

SAFETY DATA SHEET

POLY-DISSOLVE

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Compilation date: 22/05/2015

Revision No: 1

Section 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Product name: POLY-DISSOLVE

1.2. Relevant identified uses of the substance or mixture and uses advised against

1.3. Details of the supplier of the safety data sheet

Company name: NORSEKEM LTD
UNIT 6c STOKES FARM
BINFIELD ROAD
WOKINGHAM
BERKSHIRE
RG40 5PR

Email: safety@norsekem.co.uk

1.4. Emergency telephone number

Emergency tel: 01189 899729

Section 2: Hazards identification

2.1. Classification of the substance or mixture

Classification under CLP: STOT SE 3: H335; Aquatic Chronic 2: H411; Asp. Tox. 1: H304; Eye Dam. 1: H318; Flam. Liq. 3: H226; -: EUH066; STOT SE 3: H336

Most important adverse effects: Repeated exposure may cause skin dryness or cracking. Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes serious eye damage. May cause respiratory irritation. May cause drowsiness or dizziness. Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label elements:

Hazard statements: EUH066: Repeated exposure may cause skin dryness or cracking.
H226: Flammable liquid and vapour.
H304: May be fatal if swallowed and enters airways.
H318: Causes serious eye damage.
H335: May cause respiratory irritation.
H336: May cause drowsiness or dizziness.
H411: Toxic to aquatic life with long lasting effects.

Signal words: Danger

Hazard pictograms: GHS02: Flame
GHS05: Corrosion

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GHS07: Exclamation mark

GHS08: Health hazard

GHS09: Environmental



Precautionary statements: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241: Use explosion-proof electrical/ventilating/lighting/.. equipment.

P280: Wear protective gloves/protective clothing/eye protection/face protection.

P301+310: IF SWALLOWED: Immediately call a POISON CENTER/doctor/.

P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing.

Rinse skin with water/shower.

P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.

2.3. Other hazards

Other hazards: In use, may form flammable / explosive vapour-air mixture.

PBT: This product is not identified as a PBT/vPvB substance.

Section 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients:

HYDROCARBONS, C9, AROMATICS - REACH registered number(s): 01-2119455851-35-XXXX

EINECS	CAS	PBT / WEL	CLP Classification	Percent
918-668-5	-	-	Flam. Liq. 3: H226; STOT SE 3: H335; STOT SE 3: H336; Asp. Tox. 1: H304; Aquatic Chronic 2: H411; -: EUH066	>90%

ALCOHOLS, C12-15, ETHOXYLATED

-	106232-83-1	-	Aquatic Acute 1: H400; Eye Dam. 1: H318	1-10%
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Section 4: First aid measures

4.1. Description of first aid measures

Skin contact: Remove all contaminated clothes and footwear immediately unless stuck to skin. Wash immediately with plenty of soap and water.

Eye contact: Flush eyes with water for several minutes. Remove contact lenses if present. If irritation or blurred vision occurs and persists, obtain medical attention.

Ingestion: Immediately rinse mouth and provide fresh air. DO NOT induce vomiting if swallowed chemical is dissolved in petroleum-based material.

Danger of aspiration and development of chemical pneumonia. Get medical attention immediately!

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Inhalation: Remove victim immediately from source of exposure. Move into fresh air and keep at rest. Perform artificial respiration if breathing has stopped. Get medical attention if any discomfort continues.

4.2. Most important symptoms and effects, both acute and delayed

Skin contact: There may be mild irritation at the site of contact. Repeated exposure may cause skin dryness or cracking.

Eye contact: Irritation of eyes and mucous membranes.

Ingestion: Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Inhalation: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Delayed / immediate effects: Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

4.3. Indication of any immediate medical attention and special treatment needed

Immediate / special treatment: Treat symptomatically.

Section 5: Fire-fighting measures

5.1. Extinguishing media

Extinguishing media: Alcohol resistant foam. Water spray. Carbon dioxide. Dry chemical powder. DO NOT USE WATER JET.

5.2. Special hazards arising from the substance or mixture

Exposure hazards: During fire, toxic gases (CO, CO₂) are formed.

5.3. Advice for fire-fighters

Advice for fire-fighters: Wear self-contained breathing apparatus. Wear protective clothing to prevent contact with skin and eyes. Keep run-off water out of sewers and water sources. Dam for water control.

Section 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions: Ensure suitable personal protection (including respiratory protection) during removal of spillages in a confined area. Take precautionary measures against static discharges. Do not smoke. Avoid inhalation of vapours and contact with skin and eyes.

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6.2. Environmental precautions

Environmental precautions: Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3. Methods and material for containment and cleaning up

Clean-up procedures: Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method. Do not use equipment in clean-up procedure which may produce sparks.

6.4. Reference to other sections

Reference to other sections: Refer to section 8 of SDS. Refer to section 13 of SDS.

Section 7: Handling and storage

7.1. Precautions for safe handling

Handling requirements: Smoking is forbidden. Use non-sparking tools. Ensure there is sufficient ventilation of the area. Avoid the formation or spread of mists in the air.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions: Store in a cool, well ventilated area. Keep container tightly closed. Keep away from sources of ignition. Prevent the build up of electrostatic charge in the immediate area. Ensure lighting and electrical equipment are not a source of ignition.

7.3. Specific end use(s)

Specific end use(s): No data available.

Section 8: Exposure controls/personal protection

8.1. Control parameters

Hazardous ingredients:

HYDROCARBONS, C9, AROMATICS

Workplace exposure limits:

Respirable dust

State	8 hour TWA	15 min. STEL	8 hour TWA	15 min. STEL
EU	100 mg/m ³	-	-	-

DNEL/PNEC Values

Hazardous ingredients:

HYDROCARBONS, C9, AROMATICS

Type	Exposure	Value	Population	Effect
DNEL	Dermal - Long Term	25 mg/kg/day	Workers	-
DNEL	Inhalation - Long Term	150 mg/m ³	Workers	-

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DNEL	Dermal - Long Term	11 mg/kg/day	Consumers	-
DNEL	Inhalation - Long Term	32 mg/m ³	Consumers	-
DNEL	Oral	11 mg/kg/day	Consumers	-

8.2. Exposure controls

Engineering measures: Ensure there is sufficient ventilation of the area. Ensure lighting and electrical equipment are not a source of ignition.

Respiratory protection: If ventilation is insufficient, suitable respiratory protection must be provided. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Check that mask fits tight and change filter regularly.

Hand protection: Protective gloves must be used if there is a risk of direct contact or splash. Be aware that the liquid may penetrate the gloves. Frequent change is advisable.

Eye protection: Wear splash-proof eye goggles to prevent any possibility of eye contact. If risk of splashing, wear safety goggles or face shield.

Skin protection: Protective clothing.

Section 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

State: Liquid

Colour: Colourless

Odour: Aromatic Hydrocarbons

Evaporation rate: 36 (EtEt=1)

Viscosity: Non-viscous

Kinematic viscosity: 0.7 - 1.7

Viscosity test method: ASTM D445 @ 20°C

Boiling point/range°C: 140 - 200

upper: 7.0

Vapour pressure: <10 hPa 20

Flammability limits %: lower: 0.7

Flash point°C: >35

Relative density: 0.80 - 0.95

9.2. Other information

Other information: No data available.

Section 10: Stability and reactivity

10.1. Reactivity

Reactivity: Stable under recommended transport or storage conditions.

10.2. Chemical stability

Chemical stability: Stable under normal conditions. Stable at room temperature.

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10.3. Possibility of hazardous reactions

Hazardous reactions: Hazardous Polymerisation. Will not polymerise.

10.4. Conditions to avoid

Conditions to avoid: Heat. Hot surfaces. Sources of ignition. Flames.

10.5. Incompatible materials

Materials to avoid: Strong oxidising agents.

10.6. Hazardous decomposition products

Haz. decomp. products: None at ambient temperatures. Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

Section 11: Toxicological information

11.1. Information on toxicological effects

Hazardous ingredients:

HYDROCARBONS, C9, AROMATICS

DERMAL	RBT	LD50	>3160	mg/kg
ORAL	RAT	LD50	3492	mg/kg
VAPOURS	RAT	4H LC50	>6193	-

Relevant hazards for substance:

Hazard	Route	Basis
Serious eye damage/irritation	OPT	Hazardous: calculated
STOT-single exposure	INH	Hazardous: calculated
Aspiration hazard	-	Hazardous: calculated

Symptoms / routes of exposure

Skin contact: There may be mild irritation at the site of contact. Repeated exposure may cause skin dryness or cracking.

Eye contact: Irritation of eyes and mucous membranes.

Ingestion: Harmful: may cause lung damage if swallowed. Pneumonia may be the result if vomited material containing solvents reaches the lungs.

Inhalation: Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia. Contains organic solvents which in case of overexposure may depress the central nervous system causing dizziness and intoxication.

Delayed / immediate effects: Skin irritation. Irritation of eyes and mucous membranes. High concentrations of vapours may irritate respiratory system and lead to headache, fatigue, nausea and vomiting.

Other information: Prolonged or repeated contact with used oil may cause serious skin diseases, such as

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dermatitis and skin cancer. Prolonged or frequent inhalation of vapours in high concentrations may cause permanent damage to the nervous system, including the brain.

Section 12: Ecological information

12.1. Toxicity

Hazardous ingredients:

HYDROCARBONS, C9, AROMATICS

Daphnia magna	48H EC50	3.2	mg/l
RAINBOW TROUT (Oncorhynchus mykiss)	96H LC50	9.2	mg/l

12.2. Persistence and degradability

Persistence and degradability: Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulative potential: Substance is a UVCB. Standard tests for this endpoint are not appropriate.

12.4. Mobility in soil

Mobility: Substance is a UVCB. Standard tests for this endpoint are not applicable.

12.5. Results of PBT and vPvB assessment

PBT identification: This product is not identified as a PBT/vPvB substance.

12.6. Other adverse effects

Other adverse effects: Not available.

Section 13: Disposal considerations

13.1. Waste treatment methods

Disposal operations: Dispose of waste and residues in accordance with local authority requirements. Do not allow runoff to sewer, waterway or ground.

Recovery operations: Hazardous Waste EWC NUMBER: Allocation of a waste code number in accordance with the European Waste Catalogue, should be carried out in agreement with an EA authorised waste disposal company.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

Section 14: Transport information

14.1. UN number

UN number: UN1268

14.2. UN proper shipping name

Shipping name: PETROLEUM DISTILLATES, N.O.S.

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14.3. Transport hazard class(es)

Transport class: 3

14.4. Packing group

Packing group: III

14.5. Environmental hazards

Environmentally hazardous: Yes

Marine pollutant: No

14.6. Special precautions for user

Special precautions: No special precautions.

Tunnel code: D/E

Transport category: 3

Section 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Specific regulations: Not applicable.

15.2. Chemical Safety Assessment

Chemical safety assessment: A chemical safety assessment has been carried out for the substance or the mixture by the supplier.

Section 16: Other information

Other information

Other information: This safety data sheet is prepared in accordance with Commission Regulation (EU) No 453/2010.

* indicates text in the SDS which has changed since the last revision.

Phrases used in s.2 and s.3: EUH066: Repeated exposure may cause skin dryness or cracking.

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H318: Causes serious eye damage.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H400: Very toxic to aquatic life.

H411: Toxic to aquatic life with long lasting effects.

Legal disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.