



# **MATERIAL SAFETY DATA SHEET**

Poly Klean

POLYKLEAR COBALT CLEAR SPECIAL 6%

### 1. **IDENTIFICATION**

CHEMICALS NAME: POLYKLEAR COBALT CLEAR SPECIAL 6%

OTHER NAME: MIXTURE OF COBALT AND SODIUM CARBOXYLATE IN

HYDROCARON SOLVENT

RECOMMENDED USE: CATALYST.

**RESTRICTION ON USE:-**

DISTRIBUTOR:

SEA Olympus Marketing, Inc.

SEA Olympus Marketing bldg., A.C. Cortes Avenue,

Mandaue City, Cebu

Philippines 6014

**CONTACT NUMBER:** 

(032) 346-7137

# 2. HAZARD(S) IDENTIFICATION

CHEMICALS HAZARD CLASS: FLAMMABLE LIQUID CATEGORY 4, ACUTE

ELLERGIASS +

TOXICITY:ORAL CATEGORY 4, SKIN CORROSION/IRRITATION CATEGORY 3,

SERIOUS EYE DAMAGE/EYE IRRITATION CATEGORY 2B

LABEL

CONTENT:

SYMBOL:



WARNING HAZARD

STATEMENT:

**COMBUSTIBLE LIQUID** 

HARMFUL IF

**SWALLOWED CAUSE** 

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#### VISAYAS:

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421-7817 to 18; 421-7823
Fax #: (032) 421-7789; 346-1817

## MINDANAO:

FIBERULASS

REGIONAL OFFICE

Unit A16 J.King Warehouse Complex Km.3 Maa Road, Davao City 8000 Telefax #: (082) 244-1206; 302-2711





MILD SKIN IRRITATION **CAUSE EYE IRRITATION** 

PRECAUTIONARY STATEMENT:

STORE WELL-VENTILATED PLACE. KEEP COOL AVOID FIRE SOURCE

WEAR APPROPRIATE PROTECTION EQUIPMENT

OTHER HAZARDS:

# 3. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL PROPERTIES:		Poly KI
HAZARDOUS	CAS No.	w/w %
INGREDIENTS		RANGE
COBALT bis(2-	136-52-7	6 MAX.
ETHYLHEXANOATE)		
SODIUM 2-ETHYLHEXANOATE	19766-89-	22 ~ 33
	3	
NORMAL PARAFFIN	64771-72-	63 ~ 74
Jaly Klasy	8	Della /4
*OIUIN(EE)	<u> </u>	- Foluia

#### 4. FIRST-AID MEASURES

**INHALATION** IMMEDIATELY REMOVE TO FRESH AIR. ADMINISTED

> ARTIFICIAL RESPIRATION IF BREATHING STOP. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION.

SKIN CONTACT FLASH PROMPTLY WITH SOAP AND LARGE AMOUNT

OF WATER

IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER **EYE CONTACT** 

FOR AT LEAST 15 MINUTES. GET MEDICAL ATTENTION

IMMEDIATELY.

IF SWALLOWED, DO NOT INDUCE VOMITING. GET

PROMPT MEDICAL ATTENTION. INGESTION

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# 5. FIRE FIGHTING MEASURES

SUITABLE FIRE

**EXTINGUISHING MEDIA** 

USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO

**EXTINGUISH FIRE** 

MAY PRODUCE CARBON **SPECIFIC** BURNING MONOXIDE,

CARBON DIOXIDE, COBALT OXIDE FUME. AVOID HAZARDS THAT

MAY BE BREATHING FUMES FROM FIRE EXPOSED MATERIAL

**ENCOUNTERED** 

SPECIFIC FIRE-KEEP CONTAINERS COOL WITH WATER SPRAY

**FIGHTING** 

**SPECIFIC** WEAR NIOSH/MSHA APPROVED SCBA **FULL** 

**EQUIPMENT FOR** PROTECTIVE EQUIPMENT

**PROTECTION** 

# 6. ACCIDENTAL RELEASE MEASURES

REMOVAL OF IGNITION SOURCES-NO SMOKING. IN **PERSONAL** 

LEAKING: CASE OF LARGE MOUNT **PRECAUTIONS** 

**PROTECTION CLOTHING** RESPIRATORY AND

EQUIPMENT.

**ENVIRONMENTAL** REMOVAL OF IGNITION SOURCES. STOP THE LEAK, IF

**PRECAUTIONS** POSSIBLE. **PREVENT** WATERWAY AND LAND

> CONTAMINATION. IF WATERWAY AND LAND

> CONTAMINATION OCCURES. CONTACT APPROPRIATE

**AUTHORITIES** 

**METHODS FOR** SPILL: COVER WITH INERT ABSORBENT MATERIAL,

SAND OR EARTH, REMOVE TO DISPOSAL **CLEANING UP** 

CONTAINER. OBSERVE ALL RELEVANT FEDERAL,

STATE, & LOCAL LAWS.

LEAK: RECOVER BY PUMPING (USING AN EXPLOSION

PROOF PUMP)

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Poly Klear

## 7. HANDLING AND STORAGE

HANDLING KEEP AWAY FROM HEAT AND FLAME- NO SMOKING.

STORAGE STORE IN WELL-VENTILATED PLACE, KEEP COOL. SEAL

CONTAINER TIGHTLY.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING VENTILATION SHOULD BE PROVIDED TO CONTROL

CONTROLS WORKER EXPOSURE AND PREVENT HEALTH RISK

CONTROL PARAMETERS			
TWA	STEL	CEILING	
	PAREKULASS • IC	1.51.0	

## **BIOLOGICAL STANDARDS:**

# PERSONAL PROTECTIVE EQUIPMENT

RESPIRATORY
PROTECTION

RECOMMENDED. IF EXPOSURE EXCEEDS TLV, USE APPRORIATE NIOSH/MSHA APPROVED RESPIRATORY PROTECTIVE EQUIPMENT.

HAND PROTECTION WEAR CHEMICAL/SOLVENT RESISTANT GLOVES

EYES/FACE CHEMICAL GOGGLES/FULL LENGTH FACE SHIELD PROTECTION

SKIN AND BODY WEAR LONG SLEEVES WORK CLOTHING, PROTECTION CHEMCIAL/SOLVENT RESISTANT GLOVES AND

CHEMICAL RESISTANT SHOES

HYGIENIC DO NOT WEAR CONTACT LENS. WASH HANDS MEASURES: THROUGHLY WITH SOAP AND WATER AFTER WORK. WASH CONTAMINATED CLOTHING BEFORE REUSE

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#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE : INTENSE BLUE LIQUID	ODOR: -
ODOUR THRESHOLD: -	MELTING POINT: -
pH :-	BOILING POINT/BOILING RANGE:
EIBER	>150 a RESIN
FLAMMABILITY (SOLID, GAS) -	FLASH POINT: >72
Poly Klear	TEST METHOD : CLOSED CUP
DECOMPOSITION TEMPERATURE: -	FLBERGLKS
AUTO-IGNITION TEMPERTURE: -	EXPOSION LIMITS: -
VAPOUR PRESSURE: mmHg	VAPOR DENSITY:>1
RELATIVE DENSITY: Sp.Gr. 0.810-	SOLUBILITY: NOT SOLUBALE IN
0.920	WATER
PARTITION COEFFICIENT: n-OCTANOL	EVAPORATION RATE: -
/WATER (log Kow) -	
THERELASS - RESIN	FIREIGUAE

## 10. STABILITY AND REACTIVITY

**STABILITY** 

MATERIAL IS CHEMICALLY STABLE UNDER NORMAL AND ANTICIPATED STORAGE AND HANDLING CONDITIONS

**POSSIBLE HAZARDOUS** REACTION

CAN REACT WITH PEROXIDES AND OTHER OXIDIZING

**MATERIALS** 

**CONDITIONS TO** 

STATIC DISCHARGE, SPARK, HEAT AND FIRE SOURCE

AVOID

**AVOID** 

MATERIALS TO PEROXIDES AND OTHER OXIDIZING MATERIALS

**HAZARDOUS DECOMPOSITON PRODUCTS** 

- 1. BURNING MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, COBALT OXIDE, COPPER OXIDE, SODIUM OXIDE FUME.
- UNDER **ACID** CONDITION, **COBALT OCTOATE** DECOMPOSE INTO OCTOANOIC ACID.

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# 11. TOXICOLOGICAL INFORMATION

ROUTES OF EXPOSURE: SKIN, EYE, INHALATION, INGESTION

**INHALATION** MAY CAUSE RESPIRATORY TRACT IRRITATION.

HEADACHE, DIZZY

CAUSE MILD SKIN IRRITATION **SKIN** 

CAUSE EYE IRRITATION EYE

**INGESTION** GASTROINTESTINAL IRRITATION, **VOMITING** 

DEPRESSION. MAY ENTER LUNG AND CAUSE DAMAGE

**ACUTE TOXICITY:** 

COBALT 2-ETHYLHEXANOATE, Co 12%

LD50: >1.55 g/kg (MALE RAT, ORAL); >1.22g/kg (FEMALE RAT, ORAL)

LD50: >10.0 mg/L(Rat, INHALATION) SINGLE DOSE 10.0 mg/L NO MORTALITIES.

LD50: >5g/kg (RABBIT, DERMAL)

**SODIUM 2-ETHYLHEXANOATE** 

LD50: NOT AVAILABLE

NORMAL PARAFFIN

LD50: >5,000 mg/kg (RAT,ORAL)

**MUTAGENICITY: NOT AVAILABLE** 

**CARCIOGENICITY: NOT AVAILABLE** 

**LONG TERM TOXICITY** 

1. PROLONGED CONTACT MAY CAUSE SENSITISATION

2. MAY CAUSE DAMAGE TO BLOOD, KIDNEYS, THE **NERVOUS** SYSTEM, PERIPHERAL **NERVOUS** 

**SYSTEM** 

# 12. ECOLOGICAL INFORMATION

**ECOTOXICITY**:

COBALT 2-ETHYLHEXANOATE, Co 12%

LC50(FISH): GREATER THAN 100% OF TESTED CONCENTRATION (100% OF A

12% COBALT OCTOATE SOLUTION)

EC50(INVERTEBRATES):

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PERSISTENCE AND DEGRADABILITY: -

BIOACCUMULATIVE POTENTIAL: NORMAL PARAFFINES WILL EVAPORATE FROM WATER SURFACE.

MOBILITY IN SOIL: NORMAL PARAFFINES WILL EVAPORAED FROM SOIL SURFACE.

OTHER ADVERSE EFFECTS: IARC : CLASS 2B FOR COBALT METAL POWDER AND COBALTOUS OXIDE

#### 13. DISPOSAL CONSIDERATIONS

METHODS OF DISPOSAL: RECOVER OR RECYCLE WHEN PRACTICAL. OBEY RELEVANT LOCAL, STATE & FEDREAL LAW. DO NOT CONTAMINATE ANY LAKES, STREAMS, PONDS OR UNDERGROUND WATER SUPPLY.

## 14. TRANSPORT INFORMATION

UN NUMBER: NA

UN PROPER SHIPPING NAME: NA

TRANSPORT HAZARD CLASS: NA

PACKING GROUP: -

MARINE POLLUTANT(YES/NO): NO

SPECIFIC TRANSPORT MEASURES AND PRECAUTIONARY CONDITIONS: -

## 15. REGULATORY INFORMATION

APPLICABLE REGULATIONS: OBSERVE ALL RELEVANT LOCAL, STATE & FEDREAL LAW.

# 16. OTHER INFORMATION

**REFERENCES:** <u>www.epa.gov</u> - robust summaries of metal carboxylates

MSDS OF NORMAL PARAFFIN

GHS WEBSITE UN WEBSITE

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# TECHNICAL DATA SHEET

PRODUCT NAME: POLYKLEAR COBALT CLEAR SPECIAL 6%

#### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: POLYKLEAR COBALT CLEAR SPECIAL 6%

CHEMICAL FAMILY: METALLIC SOAP; COBALT BASED CARBOXYLATES COMPLEX

#### 2. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT NAME CAS NUMBER TYPICAL Wt. % **OSHA** 

NOT APPLICABLE COBALT 2-ETHYLHEXANOATE BASED 136-52-7, 15956-58-8, 63.0

1338-14-3, 4454-16-4

METALLIC CARBOXYLATES COMPLEX 3164-85-0, 136-51-6, 19766-89-3, 136-53-8,

NORMAL PARAFFINS 64771-72-8

#### 3. HAZARDS IDENTIFICATION

HEALTH HAZARDSIRRIATATING TO SKIN AND EYES

#### 4. FIRST AID MEASURES

INHALATION: IMMEDIATELY REMOVE TO FRESH AIR. ADMINISTED ARTIFICIAL RESPIRATION IF

BREATHING STOP. KEEP AT REST. CALL FOR PROMPT MEDICAL ATTENTION.

SKIN CONTACT: FLASH PROMPTLY WITH SOAP AND LARGE AMOUNT OF WATER.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. GET

MEDICAL ATTENTION IMMEDIATELY.

INGESTION: IF SWALLOWED, DO NOT INDUCE VOMITING. GET PROMPT MEDICAL ATTENTION.

## 5. FIRE FIGHTING MEASURES

**EXTINGUISHING MEDIA** USE FOAM, DRY CHEMICAL, OR WATER SPRAY TO EXTINGUISH FIRE.

FIRE HAZARDS BURNING MAY PRODUCE CARBON MONOXIDE, CARBON DIOXIDE, COBALT

> OXIDE, CALCIUM OXIDE, IRON OXIDE, MANGANESE OXIDE, NICKEL OXIDE POTASSIUM OXIDE, SODIUM OXIDE, ZINC OXIDE AND ZIRCONIUM OXIDE

FUME. AVOID BREATHING FUMES FROM FIRE EXPOSED MATERIAL

## 6. ACCIDENTAL RELEASE MEASURES

IN CASE OF SPILL OR LEAK STOP THE LEAK, IF POSSIBLE. PREVENT WATERWAY AND LAND

CONTAMINATION.

CONTAIN SPILLED LIQUID WITH SAND OR EARTH.

RECOVER BY PUMPING (USING AN EXPLOSION PROOF PUMP)

IF WATERWAY AND LAND CONTAMINATION OCCURES,

CONTACT APPROPRIATE AUTHORITIES.

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#### 7. HANDLING AND STORAGE

STORAGE: STORE IN A COOL, DRY PLACE.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS: VENTILATION SHOULD BE PROVIDED TO CONTROL WORKER

EXPOSURE AND PROVENT HEALTH RISK.

WEAR LONG SLEEVES, CHEMICAL/SOLVENT RESISTANT GLOVES, PERSONAL PROTECTION:

AND CHEMICAL GOGGLES.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE PURPLE LIQUID 58.00% - 68.00% NONVOLATILE MATTER (ASTM D1644A)

SPECIFIC GRAVITY (25 °C) 0.910 - 1.010

FLASH POINT GREATER THAN 162°F/72.0°C

#### 10. STABILITY AND REACTIVITY

STABILITY THIS MATERIAL IS CHEMICALLY STABLE UNDER

NORMAL AND ANTICIPATED STORAGE AND HANDLING

CONDITIONS.

HAZARDOUS POLYMERIZATION NO

**INCOMPATIBILITY** CAN REACT WITH PEROXIDES AND OTHER OXIDIZING

**MATERIALS** 

HAZARDOUS DECOMPOSITION PRODUCT

#### 11. TOXICOLOGICAL INFORMATION

ACUTE NOT KNOWN

**INGESTION** MILD TOXIC

**SKIN** LOW ORDER OF TOXICITY

FREQUEST OR PROLONGED CONTACT MAY CAUSE MILD SKIN DISCOMFORT

IRRITATING, AND WILL INJURE EYE TISSUE IF NOT REMOVED PROMPTLY **EYE** 

**INHALATION** NEGLIGIBLE HAZARD AT AMBIENT TEMPERATURE

# 12. ECOLOGICAL INFORMATION

## 13. DISPOSAL CONSIDERATIONS

WASTE DISPOSAL RECOVER, RECLAIM OR RECYCLE WHEN PRACTICAL.

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## 14. TRANSPORT INFORMATION

DOT CLASS:

DOT ID NUMBER:

DOT PACK GROUP:

DOT LABEL:

15. REGULATORY INFORMATION

NOT APPLIABLE

16. OTHER INFORMATION

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