



SAFETY DATA SHEET

POL-E-Z® 2706

Section: 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : POL-E-Z® 2706

Other means of identification : Not applicable.

Recommended use : FLOCCULANT

Restrictions on use : Refer to available product literature or ask your local Sales Representative for restrictions on use and dose limits.

Company : Nalco Company
1601 W. Diehl Road
Naperville, Illinois 60563-1198
USA
TEL: (630)305-1000

Emergency telephone number : (800) 424-9300 (24 Hours) CHEMTREC

Issuing date : 11/26/2013

Section: 2. HAZARDS IDENTIFICATION

Emergency Overview

CAUTION

May cause irritation with prolonged contact.
Do not get in eyes, on skin, on clothing. Do not take internally. Use with adequate ventilation. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. After contact with skin, wash immediately with plenty of soap and water. Use a mild soap if available. Protect product from freezing. Water in contact with the product will cause slippery floor conditions. Wear suitable protective clothing, gloves and eye/face protection.
May evolve oxides of carbon (COx) under fire conditions. May evolve oxides of nitrogen (NOx) under fire conditions. May evolve ammonia under fire conditions.

Potential Health Effects

Section: 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No.	Concentration: (%)
Straight Run Middle Distillate	64741-44-2	15.0 - 40.0
Ammonium Chloride	12125-02-9	1.0 - 5.0

Section: 4. FIRST AID MEASURES

In case of eye contact : Wipe or blot away excess material with clean cloth or paper towel. Wash affected areas thoroughly with water. If symptoms develop, seek medical advice.

In case of skin contact : Wipe or blot away excess material with clean cloth or paper towel. Wash affected areas thoroughly with water. If symptoms develop, seek medical advice.

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- If swallowed : Do not induce vomiting without medical advice. Get medical attention.
- If inhaled : Remove to fresh air, treat symptomatically. If symptoms develop, seek medical advice.
- Protection of first-aiders : In event of emergency assess the danger before taking action. Do not put yourself at risk of injury. If in doubt, contact emergency responders. Use personal protective equipment as required.

See toxicological information (Section 11)

Section: 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Foam
Dry powder
Carbon dioxide
Other extinguishing agent suitable for Class B fires
- Unsuitable extinguishing media : Do not use water unless flooding amounts are available.
- Specific hazards during firefighting. : May evolve oxides of carbon (CO_x) under fire conditions.
May evolve oxides of nitrogen (NO_x) under fire conditions.
May evolve ammonia under fire conditions.
- Special protective equipment for firefighters : In case of fire, wear a full face positive-pressure self contained breathing apparatus and protective suit.

Section: 6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Notify appropriate government, occupational health and safety and environmental authorities. Do not touch spilled material. Stop or reduce any leaks if it is safe to do so. Use personal protective equipment recommended in Section 8 (Exposure Controls/Personal Protection).
- Environmental precautions : This product is toxic to fish. It should not be directly discharged into lakes, ponds, streams, waterways or public water supplies.

Section: 7. HANDLING AND STORAGE

- Advice on safe handling : Do not take internally. Have emergency equipment (for fires, spills, leaks, etc.) readily available. Ensure all containers are labeled. Avoid eye and skin contact.
- Conditions for safe storage : Store separately from oxidizers. Store the containers tightly closed.

Section: 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Exposure guidelines have not been established for this product. Available exposure limits for the substance(s) are shown below.

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Components	CAS-No.	Form of exposure	Permissible concentration	Basis
Oil Mist		TWA	5 mg/m ³	OSHA Z1
		TWA (Inhalable fraction)	5 mg/m ³	ACGIH
		TWA (Mist)	5 mg/m ³	NIOSH REL
		STEL (Mist)	10 mg/m ³	NIOSH REL
Ammonium Chloride	12125-02-9	TWA	10 mg/m ³	ACGIH
		STEL	20 mg/m ³	ACGIH
		TWA (Fumes)	10 mg/m ³	NIOSH REL
		STEL (Fumes)	20 mg/m ³	NIOSH REL

Engineering measures : General ventilation is recommended. Use local exhaust ventilation if necessary to control airborne mist and vapor.

Personal protective equipment

Section: 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance : Liquid
Colour : Off-white
Odour : Hydrocarbon
Flash point : > 100 °C
Method: ASTM D 93, Pensky-Martens closed cup

pH : 8.0, 100 %

Odour Threshold : no data available
Melting point/freezing point : -5 °C
Initial boiling point and boiling range : no data available
Evaporation rate : no data available
Flammability (solid, gas) : no data available
Upper explosion limit : no data available
Lower explosion limit : no data available
Vapour pressure : no data available
Relative vapour density : no data available
Relative density : 1.01 - 1.07 (25 °C)
Density : no data available
Water solubility : emulsifiable
Solubility in other solvents : no data available
Partition coefficient: n-octanol/water : no data available
Auto-ignition temperature : no data available

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Thermal decomposition : no data available
Viscosity
Viscosity, dynamic : 5,000 mPa.s (25 °C)
Viscosity, kinematic : no data available
VOC : 22.0 %

Section: 10. STABILITY AND REACTIVITY

Conditions to avoid : Freezing temperatures.
Incompatible materials : Addition of water results in gelling.
Contact with strong oxidizers (e.g. chlorine, peroxides, chromates, nitric acid, perchlorate, concentrated oxygen, permanganate) may generate heat, fires, explosions and/or toxic vapors.
Hazardous decomposition products : Oxides of carbon
Oxides of nitrogen
ammonia

Section: 11. TOXICOLOGICAL INFORMATION

Potential Health Effects

Experience with human exposure

Toxicity

Product

Acute oral toxicity : no data available
Acute inhalation toxicity : no data available
Acute dermal toxicity : no data available
Skin corrosion/irritation : no data available
Serious eye damage/eye irritation : no data available
Respiratory or skin sensitization : no data available
Carcinogenicity : no data available
Reproductive effects : no data available
Germ cell mutagenicity : no data available
Teratogenicity : no data available
STOT - single exposure : no data available

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STOT - repeated exposure : no data available
Aspiration toxicity : no data available

Section: 12. ECOLOGICAL INFORMATION

Ecotoxicity

Product

Toxicity to fish : LC50 Rainbow Trout: 111.7 mg/l
Exposure time: 96 h
Test substance: Similar Product

Toxicity to daphnia and other aquatic invertebrates. : LC50 Daphnia magna: 0.891 mg/l
Exposure time: 48 h
Test substance: Similar Product

Toxicity to algae : no data available

Components

Toxicity to algae : Ammonium Chloride
EC50 : 90.4 mg/l
Exposure time: 72 h

Components

Toxicity to daphnia and other aquatic invertebrates. (Chronic toxicity) : Ammonium Chloride
EC50: 101 mg/l
Exposure time: 48 h
Species: Daphnia magna (Water flea)

Persistence and degradability

no data available

Mobility

The environmental fate was estimated using a level III fugacity model embedded in the EPI (estimation program interface) Suite TM, provided by the US EPA. The model assumes a steady state condition between the total input and output. The level III model does not require equilibrium between the defined media. The information provided is intended to give the user a general estimate of the environmental fate of this product under the defined conditions of the models. If released into the environment this material is expected to distribute to the air, water and soil/sediment in the approximate respective percentages;

Air : <5%
Water : 30 - 50%
Soil : 50 - 70%

The portion in water is expected to float on the surface.

Bioaccumulative potential

no data available

Other information

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no data available

Section: 13. DISPOSAL CONSIDERATIONS

If this product becomes a waste, it is not a hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA) 40 CFR 261, since it does not have the characteristics of Subpart C, nor is it listed under Subpart D.

Disposal methods : As a non-hazardous waste, it is not subject to federal regulation. Consult state or local regulation for any additional handling, treatment or disposal requirements. For disposal, contact a properly licensed waste treatment, storage, disposal or recycling facility.

Section: 14. TRANSPORT INFORMATION

The shipper/consignor/sender is responsible to ensure that the packaging, labeling, and markings are in compliance with the selected mode of transport.

Land transport (DOT)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Air transport (IATA)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Sea transport (IMDG/IMO)

Proper shipping name : PRODUCT IS NOT REGULATED DURING TRANSPORTATION

Section: 15. REGULATORY INFORMATION

California Prop 65 : This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

NSF INTERNATIONAL :

This product has received NSF/International certification under NSF/ANSI Standard 60 in the coagulation and flocculation category. The official name is "Polyacrylamide." Maximum product application dosage is : 3.5 mg/l.

INTERNATIONAL CHEMICAL CONTROL LAWS :

TOXIC SUBSTANCES CONTROL ACT (TSCA)

The substances in this preparation are included on or exempted from the TSCA 8(b) Inventory (40 CFR 710)

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CANADIAN ENVIRONMENTAL PROTECTION ACT (CEPA)

The substance(s) in this preparation are included in or exempted from the Domestic Substance List (DSL).

AUSTRALIA

All substances in this product comply with the National Industrial Chemicals Notification & Assessment Scheme (NICNAS).

CHINA

All substances in this product comply with the Provisions on the Environmental Administration of New Chemical Substances and are listed on or exempt from the Inventory of Existing Chemical Substances China (IECSC).

EUROPE

The substances in this preparation have been reviewed for compliance with the EINECS or ELINCS inventories.

JAPAN

All substances in this product comply with the Law Regulating the Manufacture and Importation Of Chemical Substances and are listed on the Existing and New Chemical Substances list (ENCS).

KOREA

All substances in this product comply with the Toxic Chemical Control Law (TCCL) and are listed on the Existing Chemicals List (ECL)

NEW ZEALAND

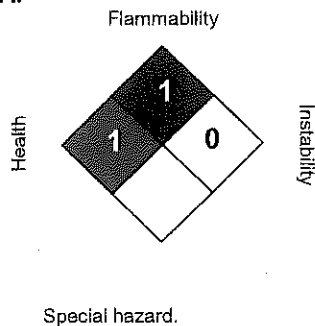
All substances in this product comply with the Hazardous Substances and New Organisms (HSNO) Act 1996, and are listed on or are exempt from the New Zealand Inventory of Chemicals.

PHILIPPINES

All substances in this product comply with the Republic Act 6969 (RA 6969) and are listed on the Philippines Inventory of Chemicals & Chemical Substances (PICCS).

Section: 16. OTHER INFORMATION

NFPA:



HMIS III:

HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	

0 = not significant, 1 = Slight,
2 = Moderate, 3 = High
4 = Extreme, * = Chronic

Revision Date : 11/26/2013
Version Number : 1.9
Prepared By : Regulatory Affairs

REVISED INFORMATION: Significant changes to regulatory or health information for this revision is indicated by a bar in the left-hand margin of the SDS.

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The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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