLIKELY TO HAVE ANY TOXIC EFFECTS, BUT MAY ACT AS AN INTESTINAL LUBRICANT RESULTING IN DIARRHEA AND FREQUENT LOOSE STOOLS. IF VOMITING OCCURS, MAY CAUSE DELAYED PULMONARY EDEMA AND CHEMICAL PNEUMONIA.

FIRST AID

EYES: IMMEDIATELY FLUSH EYE WITH COOL FLOWING WATER AT LEAST 15 MINUTES. REMOVE CONTACT LENSES IF APPLICABLE, HOLD LIDS OPEN AS IT HELPS PREVENT SCRATCHING AND MINIMIZE IRRITATION.

SEEK MEDICAL ATTENTION IMMEDIATELY.

SKIN: WASH WITH SOAP AND WATER. CONSULT A PHYSICIAN IF IRRITATION DEVELOPS OR PERSISTS. REMOVE CONTAMINATED CLOTHING AND WASH BEFORE REUSE.

INGESTION: IF SWALLOWED **DO NOT INDUCE VOMITING.** IMMEDIATELY DRINK A LARGE QUANTITY OF WATER. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

INHALATION: REMOVE TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT, GIVE ARTIFICIAL RESPIRATION IF BREATHING HAS STOPPED. KEEP PERSON WARM AND QUIET. GET IMMEDIATE MEDICAL ATTENTION.

FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL PROSAR AT 800-296-5473

THIS PRODUCT DOES NOT CONTAIN ANY KNOWN OR ANTICIPATED CARCINOGENS ACCORDING TO THE CRITERIA OF THE NTP ANNUAL REPORT ON CARCINOGENS AND OSHA 29 CFR 1910, Z.

SECTION 8 PRECAUTIONS FOR STORAGE AND DISPOSAL**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**

SMALL SPILLS: FLUSH TO SANITARY SEWER. MOP UP RESIDUE AND RINSE AREA THOROUGHLY WITH WATER.

LARGE SPILLS: DIKE OR DAM SPILL. PUMP TO CONTAINERS OR SOAK UP ON INERT ABSORBENT MATERIALS. ONCE SPILLS OR LEAKS ARE CLEANED UP, DISPOSE OF WASTE IN ACCORDANCE WITH GOVERNMENTAL ORDINANCES.

REMOVE ALL IGNITION SOURCES BEFORE BEGINNING CLEANUP; USE PERSONAL PROTECTIVE EQUIPMENT.

DISPOSAL METHODS: DO NOT PUNCTURE OR INCINERATE "EMPTY" OR FULL CANS. DISCARD EMPTY CANS IN TRASH PICKUP; DO NOT PLACE IN GARBAGE COMPACTOR. PRODUCT IS CONSIDERED BIODEGRADABLE. **PRODUCT THAT CANNOT BE USED ACCORDING TO THE LABEL MUST BE DISPOSED OF AS A HAZARDOUS WASTE AT AN APPROVED HAZARDOUS WASTE MANAGEMENT FACILITY.**

RCRA CLASSIFICATION: HAZARDOUS, IGNITABLE D001. CONTAINER IS CONSIDERED RECYCLABLE.

SECTION 9 HANDLING PRECAUTIONS

VENTILATION: GENERAL VENTILATION SHOULD BE ADEQUATE FOR NORMAL USE. IF USING IN CONFINED AREAS USE NECESSARY MEANS OF VENTILATION TO KEEP FROM EXCEEDING THE TLV.

HANDLING: WASH HANDS BEFORE EATING. DO NOT SMOKE WHILE SPRAYING.

USE ONLY AS DIRECTED; INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING VAPORS AND INHALING CONTENTS CAN BE HARMFUL OR FATAL.

STORAGE: STORE UPRIGHT IN A COOL DRY PLACE. DO NOT STORE IN DIRECT SUNLIGHT OR NEAR OPEN FLAMES. DO NOT SET CAN ON HOT SURFACE. STORE BELOW 120°F. AVOID DIRECT SOURCES OF HEAT AND IGNITION. EXPOSURE TO HEAT OR PROLONGED EXPOSURE TO SUN MAY CAUSE BURSTING. DO NOT USE DEFORMED OR DAMAGED CANS. KEEP OUT OF THE REACH OF CHILDREN. CONSULT LOCAL FIRE MARSHALL AND INSURANCE REPRESENTATIVES FOR SPECIFIC STORAGE REQUIREMENTS IN YOUR AREA.

SECTION 10 TRANSPORTATION AND REGULATORY INFORMATION**A. GROUND**

PROPER SHIPPING NAME: CONSUMER COMMODITY, ORM-D.

CONTAINER SIZE: 6- 16.5 OZ. NET WT PER CASE

DOT CLASSIFICATION: HAZARDOUS; ORM-D

DOT MARKINGS: ORM-D

DOT HAZARD CLASS: HAZARDOUS

PROPELLANT: PROPANE/ISOBUTANE

SARA REPORTABLE QUANTITY: 25,000 LBS

CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS

NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1

B. AIR

PROPER SHIPPING NAME: CONSUMER COMMODITY

DOT CLASSIFICATION: ORM-D-AIR

DOT LABELING/MARKINGS: ID8000/ORM-D-AIR

DOT HAZARD CLASS: 9.0

PROPELLANT: PROPANE/ISOBUTANE

SARA III REPORTABLE QUANTITY: 25,000 LBS

CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS

NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1

SECTION 10 TRANSPORTATION AND REGULATORY INFORMATION (CONT)

C. IMDG

PROPER SHIPPING NAME: AEROSOL, FLAMMABLE
DOT CLASSIFICATION: FLAMMABLE LIQUID UN-1950
DOT MARKINGS: ORM-D
LOT PLACARD: LIMITED QUANTITY
DOT HAZARD CLASS: 2.0
PROPELLANT: PROPANE/ISOBUTANE
SARA III REPORTABLE QUANTITY: 25,000 LBS
CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS
NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1

DISCLAIMER:

THE FOREGOING INFORMATION HAS BEEN COMPILED FROM SOURCES BELIEVED TO BE ACCURATE BUT IS NOT WARRANTED TO BE. RECIPIENTS ARE ADVISED TO CONFIRM IN ADVANCE OF THE NEED THAT THE DATA IS CORRECT, APPLICABLE AND SUITABLE TO THEIR CIRCUMSTANCES. STANDARDS CHANGE WITHOUT NOTICE; IT IS THE RESPONSIBILITY OF THE RECIPIENT TO ASSURE THAT THEIR PERSONNEL HAVE BEEN NOTIFIED OF ANY CHANGES WHICH MAY AFFECT THEM. THE DATA PROVIDED ON THE MSDS ARE NOT MEANT TO BE USED AS SPECIFICATIONS, ONLY GUIDELINE INFORMATION AS TO SAFE USE OF THE PRODUCT. USER SHOULD ALSO REFER TO OSHA, STATE AND LOCAL SAFETY LAWS BEFORE USE.
PREPARED BY: ROBERT M. SMITH, TECHNICAL DIRECTOR