

# MATERIAL SAFETY DATA SHEET

PAR-WAY TRYSON COMPANY  
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(8:30-5:00 P.M. CST)

**SECTION 1 PRODUCT IDENTIFICATION**  
PRODUCT NAME: PURICIT GRILL CLEANER (foam)  
PRODUCT CLASS: AEROSOL GRILL CLEANER  
DATE PREPARED: 11/04  
ITEM #: 24703

HIMS RATING	
HEALTH	3
FLAMMABILITY	4
REACTIVITY	0
P.P. EQUIPMENT	X

## SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

\* = HAZARDOUS INGREDIENTS (see below)

INGREDIENT	CAS#	% By weight	OSHA	ACGIH	NIOSH REL
* SODIUM HYDROXIDE	1310-73-2	8%	2mg/m3		
TRIETHANOLAMINE	102-71-6	2%	None	None	None
DIETHYLENE GLYCOL MONOBUTYL ETHER	112-34-5	3%			
PROPYLENE GLYCOL IND	57-55-6	2%			
* LIQUIFIED PETROLEUM GAS	68476-85-7	5%	1000PPM	2500PPM	

\*- Asterisked ingredients are those considered hazardous according to the criteria of 29CFR 1910.1200. Other ingredients are listed for informational purposes to assist emergency medical response personnel.

## SECTION 3 PHYSICAL DATA

BOILING POINT: NOT DETERMINED  
VAPOR PRESSURE: NOT DETERMINED  
VAPOR DENSITY: NOT DETERMINED  
SPECIFIC GRAVITY: 1.06  
APPEARANCE: WHITE AEROSOL FOAM  
FLASH POINT: NOT DETERMINED

FREEZING POINT: N/A  
pH: 12.75  
EVAPORATION RATE: SLOWER THAN ETHER  
SOLUBILITY IN WATER: N/A  
ODOR: LEMON FRAGRANCE

## SECTION 4 EXPOSURE CONTROLS/ PERSONAL PROTECTION

HYGIENIC PRACTICES: DO NOT INHALE VAPORS  
AVOID EYE CONTACT  
OBSERVE LABEL PRECAUTIONS  
DISPOSE OF ALL CONTAMINATED PERSONAL PROTECTIVE EQUIPMENT ACCORDING TO ALL LOCAL, STATE AND FEDERAL REGULATIONS.

ENGINEERING CONTROLS: GENERAL AND LOCAL EXHAUST VENTILATION SHOULD BE USED TO CONTROL AIRBORNE LEVELS BELOW THE EXPOSURE GUIDELINES. GENERAL VENTILATION MAY BE ADEQUATE FOR MAINTAINING AIRBORNE CONCENTRATIONS BELOW ESTABLISHED EXPOSURE LIMITS. 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.

### PERSONAL PROTECTIVE EQUIPMENT:

PERSONAL PROTECTIVE EQUIPMENT IS RECOMMENDED FOR PROLONGED OR REPEATED CONTACT.  
GLOVES: USE OF CHEMICAL RESISTANT GLOVES IS REQUIRED.  
GOGGLES/FACE SHIELD: REQUIRED; GOGGLES SHOULD BE CHEMICAL SPLASH TYPE.  
OTHER PERSONAL PROTECTIVE CLOTHING AND EQUIPMENT AS LISTED IN 29 CFR 1910.132 & 133.

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**SECTION 5 FIRE AND EXPLOSION DATA****AUTOIGNITION:** NOT DETERMINEDLEL: 1.8%  
UEL: 9.5%**FLASH POINT:** NOT DETERMINED**EXTINGUISHING MEDIA:** WATER FOG OR FINE SPRAY, CO<sub>2</sub>, DRY CHEMICAL, FOAM, ALCOHOL RESISTANT FOAM (ATC TYPE) ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFFF) OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVELY.

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

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 EQUIPMENT IS NOT AVAILABLE, FIGHT FIRE FROM A PROTECTED LOCATION OR SAFE DISTANCE.

CLEAR FIRE AREA OF UNPROTECTED PERSONNEL. EXPLODING CANS MAY TRAVEL GREAT DISTANCES SPEWING BURNING MATERIALS. EXPOSURE TO TEMPERATURES OVER 120°F MAY CAUSE CANS TO BURST.

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.****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.

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**SECTION 6 REACTIVITY DATA****STABILITY:** STABLE UNDER NORMAL CONDITIONS. KEEP AWAY FROM HEAT, SPARKS OR OPEN FLAMES.  
**INCOMPATIBILITY:** STRONG OXIDIZERS (INCLUDING BLEACH), STRONG ALKALIES AND MINERAL ACIDS, HEAT, ELECTRICAL ARCS AND IGNITION SOURCES

CAN REACT WITH REACTIVE METALS SUCH AS ALUMINUM ZINC, MAGNESIUM, COPPER, ETC. TO RELEASE HYDROGEN GAS WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

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

**HAZARDOUS POLYMERIZATION:** WILL NOT OCCUR**CONDITION TO AVOID:** DO NOT STORE ABOVE 120°F. DO NOT STORE IN DIRECT SUNLIGHT

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**SECTION 7 HEALTH HAZARD DATA****EMERGENCY OVERVIEW:** CAUSES SEVERE CHEMICAL BURNS.  
HARMFUL OR FATAL IF SWALLOWED.  
EYE CONTACT MAY CAUSE BLINDNESS.  
VAPORS CAN DAMAGE RESPIRATORY TRACT.  
CHRONIC OVEREXPOSURE MAY RESULT IN PERMANENT BRAIN AND NERVOUS SYTEM DAMAGE.

**SECTION 7 HEALTH HAZARD DATA (CONT)**

**EYE CONTACT:** SEVERELY CORROSIVE TO THE EYES, AND MAY CAUSE PERMANENT DAMAGE, INCLUDING BLINDNESS.

OVEREXPOSURE:

TRIETHANOLAMINE: MAY CAUSE IRRITATION  
DIETHYLENE GLYCOL MONOBUTYL EHTER: CAN CAUSE SEVERE IRRITATION AND POSSIBLE DAMAGE.  
SODIUM HYDROXIDE: CAUSES IRREVERSIBLE EYE DAMAGE.  
PROPYLENE GLYCOL IND: MAY CAUSE MILD EYE IRRITATION.  
LIQUIFIED PETROLEUM GAS: CAN CAUSE FROSTBITE AND BURNS.

**SKIN:** SLIGHT SKIN IRRITATION, CAN CAUSE DERMATITIS.

OVEREXPOSURE:

TRIETHANOLAMINE:PROLONGED CONTACT MAY CAUSE SEVERE IRRITATION  
DIETHYLENE GLYCOL MONOBUTYL EHTER: CAN CAUSE MILD IRRITATION.  
SODIUM HYDROXIDE: CAUSES IRREVERSIBLE DAMAGE.  
PROPYLENE GLYCOL IND: MAY CAUSE MILD EYE IRRITATION.  
LIQUIFIED PETROLEUM GAS: CAN CAUSE FROSTBITE AND SKIN BURNS.

**BREATHING:** SHORTNESS OF BREATH, DIZZINESS AND LIGHTHEADEDNESS.

OVEREXPOSURE

TRIETHANOLAMINE: MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT  
DIETHYLENE GLYCOL MONOBUTYL EHTER: SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARM. LARGE AMOUNTS MAY BE HARMFUL.  
SODIUM HYDROXIDE: MIST CAN CASUE DAMAGE TO NASAL AND RESPIRATORY PASSAGES.  
PROPYLENE GLYCOL IND: SMALL AMOUNTS DURING NORMAL HANDLING IS NOT LIKELY TO CAUSE HARM. LARGE AMOUNTS MAY BE HARMFUL.  
LIQUIFIED PETROLEUM GAS: AN ASPHYXIATE AND MAY EXHIBIT ANESTHETIC PROPERTIES AT HIGH CONCENTRATIONS.

**INGESTION:** MAY CAUSE CHEMICAL PNEUMONIA IF ASPIRATED INTO LUNG.

OVEREXPOSURE

TRIETHANOLAMINE: MAY CAUSE BURNING OR PAINFUL SENSATION IN THE MOUTH, THROAT AND STOMACH. MAY CAUSE DIZZINESS, DROWSINESS, COLLAPSE AND COMA.  
DIETHYLENE GLYCOL MONOBUTYL EHTER: LARGE AMOUNTS MAY BE HARMFUL.  
SODIUM HYDROXIDE: RESULTS IN SEVER DAMAGE TO MUCCOUS MEMBRANES AND DEEP TISSUES..  
PROPYLENE GLYCOL IND: IS NOT LIKELY TO BE HARMFUL.  
LIQUIFIED PETROLEUM GAS: THIS MATERIAL IS GAS UNDER NORMAL ATMOSPHERIC CONDITIONS.

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

FIRST AID

**EYES:** IRRIGATE WITH COOL FLOWING WATER AT LEAST 20 MINUTES. REMOVE CONTACT LENSES IF APPLICABLE, HOLD LIDS OPEN AS IT HELPS PREVENT SCRATCHING AND MINIMIZE IRRITATION. **SEEK MEDICAL ATTENTION IMMEDIATELY.**

**SKIN:** THOROUGHLY WASH SKIN WITH SOAP AND WATERSEEK MEDICAL ATTENTION IF RASH APPEARS OR PERSISTS.

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

**INHALATION:** REMOVE TO FRESH AIR. GIVE OXYGEN IF BREATHING IS LABORED. IF NOT BREATHING, GIVE MOUTH TO MOUTH RESUSCITATION. IF BREATHING IS DIFFICULT GIVE OXYGEN. KEEP PERSON WARM AND QUIET. GET IMMEDIATE MEDICAL ATTENTION AS EXCESSIVE EXPOSURE MAY CAUSE IRRITATION TO THE UPPER RESPIRATORY SYSTEM.

**FOR EMERGENCY ASSISTANCE INVOLVING CHEMICALS CALL CHEMTREC 800-424-9300**  
CARCINOGENICITY HAS NOT BEEN DETERMINED.

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**SECTION 8 PRECAUTIONS FOR STORAGE AND DISPOSAL**

**STEPS TO BE TAKEN IF MATERIAL IS SPILLED OR RELEASED:**

**ISOLATE SPILL OR LEAK AREA IMMEDIATELY. KEEP UNAUTHORIZED PERSONNEL AWAY. VENTILATE AREA. REMOVE ALL IGNITION SOURCES BEFORE BEGINNING CLEANUP; USE PERSONAL PROTECTIVE EQUIPMENT**

**SMALL SPILLS: CLEAN UP WITH INERT MATERIALS AND DISPOSE OF IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.**

**LARGE SPILLS: DIKE OR DAM SPILL. PUMP TO CONTAINERS OR SOAK UP ON INERT ABSORBENT ONCE SPILLS OR LEAKS ARE CLEANED UP, DISPOSE OF WASTE IN ACCORDANCE WITH GOVERNMENTAL ORDINANCES.. DO NOT DISCHARGE EFFLUENT OF THIS PRODUCT INTO LAKES, STREAMS, PONDS OR OTHER WATER UNLESS IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS.**

**DISPOSAL METHODS: DO NOT PUNCTURE OR INCINERATE "EMPTY" OR FULL CANS. DISCARD EMPTY CANS IN TRASH PICKUP; DO NOT PLACE IN GARBAGE COMPACTOR . FULL OR PARTIALLY FULL CONTAINERS MUST BE DISPOSED OF AS A HAZARDOUS WASTE AT AN APPROVED HAZARDOUS WASTE MANAGEMNET FACILITY.**

**RCRA CLASSIFICATION: HAZARDOUS, IGNITABLE D001**

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**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: KEEP CONTAINERS TIGHTLY CLOSED. STORE UPRIGHT IN A COOL DRY PLACE. DO NOT STORE IN DIRECT SUNLIGHT OR NEAR OPEN FLAMES. STORE BELOW 120°F. AVOID DIRECT SOURCES OF HEAT, SPARKS AND IGNITION. CLOSED CONTAINERS MAY EXPLODE WHEN EXPOSED TO EXTREME HEAT. 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.**

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**SECTION 10 TRANSPORTATION AND REGULATORY INFORMATION**

**A. GROUND**

**PROPER SHIPPING NAME: CONSUMER COMMODITY**

**CONTAINER SIZE: 6- 24.5 OZ. NET WT PER CASE**

**DOT CLASSIFICATION: HAZARDOUS; ORM-D**

**DOT MARKINGS: ORM-D**

**DOT HAZARD CLASS: N/A**

**PROPELLANT: PROPANE/ISOBUTANE**

**SARA TITLE III MATERIAL: SODIUM HYDROXIDE (SEC 304); DIETHYLENE GLYCOL BUTYL ETHER (SEC. 313).**

**SARA REPORTABLE QUANTITY: 1000 LBS**

**CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS**

**NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1**

**SECTION 10 TRANSPORTATION AND REGULATORY INFORMATION (Cont)**

**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 TITLE III MATERIAL: SODIUM HYDROXIDE (SEC 304); DIETHYLENE GLYCOL BUTYL ETHER (SEC. 313).  
SARA III REPORTABLE QUANTITY: 25,000 LBS  
CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS  
NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1

**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 TITLE III MATERIAL: SODIUM HYDROXIDE (SEC 304); DIETHYLENE GLYCOL BUTYL ETHER (SEC. 313).  
SARA III REPORTABLE QUANTITY: 25,000 LBS  
CANADA WHMIS: CONTROLLED PRODUCT, CLASS A-COMPRESSED GAS  
NFPA 30B WAREHOUSE CLASSIFICATION: LEVEL 1

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**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