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# SAFETY DATA SHEET

## DEPOSITROL SF5101E (Dissolv SF 63E)

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

**Trade name or designation of the mixture** DEPOSITROL SF5101E (Dissolv SF 63E)

**Date of first issue** 20/01/2005

**Version number** 5.4

**Revision date** 26/08/2020

**Supersedes date** 06/06/2019

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

**Identified uses** Deposit control agent

**Uses advised against** None known.

#### 1.3. Details of the supplier of the safety data sheet

JV Process and Water Chemicals LLC  
Address: Street V. Kadirov 10, Chirchik city,  
Tashkent Region, Republic of Uzbekistan, 111727  
Tel: +99871 209 10 40  
Email address: info@pwch.uz  
www.pwch.uz

#### 1.4. Emergency telephone number

Multilingual emergency number (24/7)

Street V. Kadirov 10, Chirchik city,  
Tashkent Region,  
Republic of Uzbekistan, 111727

Tel: +99871 209 10 40

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 as amended

##### Physical hazards

Corrosive to metals Category 1 H290 - May be corrosive to metals.

##### Health hazards

Skin corrosion/irritation Category 1 H314 - Causes severe skin burns and eye damage.

Serious eye damage/eye irritation Category 1 H318 - Causes serious eye damage.

#### 2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

**Contains:** Alcohols, C10, alkoxyated, Sodium hydroxide



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Version: 5.4  
Effective date: 26/08/2020  
Previous Date: 06/06/2019

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### Hazard pictograms



### Signal word

Danger

### Hazard statements

H290 May be corrosive to metals.  
H314 Causes severe skin burns and eye damage.

### Precautionary statements

#### Prevention

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

#### Response

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.  
P303 + P361 + P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water.  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTRE/doctor.  
P390 Absorb spillage to prevent material-damage.

#### Storage

Not available.

#### Disposal

Not available.

### Supplemental label information

None.

### 2.3. Other hazards

The classification as corrosive is due to the extreme pH.

## SECTION 3: Composition/information on ingredients

### Mixtures

#### Chemical description

Blend of nonionic surfactants in aqueous solution

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Alcohols, C10, alkoxyated	10 - < 20	166736-08-9	-	-	
<b>Classification:</b>	Acute Tox. 4;H302, Eye Dam. 1;H318				
Sodium hydroxide	<= 0,3	1310-73-2 215-185-5	01-2119457892-27	011-002-00-6	
<b>Classification:</b>	Met. Corr. 1;H290, Skin Corr. 1A;H314				

The classification of the above substance(s) is given, including the hazard class, category code and hazard statements which are assigned in accordance with their physicochemical, health and environmental hazards. Please refer to section 16 where the full text of each relevant H-statement is listed.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

**Inhalation** Move to fresh air.  
Get medical attention immediately.

**Skin contact** Take off immediately all contaminated clothing.  
Wash off immediately with plenty of water for at least 15 minutes.  
Get medical attention immediately.

**Eye contact** Keep eyelids apart.  
Rinse immediately with plenty of water for at least 15 minutes.  
Get medical attention immediately.

**Ingestion** Rinse mouth.  
Do not give anything to eat or drink.  
Do not induce vomiting.  
Call a physician or poison control centre immediately.



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

**4.3. Indication of any immediate medical attention and special treatment needed** Not available.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

**Suitable extinguishing media** Dry chemical, CO<sub>2</sub>, water spray or regular foam. Foam or water create a slippery condition. Spread sand or grit.

**Unsuitable extinguishing media** Not available.

**5.2. Special hazards arising from the substance or mixture** Oxides of carbon evolved in fire.

#### 5.3. Advice for firefighters

**Special protective equipment for firefighters** Self contained breathing apparatus. (CEN : EN 137)  
 Protective clothing (CEN : EN 469)  
 Protective gloves (CEN : EN 659)  
 Helmet (CEN : EN 443)

**Special fire fighting procedures** Use standard firefighting procedures and consider the hazards of other involved materials. Prevent spillage and fire-fighting water from entering in public sewers or the immediate environment.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

**For non-emergency personnel** Wear protective clothing, gloves and safety goggles.

**For emergency responders** Use personal protection recommended in Section 8 of the SDS.

**6.2. Environmental precautions** Prevent from entering sewers or the immediate environment. Accidental release of large quantities into the aquatic environment may harm aquatic organisms.

**6.3. Methods and material for containment and cleaning up** Spills of the product are very slippery. Absorb onto inert material and dispose of according to Hazardous Waste Regulations. Remove small spills with plenty of water. Spread sand/grit.

**6.4. Reference to other sections** Please refer also to section no. 8 'Exposure controls' for further information.

### SECTION 7: Handling and storage

**7.1. Precautions for safe handling** Normal chemical handling.

**7.2. Conditions for safe storage, including any incompatibilities** Protect from freezing. Store containers closed when not in use. Store at temperatures below 35°C

**7.3. Specific end use(s)** Only for professional and industrial users

**Shelf life** 720 days

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

##### Occupational exposure limits

##### UK. EH40 Workplace Exposure Limits (WELs)

Components	Type	Value
Sodium hydroxide (CAS 1310-73-2)	STEL	2 mg/m <sup>3</sup>

**Biological limit values** No biological exposure limits noted for the ingredient(s).



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**Recommended monitoring procedures** Not available.

**Derived no effect levels (DNELs)**

Workers

Components	Value	Assessment factor	Notes
Sodium hydroxide (CAS 1310-73-2)			
Long-term, Local, Inhalation	1 mg/m3	1	
Short-term, Local, Dermal	2 mg/kg/day		
Short-term, Local, Inhalation	2 mg/m3		

**Predicted no effect concentrations (PNECs)** Not available.

**8.2. Exposure controls**

**Appropriate engineering controls** Adequate ventilation to maintain air contaminants below exposure limits.  
Eye wash facilities and emergency shower must be available when handling this product.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Splash proof chemical goggles.  
Face shield.  
CEN : EN 166

**Skin protection**

**- Hand protection** Gauntlet type neoprene gloves (Protection against unintentional short-term contact)  
Gauntlet type nitrile gloves (Protection against unintentional short-term contact)  
Coating thickness: 0.5 mm  
Penetration time: > 480 min  
CEN : EN 374-1/2/3/4; EN 420

**- Other** Chemical resistant apron.  
CEN : EN ISO 13688; EN ISO 6529; EN 14605

**Respiratory protection** In case of insufficient ventilation, use a breathing mask with filter type: A2-P2  
CEN : EN 140; EN 14387

**Thermal hazards** Not available.

**Environmental exposure controls** Prevent from entering in public sewers or the immediate environment.

### SECTION 9: Physical and chemical properties

**9.1. Information on basic physical and chemical properties**

**Appearance**

**Colour** Colourless

**Physical state** Liquid

**Odour** Slight

**Odour threshold** Not available.

**pH (concentrated product)** 12,7

**pH in aqueous solution** 11,3 (5% SOL.)

**Melting point/freezing point** -1 °C

**Initial boiling point and boiling range** 104 °C

**Flash point** Not applicable.

**Evaporation rate** < 1 (Ether = 1)

**Flammability (solid, gas)** Not applicable.

**Upper/lower flammability or explosive limits**

**Flammability limit - lower (%)** Not available.

**Flammability limit - upper (%)** Not available.

**Vapour pressure** 18 mm Hg



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Vapour pressure temp.	21 °C
Vapour density	< 1 (Air = 1)
Relative density	1,02
Relative density temperature	21 °C
<b>Solubility</b>	
Solubility (water)	100 %
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	Not applicable.
Decomposition temperature	Not available.
Viscosity	34 cps
Viscosity temperature	21 °C
Explosive properties	Not available.
Oxidising properties	Not available.
<b>9.2. Other information</b>	
Pour point	2 °C
Shelf life	720 days
VOC	0 % (Estimated)

### SECTION 10: Stability and reactivity

10.1. Reactivity	Not available.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	Not applicable.
10.4. Conditions to avoid	Protect from freezing.
10.5. Incompatible materials	Avoid contact with strong oxidisers.
10.6. Hazardous decomposition products	Oxides of carbon evolved in fire.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

Product	Test Results
DEPOSITROL SF5101E (Dissolv SF 63E) (Mixture)	Acute Dermal LD50 Rabbit: > 5000 mg/kg (Calculated according to GHS additivity formula) Acute Oral LD50 Rat: 3333 mg/kg (Calculated according to GHS additivity formula (Category 5))
Components	Test Results
Sodium hydroxide (1310-73-2)	Acute Dermal LD50 Rabbit: 1350 mg/kg Acute Oral LD50 Rabbit: > 500 mg/kg
Alcohols, C10, alkoxyated (166736-08-9)	Acute Oral LD50 Rat: 500 - 2000 mg/kg
<b>Acute toxicity</b>	Based on available data, the classification criteria are not met.
<b>Skin corrosion/irritation</b>	Causes severe skin burns and eye damage.
<b>Serious eye damage/irritation</b>	Causes serious eye damage.
<b>Respiratory or skin sensitisation</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - repeated exposure</b>	Based on available data, the classification criteria are not met.
<b>Specific target organ toxicity - single exposure</b>	Based on available data, the classification criteria are not met.



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<b>Carcinogenicity</b>	Based on available data, the classification criteria are not met.
<b>Germ cell mutagenicity</b>	Based on available data, the classification criteria are not met.
<b>Reproductive toxicity</b>	Based on available data, the classification criteria are not met.

### Information on likely routes of exposure

<b>Ingestion</b>	Causes digestive tract burns.
<b>Inhalation</b>	May cause irritation to the respiratory system.
<b>Skin contact</b>	Causes severe skin burns.
<b>Eye contact</b>	Causes serious eye damage.
<b>Symptoms</b>	Not available.
<b>Aspiration hazard</b>	Based on available data, the classification criteria are not met.
<b>Mixture versus substance information</b>	None known.
<b>Other information</b>	Not available.

## SECTION 12: Ecological information

### 12.1. Toxicity

Product	Species		Test Results
DEPOSITROL SF5101E (Dissolv SF 63E) (CAS Mixture)			
<b>Aquatic</b>			
Crustacea	LC50	Daphnia magna	162,5 mg/l, Static Renewal Bioassay, 48 hour
	NOEL	Daphnia magna	50 mg/l, Static Renewal Bioassay, 48 hour
Fish	LC50	Fathead minnow	114,9 mg/l, Static Renewal Bioassay, 96 hour
		Rainbow trout	141,4 mg/l, Static Renewal Bioassay, 96 hour
	NOEL	Fathead minnow	50 mg/l, Static Renewal Bioassay, 96 hour
		Rainbow trout	100 mg/l, Static Renewal Bioassay, 96 hour

### 12.2. Persistence and degradability

- COD (mgO<sub>2</sub>/g) 453 (calculated data)
- BOD 5 (mgO<sub>2</sub>/g) No information available.
- BOD 28 (mgO<sub>2</sub>/g) Not available.
- TOC (mg C/g) Not available.

12.3. Bioaccumulative potential Not available.

Partition coefficient n-octanol/water (log K<sub>ow</sub>) Not available.

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil Not available.

12.5. Results of PBT and vPvB assessment Not a PBT or vPvB substance or mixture.

12.6. Other adverse effects Not available.

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods



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<b>Contaminated packaging</b>	According to Hazardous Waste Regulations.  EWC ( European Waste Code ) recommendation : 15 01 10 15 Waste packaging; absorbents, wiping cloths, filter materials and protective clothing not otherwise specified. 15 01 Packaging (including separately collected municipal packaging waste). 15 01 10 Packaging containing residues of or contaminated by dangerous substances. Depending on the origin and state of the waste, other EWC numbers may be applicable too.
<b>Disposal methods/information</b>	According to Hazardous Waste Regulations.  EWC ( European Waste Code ) recommendation : 16 03 05 16 Wastes not otherwise specified in the list. 16 03 Off-specification batches and unused products. 16 03 05 Organic wastes containing dangerous substances. Depending on the origin and state of the waste, other EWC numbers may be applicable too.

### SECTION 14: Transport information

#### ADR

14.1. UN number	UN1824
14.2. UN proper shipping name	Sodium hydroxide solution
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	-
Tunnel restriction code (E)	
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not available.

#### RID

14.1. UN number	UN1824
14.2. UN proper shipping name	Sodium hydroxide solution
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	-
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not available.

#### ADN

14.1. UN number	UN1824
14.2. UN proper shipping name	Sodium hydroxide solution
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	-
14.4. Packing group	II
14.5. Environmental hazards	No.
14.6. Special precautions for user	Not available.

#### IATA

14.1. UN number	UN1824
14.2. UN proper shipping name	Sodium hydroxide solution
14.3. Transport hazard class(es)	
Class	8
Subsidiary risk	-
14.4. Packing group	II



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14.5. Environmental hazards No.  
ERG Code Not available.  
14.6. Special precautions Not available.  
for user

#### IMDG

14.1. UN number UN1824  
14.2. UN proper shipping name Sodium hydroxide solution  
14.3. Transport hazard class(es)  
Class 8  
Subsidiary risk -  
14.4. Packing group II  
14.5. Environmental hazards  
Marine pollutant No.  
EmS F-A, S-B  
14.6. Special precautions Not available.  
for user  
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code This substance/mixture is not intended to be transported in bulk.

ADN; ADR; IATA; IMDG; RID



## SECTION 15: Regulatory information

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

#### EU regulations

Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended  
Not listed.  
Regulation (EC) No. 850/2004 On persistent organic pollutants, Annex I as amended  
Not listed.  
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended  
Not listed.  
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended  
Not listed.  
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended  
Not listed.  
Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended  
Not listed.  
Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended  
Not listed.  
Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA  
Not listed.

#### Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended  
Not listed.





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### Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

### Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

Not listed.

### National regulations

Not available.

### 15.2. Chemical safety assessment

Not available.

### NSF Registered and/or meets USDA (according to 1998 guidelines):

Registration No. – 149835

Category Code(s):

G5 Cooling and retort water treatment products

G7 Boiler, steam line treatment products – nonfood contact

### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## SECTION 16: Other information

### List of abbreviations

COD: Chemical Oxygen Demand

EC-No: European Commission Number

IATA: International Air Transport Association

CAS: Chemical Abstract Service.

CLP: Classification, Labeling and Packaging REGULATION (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures.

CEN: European Committee for Standardization (Comité Européen de Normalisation).

TWA: Time Weighted Average.

STEL: Short-term Exposure Limit.

LD50: Lethal Dose 50%.

LC50: Lethal Concentration 50%.

EC50: Effective Concentration 50%.

NOEL: No observed effect level.

BOD: Biochemical oxygen demand.

TOC: Total Organic Carbon.

ADR: European agreement concerning the international carriage of dangerous goods by road (Accord européen relatif transport des marchandises dangereuses par route).

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures).

IMDG Code: International Maritime Dangerous Goods Code.

RID: Regulations concerning the international carriage of dangerous goods by rail (Règlement International concernant le transport de marchandises dangereuses par chemin de fer).

Safety data sheets of raw materials.

### References

#### Information on evaluation method leading to the classification of mixture

The physical, health and environmental hazards of this mixture are assessed by applying the classification criteria for each hazard class or differentiation in Parts 2 to 5 of Annex I to Regulation (EC) No 1272/2008 (CLP).

#### Full text of any H-statements not written out in full under Sections 2 to 15

H290 May be corrosive to metals.

H302 Harmful if swallowed.



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<b>Revision information</b>	H314 Causes severe skin burns and eye damage. H318 Causes serious eye damage. SECTION 3: Composition/information on ingredients: Composition comments SECTION 8: Exposure controls/personal protection: - Hand protection Physical & Chemical Properties: Multiple Properties SECTION 11: Toxicological information: Acute toxicity SECTION 11: Toxicological information: Carcinogenicity SECTION 11: Toxicological information: Germ cell mutagenicity SECTION 11: Toxicological information: Reproductive toxicity SECTION 11: Toxicological information: Respiratory or skin sensitisation SECTION 11: Toxicological information: Specific target organ toxicity - repeated exposure SECTION 11: Toxicological information: Specific target organ toxicity - single exposure SECTION 16: Other information: Further information GHS: Classification
<b>Training information</b>	Provide training on safe handling while considering the type of application and exposure scenarios.
<b>Based on EC Directive / Regulations</b>	(EC) No 1907/2006 (REACH) (EU) 2015/830 (EC) No 1272/2008 (EU) No 1357/2014
<b>Further information</b>	Correction in Section: 8,11