

MATERIAL SAFETY DATA SHEET

Propylene

or surviver welding

(Approved by U.S. Department of Labor as "essentially similar" to Form LS8-005-4)

PRODUCT

SECTION I-	IDENTIFICATION OF PRODUCT	
MANUFACTURER'S NAME EXXON CHEMICAL COMPANY U.S.A.	EMERGENCY TELE	
ADDRESS (Number, Street, City, State and ZIP Code) 1333 W. LOOP S., HOUSTON, TEXAS 77027	(713) 656-36) 00
TRADE NAME	CHEMICAL NAME	
Propylene	Propylene, propene	i gradini tanih
CHEMICAL FAMILY	CHEMICAL FORMULA	*
Olefin	C3H6	
The precise composition of this product is proprietary informs	RDOUS COMPONENTS OF MIXTURES ution. A more detailed disclosure will be provided by Exxon Medical s privileged information upon request in case of need for specific to	or Industrial Hygiene eatment.
Not applicable to High Purity Chemical	Ls	
		in the second second
	en e	
* SECTION I	III-TYPICAL PHYSICAL DATA	
APPEARANCE AND ODOR Colorless gas under normal conditions	SPECIFIC GRAVITY 0.522 @ 15.5/15.5°C (60/60°	E)
SOILING POINT (OF)		terestativent in the terminal constitution to the terminal constitution of
-48°C (-54°F)	PERCENT VOLATILE (SY VOLUME) 100	
VAPOR PRESSURE	EVAPORATION RATE	
10 atm @ 20°C (68°F)	(n- BUTYL ACETATE = 1) Not available	
VAPOR DENSITY (AIR 1)		4 .
1.46		
SOLUBILITY IN WATER		
0.018 wt% @ 38°C (100°F)		
	E AND EXPLOSION HAZARD DATA	
Flash Point (Method) TCC: -108°C (-162°F)	FLAMMASLE LIMITS Let (PERCENT BY VOLUME) 2.0	Ue:
FIRE EXTINGUISHING MEDIA		
Stop flow of gas if possible. CO2, dry	그는 그는 사람들이 되는 사람들은 사람들이 가는 것이 가장하다는 것이 되었다. 그는 사람들이 살아 없는데 되었다.	
SPECIAL FIRE FIGHTING PROCEDURES Do not exting	guish flames due to possibility of explo	cive ye-
ignition. Shut off source of fuel if	cossible and allow fire to burn out. Ex	tinouish emall
residual fires with dry chemical. Wear	r self-contained breathing apparatus. U	se water spray
to cool exposed surfaces. UNUSUAL FIRE AND EXPLOSION HAZAROS		
	nite at ambient temperatures and can be	expected to
form flammable mixture upon release to	the atmosphere.	
ne except carbon monoxide		

Propvlene	
	SECTION V - HEALTH HAZARD DATA
THRESHOLD LIMIT	VALUE No OSHA standard established. Exxon Chemical Environmental Health Divis
EFFECTS OF OVERED	Moderate concentration in air causes dizziness, drowsiness and un-
errecis or overe	consciousness. Contact with liquified propylene will cause "cold burn
EMERGENCY AND PROPERTY AND PROP	FIRST AID PROCEDURES m to fresh air. Call a physician promptly. If breathing is irregular or has
	inister artificial respiration. In case of "cold burn", immediately place
	a in water at 37.5° C (99.6 $^{\circ}$ F) and keep at this temp. until circulation returns
	SECTION VI - REACTIVITY DATA
STABILITY	
	UNSTABLE
INCOMPATIBILITY	STABLE X Keep away from oxygen and oxidizing materials.
Concentrated molten sulfur	mineral acids, halogenated compounds, nitrogen dioxide, oxidizing agents,
None.	MPOSITION PRODUCTS
	SECTION VII - SPILL OR LEAK PROCEDURES
	NIN CASE MATERIAL IS RELEASED OR SPILLED away. Shut off leak if possible without risk
	l'ignition sources. Réep péople away. Shut off leak if possible without risk id from entering sewers or low areas. Warn occupants downwind of explosion
Prevent liqui	id from entering sewers or low areas. Warn occupants downwind of explosion ise police if liquids enter sewer or water course.
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