

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

Info Phone Num:815-895-4545

Emergency Phone Num:815-895-4545

CAGE:96508

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= 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:3Z323

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:8J822

Company Name:INNOVATIVE TOOLING SYSTEMS

Box:UNKNOW

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

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Composition/Information on Ingredients
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Ingred Name:PROPYLENE (PROPENE) (SARA 313)
CAS:115-07-1
RTECS #:UC6740000
Fraction by Wt: 97%
Other REC Limits:NONE RECOMMENDED
ACGIH TLV:ASPHYXIAN; 9596

Ingred Name:PROPANE
CAS:74-98-6
RTECS #:TX2275000
Fraction by Wt: 3%
Other
REC Limits:NONE RECOMMENDED
OSHA PEL:1000 PPM
ACGIH TLV:ASPHYXIAN; 9596

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Hazards Identification
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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 1000PPM FOR 8 HOURS PER
DAY, 5 DAYS A WEEK FOR APPROXIMATELY TWO WEEKS PRODUCES NO ABNORMAL
REACTIONS, INCLUDING CARDIAC, PULMONARY AND NEUROLO

GIV FUNCTIONS,
IN HUMANS. SIMPLE ASPHXIANT AN D HAS ANESTHETIC ACTION IN HIGH
CONCENTRATIONS. LIQUIFIED 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 ASPHXIANT, ANESTHETIC RESPONSES,
FROSTBITE TO CONTACTED TISSUE.

Medical Cond Aggravated by Exposure:RESPIRATORY PROBLEMS.

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===== First Aid Measures =====
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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 WATERFOR 15 MINUTES.
GET MEDICAL ATTENTION. INGESTION: SEEK IMMEDIATE MEDICAL ATTENTION.

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===== Fire Fighting Measures =====
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Flash Point Method:CC

Flash Point:-162F,-108C

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 Hazard:HIGHLY FLAMMABLE VAPORS WHICH ARE HEAVIER
THAN AIR MAY ACCUMULATE IN LOW AREEAS AND/OR SPREAD ALONG GROUND
AWAY FROM HANDLING AREA.

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===== Accidental Release Measures =====
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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.

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===== Handling and Storage =====
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Handling and Storage Precautions:DO NOT STORE OVER 120F OR IN DIRECT
SUNLIGHT. STORE AWAY FROM IGNITION SOURCES IN WELL VENTILATED AREA.
DO NOT STORE IN

LIVING AREA.

Other Precautions:POCKETS OF GASE 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 Protect

ive 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.

===== Physical/Chemical Properties =====

HCC:G2

Boiling Pt:=-47.8C, -54.F

B.P. Text:-54F,-48C

Vapor Pres:151 PSIA

Vapor Density:1.48

Spec Gravity:0.514, LIQUID

Solubility in Water:44.6 ML GAS/100 M

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Appearance and Odor:COLORLESS GAS, TYPICAL OLEFIN ODOR.

===== Stability and Reactivity Data =====

Stability Indicator/Materials to Avoid:YES

CHLORINE AND OTHER STRONG OXIDIZERS

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

Hazardous Decomposition Products:CARBON OXIDES

===== Disposal Considerations =====

Waste Disposal Methods:PREVENT WASTE FROM CONTAMINATING SURROUN

DING

ENVIRONMENT. DISCARD ANY PRODUCT, RESIDUE, DISPOSAL CONTAINER OR LINER IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS.

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