



MATERIAL SAFETY DATA SHEET

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Phone: (305)-685-8282 or (305)-685-9339

P-CWL

CHEMICAL CODE: P-CWL
PRODUCT NAME: CHEMICAL WASH LIQUID
MATERIAL SAFETY DATA SHEETS

EFFECTIVE DATE: August 14, 1995

NFPA RATING:

Health Hazard: 2 Flammability: 3 Reactivity: 0 Other: None

0=Insignificant 1=Slight 2=Moderate 3=High 4=Extreme

Nominal Composition:

PROPRIETARY AQUEOUS SOLUTION OF POLYAMIDE.
ISOPROPYL ALCOHOL

CAS Number

67-63-0 Approx. 20-40%

SECTION 1 - PHYSICAL DATA

CHEMICAL NATURE:	Surfactant	FORM:	Liquid
COLOR:	Brown	ODOR:	Alcohol
VAP DENSITY (air=1):	>1	% SOL. IN WATER:	Dispersible
pH:	8.9	SP.GRAVITY:	0.99
POUR PT:	Not determined	BOILING POINT:	192 F (89 C)
VAP. PRESSURE:	Not determined	WT% VOLATILE:	20

SECTION 2 - FIRE AND EXPLOSION HAZARD DATA

CHARACTERISTIC: Will burn at high temperature

FLASH POINT: >200 deg F (93 deg. C)

METHOD USED: Pensky-Martens CC

FLAMMABLE LIMITS (STP IN AIR) LFL: 1.1

UFL: Not determined

EXTINGUISHING MEDIA: Water Fog, Alcohol Foam, CO₂, Dry Chemical

SPECIAL FIRE FIGHTING EQUIPMENT AND HAZARDS: Wear protective fire fighting clothing and avoid breathing vapors. Use self contained breathing apparatus in closed areas.



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SECTION 3 - REACTIVITY HAZARDS

STABILITY: Stable

INCOMPATIBILITY: Oxidizers.

HAZARDOUS DECOMPOSITION: When heated strongly or burned, oxides of carbon, nitrogen oxides, ammonia and harmful organic chemical fumes are released.

HAZARDOUS POLYMERIZATION: Will not occur.

SECTION 4 - FIRST AID PROCEDURES

EYE CONTACT: Immediately flush eyes with water for 15 minutes while holding eyelids open. see a doctor at once.

SKIN CONTACT: Wash thoroughly with soap and water. See a doctor if irritation occurs. Wash clothes thoroughly before reusing.

SWALLOWING: If several grams are swallowed, induce vomiting with ipecac (preferred), or by giving water and sticking finger down throat. After vomiting give milk (preferred) or water and consult a physician.

INHALATION: Remove to fresh air. See a doctor if ill effects occur.

NOTES: None

SECTION 5 - HANDLING PRECAUTIONS

PROTECTIVE EQUIPMENT CODE: Q3Q7

VENTILATION: General and local ventilation is required.

RESPIRATORY PROTECTION: Use NIOSH approved respirator with organic vapor / acid gas protection (color coded yellow). Use SCBA (self contained breathing apparatus) in confined areas and for emergencies.

PROTECTIVE CLOTHING: Clean, body-covering clothing and rubber gloves. For spills and emergencies, also wear boots and slicker (rain) suit.

EYE PROTECTION: Chemical goggles required and an eye wash in work area.

EXPOSURE GUIDELINE(S): TLV are TWA 400 ppm and STEL 500 ppm for isopropyl alcohol. PEL is 400 ppm for isopropyl alcohol.



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SECTION 6 - SPILL AND DISPOSAL PROCEDURE

CERCLA REPORTABLE QUANTITY: Not established.

SPECIAL HANDLING: Contain with dikes. Use explosion proof equipment to recover. Remove all sources of ignition. Soak up residual on inert absorbent (sand). Put in Steel or plastic drum approved for flammables.

DISPOSAL METHOD FOR:

PRODUCT: Ship via permitted waste hauler to permitted hazardous waste disposal facility for incineration.

CONTAINER: Sell to approved drum reconditioner or render container unusable by puncturing or crushing. Send to sanitary landfill unless prohibited by local regulations.

DEGRADABILITY: Partially biodegradable.

FISH TOXICITY: No information.

ANIMAL TOXICITY: Low toxicity to mammals.

SECTION 7 - TOXICOLOGY (ROUTES OF EXPOSURE)

PRINCIPAL HAZARD (E=Eye, S=Skin, I=Inhal.): E,I

EYE CONTACT: Irritant. May cause pain, redness, discomfort.

SKIN CONTACT: Irritant. May cause pain, redness, dermatitis. Not likely to be absorbed in toxic amounts.

SWALLOWING: Irritant. May cause pain, or discomfort to mouth, throat and stomach. LD50 (rat) is greater than 5,000 mg/kg May cause nausea, diarrhea.

INHALATION: Can be harmful if inhaled repeatedly or for long periods. May cause illness or mild irritation. May cause narcosis, headache.

OTHER: May affect liver and kidneys.



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SECTION 8 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

SPECIAL PRECAUTIONS: None.

PHYSICAL HAZARD: Fire.

HANDLING AND STORAGE PRECAUTIONS: Keep away from sparks and flame. Store out of direct sunlight in well ventilated area. Keep container closed when not in use. Use with adequate ventilation. Do not cut or weld on container.

PACKAGING INFORMATION: Plastic (all poly) drum (DOT 34) or plastic can.

ADDITIONAL INFORMATION: None

The information herein is believed to be accurate and is presented in good faith; however, no warranties or representations are made by Petrochem USA, Inc. regarding the accuracy or completeness of the information.



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SHIPPING INFORMATION

ID NUMBER (UN # OR NA #): UN 1993

FLASH PT. >200 deg F, >93 degC

BOILING PT. 192 F (89 C) @ 750 MMHg

ICC TARIFF CLASSIFICATION: Compound, Gas or Oil Well Drilling

ICC Item Number: 138640

ICC Class: 50 LTL TL

DEPARTMENT OF TRANSPORTATION - DOT

Description: Hazardous Material

Hazard Class: Flammable liquid – Contains Isopropanol

Shipping Name: Flammable liquid, N.O.S., 3, UN 1993, PG II

DOT Label: Flammable liquid

Comment: Flash Point: >200F / 93C

DS Tank Ex. #: DOT-E 3095

CERCLA RQ: Not established

US FOREIGN TRADE SCHEDULE B# (EXPORT): 464.6000

CANADIAN SHIPMENTS -

Shipping name:

Special Provision:

Classification:

ICAO Class:

Pkg Group:

WATER SHIPMENT (IMO)

Shipping Name: Flammable liquids, N.O.S. (Contains Isopropanol)

Label(s): Flammable

Class: 3.2 **Pkg Group:** III

IMDG Page: 3084

MARPOL:

AIR SHIPMENTS (IATA)

Shipping Name: Flammable liquids, N.O.S. (Contains Isopropanol)

Label(s) Flammable liquid

Class: 3 **Sub Risk:**

Pkg Group:

Passenger Aircraft Pkg. Instr. 305,II

Max. Net Qty./Pkg. 5L

Cargo Aircraft Only Pkg. Instr 307,II

Max. Net Qty./Pkg. 60L

EUROPEAN ECONOMIC COMMUNITY (EEC)

Risk Phrases: 11 36/38

Safety Phrases: 26 28(W/S) 16 46

Classification (Label): Xi F

Label Description: Contains Isopropanol

ADR Class: 3.3b

RID Class:

TREM Card: 30G30

Hazard Classification:Comment: S28(W/S)=S28..water and soap.