TURNER-DIVISION OF COOPER TOOLS -- PROPYLENE -- 3433-01-161-4998

--------------------------- Product Identification ---------------------------

Product ID: PROPYLENE
MSDS Date: 01/01/1997
FSC: 3433
NIIN: 01-161-4998
MSDS Number: BNWCT

=== Responsible Party ===
Company Name: TURNER-DIVISION OF COOPER TOOLS
Address: 821 PARK AVENUE
Box: NONE
City: SYCAMORE
State: IL
Country: US
Phone: 815-895-4545

=== Contractor Identification ===
Company Name: GENERAL TOOL & SUPPLY CO.
Address: 5614 7TH AVENUE SOUTH
Box: 80904
City: SEATTLE
State: WA
ZIP: 98108-3317
Country: US
Phone: 206-762-1500
CAGE: 96508

=== Company Identification ===
Company Name: GLOBAL COMMERCE CORP.
Address: 28727 PACIFIC HWY S SUITE 101
Box: City: FEDERAL WAY
State: WA
ZIP: 98003
Country: US
Phone: 206-839-0595
CAGE: 3Z323

Company Name: INNOVATIVE TOOLING SYSTEMS
Box: UNKNOWN
CAGE: 75781

Company Name: TURNER CO DIV OF CLEANWELD PRODUCTS CO
Address: 821 PARK AVE
Box: 6200
City: SYCAMORE
State: IL
ZIP: 60178-2419
Country: US
Phone: 815-895-4545
CAGE: 61112

Company Name: TURNER-DIVISION OF COOPER TOOLS
Address: 821 PARK AVENUE
City: SYCAMORE
State: IL
Country: US
Phone: 815-895-4545
CAGE: 96508

----------------- Composition/Information on Ingredients -----------------

Ingredient Name: PROPYLENE (PROPENE) (SARA 313)
CAS: 115-07-1
RETCES #: UC6740000
Fraction by Wt: 97%
Other REC Limits: NONE RECOMMENDED
ACGIH TLV: ASPHYXIANT; 9596
Ingréd Name: PROPANE
CAS: 74-98-6
RTECS #: TX2275000
Fraction by Wt.: 3%
Other REC Limits: NONE RECOMMENDED
OSHA PEL: 1000 PPM
ACGIH TLV: ASPHYXIANT, 9596

Hazardous Identification

LD50 LC50 Mixture: NONE SPECIFIED BY MANUFACTURER.
Routes of Entry: Inhalation: YES Skin: YES Ingestion: NO
Reports of Carcinogenicity: NTP: NO IARC: NO OSHA: NO
Health Hazards Acute and Chronic: EXPOSURE TO 1000 PPM FOR 8 HOURS PER DAY, 5 DAYS A WEEK FOR APPROXIMATELY TWO WEEKS PRODUCES NO ABNORMAL REACTIONS, INCLUDING CARDIAC, PULMONARY AND NEUROLOGIC FUNCTIONS, IN HUMANS. SIMPLE ASPHYXIANT AND HAS ANESTHETIC ACTION IN HIGH CONCENTRATIONS. LIQUEFIED GAS CAN CAUSE FROSTBITE WHEN TOUCHES SKIN.
Explanation of Carcinogenicity: THIS PRODUCT IS NOT LISTED BY IARC, NTP OR OSHA AS A CARCINOGEN, MUTAGEN, TERATOGEN OR NEUROTOXIN.
Effects of Overexposure: SIMPLE ASPHYXIANT, ANESTHETIC RESPONSES, FROSTBITE TO CONTACTED TISSUE.
Medical Conditions Aggravated by Exposure: RESPIRATORY PROBLEMS.

First Aid Measures

First Aid: INHALATION: REMOVE FROM EXPOSURE. RESTORE BREATHING. KEEP WARM AND QUIET. GET MEDICAL ATTENTION. SKIN: WASH AFFECTED AREA THOROUGHLY WITH SOAP AND WATER. IF IRRITATION PERSISTS, GET MEDICAL ATTENTION. EYES: FLUSH WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES. GET MEDICAL ATTENTION. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION.

Fire Fighting Measures

Flash Point Method: CC
Flash Point: -162°F, -108°C
Lower Limits: 2.0
Upper Limits: 11.1
Extinguishing Media: DRY CHEMICAL, FOAM, CARBON DIOXIDE
Fire Fighting Procedures: FIRE FIGHTERS SHOULD USE NIOSH APPROVED SCBA & FULL PROTECTIVE EQUIPMENT WHEN FIGHTING CHEMICAL FIRE. USE WATER SPRAY TO COOL NEARBY CONTAINERS EXPOSED TO FIRE.
Unusual Fire/Explosion Hazards: HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/OR SPREAD ALONG GROUND AWAY FROM HANDLING AREA.

Accidental Release Measures

Spill Release Procedures: EVACUATE AREA OF ALL UNNECESSARY PERSONNEL. REMOVE ALL SOURCES OF IGNITION. VENTILATE TO REMOVE FUMES. FLUSH SPILLS WITH WATER—RUNOFF TO SEWERS MAY CAUSE FIRE OR EXPLOSION.
Neutralizing Agent: NONE SPECIFIED BY MANUFACTURER.

Handling and Storage

Handling and Storage Precautions: DO NOT STORE OVER 120°F OR IN DIRECT SUNLIGHT. STORE AWAY FROM IGNITION SOURCES IN WELL VENTILATED AREA. DO NOT STORE IN LIVING AREA.
Other Precautions: POCKETS OF GAS HEAVIER THAN AIR MAY ACCUMULATE IN LOW AREAS AND/or SPREAD ALONG THE GROUND AWAY FROM HANDLING SITE.

Exposure Controls / Personal Protection

Respiratory Protection: NOT GENERALLY REQUIRED. WHEN NECESSARY, USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS.
Ventilation: NATURAL VENTILATION WITH EXPLOSION-PROOF COMPONENTS.
Protective Gloves: STANDARD WORK GLOVES

Eye Protection: CHEMICAL GOGGLES

Other Protective Equipment: WHEN SOLDERING, BRAZING OR CUTTING USE GOGGLES WITH ANSI Z37 #4 OR #5 LENSES

Work Hygienic Practices: WASH WITH SOAP AND WATER AFTER HANDLING PRODUCT AND BEFORE EATING, DRINKING OR SMOKING.

Supplemental Safety and Health
NONE SPECIFIED BY MANUFACTURER.

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Physical/Chemical Properties
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HCC: G2

Boiling Pt: -47.8°C, -54°F

B.P. Text: -54°F, -48°C

Vapor Pres: 151 PSI

Vapor Density: 1.48

Spec Gravity: 0.514, LIQUID

Solubility in Water: 44.6 ML GAS/100 ML

Appearance and Odor: COLORLESS GAS, TYPICAL OLEFIN ODOR.

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Stability and Reactivity Data
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Stability Indicator/Materials to Avoid: YES

CHLORINE AND OTHER STRONG OXIDIZERS

Stability Condition to Avoid: CYLINDER TEMPERATURES ABOVE 120°F, SPARKS, OPEN FLAMES, OTHER FORMS OF IGNITION.

Hazardous Decomposition Products: CARBON OXIDES

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Disposal Considerations
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Waste Disposal Methods: PREVENT WASTE FROM CONTAMINATING SURROUNDING ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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