

SAFETY DATA SHEET

Revision Date: 6/3/2023

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

***1.1 Product identifier**

***Trade name: DYNAPlas SP 449F**

*** Chemical composition:** Aqueous solution of Sodium polydinaphthene-methane-sulphonate

*** 1.2 Relevant identified uses of the substance or mixture and uses advised against** No further relevant information available.

*** Application of the substance / the mixture:** Water reducing, super-plasticizing admixture.

*** 1.3 Details of the supplier of the safety data sheet**

Manufacturer / Supplier:

SCL (TRINIDAD) LIMITED
45, Saddle Road,
San Juan, Trinidad, West Indies
Tel. 1 868 675 5555
Fax. 1 868 638 6302
Website: sales@scl-group.com

*** 1.4 Emergency telephone number:**

Tel: 1 868 675 5555

SECTION 2: Hazards identification

*** 2.1 Classification of the substance or mixture**

***** Classification according to Regulation (EC) No 1272/2008 The product is not classified according to the CLP regulation.

***** Classification according to Directive 67/548/EEC or Directive 1999/45/EC Not applicable.

***** Information concerning particular hazards for human and environment:

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

*** 2.2 Label elements**

***** Labelling according to EU guidelines:

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations under EU Directives and the Ordinance on Hazardous Materials (German GefStoffV).

*** 2.3 Other hazards**

***** Results of PBT and vPvB assessment

***** PBT: Not applicable.

***** vPvB: Not applicable

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TRINIDAD | JAMAICA | ST. LUCIA | GUYANA

SECTION 3: Composition/information on ingredients

- * **3.2 Chemical characterization: Mixture**
- * Description: Mixture of not dangerous substances
- * Dangerous components: Not applicable
- * SVHC Not present
- * Additional information: Complete text of R phrases and H sentences is available in the section 16.

SECTION 4: First aid measures

- * **4.1 Description of first aid measures**
- * General information: No special measures required.
- * After inhalation: Supply fresh air; consult doctor in case of complaints.
- * After skin contact: Generally, the product does not irritate the skin.
- * After eye contact: Rinse opened eye for several minutes under running water.
- * After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.
- * **4.2 Most important symptoms and effects, both acute and delayed:** No further relevant information available.
- * **4.3 Indication of any immediate medical attention and special treatment needed:** No further relevant information available.

SECTION 5: Firefighting measures

- * **5.1 Extinguishing media**
- * Suitable extinguishing agents:
Use fire extinguishing methods suitable to surrounding conditions.
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- * **5.2 Special hazards arising from the substance or mixture**
In the event of fire the following can be released: carbon dioxide, carbon monoxide
- * **5.3 Advice for firefighters**
- * Protective equipment: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6: Accidental release measures

- * **6.1 Personal precautions, protective equipment and emergency procedures** Refer to point 8
- * **6.2 Environmental precautions: Dilute with plenty of water.**
Do not allow the undiluted product to enter municipal sewers / surface / ground water systems.
- * **6.3 Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- * **6.4 Reference to other sections**
No dangerous substances are released.
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

SECTION 7: Handling and storage

- * **7.1 Precautions for safe handling** No special measures required.
- * Information about fire - and explosion protection: No special measures required.

Hygiene measures : No smoking, eating or drinking allowed when using this product. Wash hands before breaks and at end of work shift.
Remove soiled or soaked clothing immediately. Avoid contact with eyes and skin.
Wash before reuse.

* 7.2 Conditions for safe storage, including any incompatibilities

* Storage:

* Requirements to be met by storerooms and receptacles: No special requirements.

Information about storage in one common storage facility: Not required.

* Further information about storage conditions: None.

* Storage class:

* Class according to regulation on flammable liquids: Void

* 7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

* Additional information about design of technical facilities: No further data; see item 7.

* 8.1 Control parameters

* Ingredients with limit values that require monitoring at the workplace:

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

* 8.2 Exposure controls

* Personal protective equipment:

* General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

* Body protection: Light protective clothing is required.

* Respiratory protection: Not required.

* Protection of hands:

* Material of gloves: Rubber gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation (EN 374).

* Eye protection: Goggles recommended during refilling

SECTION 9: Physical and chemical properties

* 9.1 Information on basic physical and chemical properties

* General Information

* Appearance:

Form: Liquid

Colour: Dark brown.

* Odour: Characteristic.

* Odour threshold: Not determined.

* pH-value at 20 °C: 7

* Change in condition

Melting point/Melting range: ~ 0 °C

Boiling point/Boiling range: > 100 °C

* Flash point: > 150 °C

* Flammability (solid, gaseous): Not applicable.

* Ignition temperature:

Decomposition temperature: Not determined.

*Self-igniting:	Product is not self-igniting.
* Danger of explosion:	Product does not present an explosion hazard.
* Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
* Vapour pressure at 20 °C:	23 hPa
* Specific Gravity at 20 °C:	1.200
* Relative density	Not determined.
* Vapour density	Not determined.
* Evaporation rate	Not determined.
* Solubility in / Miscibility with water:	Fully miscible.
* Partition coefficient (n-octanol/water):	Not determined.
* Viscosity:	
Dynamic at 20 °C:	140 mPas (OECD 111)
Kinematic:	Not determined.
* Solvent content:	
Organic solvents:	0.0 %
* 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

* 10.1 Reactivity	
* 10.2 Chemical stability	
* Thermal decomposition 1 conditions to be avoided:	No decomposition if used according to specifications.
* 10.3 Possibility of hazardous reactions	No dangerous reactions known.
* 10.4 Conditions to avoid	No further relevant information available.
* 10.5 Incompatible materials:	No further relevant information available.
* 10.6 Hazardous decomposition products:	
For combustion during a fire:	No further relevant information available.

SECTION 11: Toxicological information

* 11.1 Information on toxicological effects	
* Acute toxicity:	
There is no data available on the product itself; the information given hereafter concern the toxicological behaviour of its components.	
Literature data state LD-50 (oral-rat)	> 2000 mg/Kg.
* Primary irritant effect:	
* on the skin (Rabbit OECD 404):	No irritating effect.
* on the eye (Rabbit OECD 405):	No irritating effect.
* Sensitization (Guinea pig OECD 406):	No sensitizing effects known.
* Additional toxicological information:	
The product is not subject to classification according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version.	
When used and handled according to specifications, the product does not have any harmful effects to our experience and the information provided to us.	

US. National Toxicology Program (NTP) Report on Carcinogens

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

US. IARC Monographs on Occupational Exposures to Chemical Agents

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001 -1050)

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA

US. ACGIH Threshold Limit Values

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH

SECTION 12: Ecological information*** 12.1 Toxicity**

Aquaticity, invertebrates

Species: Daphnia magna
Exposure duration: 48 h
EC50: ca. 12.4 mg/l
Method: OECD 202

Aquaticity, algae / aquatic plants:

no data available

Toxicity in microorganisms:

EC0: > 70 mg/l

chronic toxicity in fish:

no data available

*** 12.2 Persistence and degradability**

> 70 % OECD 302 B

*** COD (Std Method 5220 D):**

600 mg/g

*** MBAS:**

0 mg/g

*** BIAS:**

0 mg/g

*** 12.3 Bio accumulative potential**

No further relevant information available

*** 12.4 Mobility in soil**

No further relevant information available.

*** Additional ecological information:***** General notes:**

Water hazard class 1 (German Regulation): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or public sewage system

*** 12.5 Results of PBT and vPvB assessment**

* PBT: Not applicable.

* vPvB: Not applicable.

* 12.6 Other adverse effects: No further relevant information available.

SECTION 13: Disposal considerations*** 13.1 Waste treatment methods***** Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach public sewage system.

*** Uncleaned packaging:**

* Recommendation: Disposal must be made according to official regulations.

* Recommended cleansing agents: Water, if necessary together with cleansing agents.

SECTION 14: Transport information

* 14.1 UN-Number	
*ADR, ADN, 1MDG, IATA	Not applicable
* 14.2 UN proper shipping name	
*ADR, ADN, IMDG, IATA	Not applicable
* 14.3 Transport hazard class(es)	
*ADR, ADN, 1MDG, IATA	
* Class	Not applicable
* 14.4 Packing group	
*ADR, IMDG, IATA	Not applicable
* 14.5 Environmental hazards:	
*Marine pollutant:	No
* 14.6 Special precautions for user	Not applicable.
* 14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code -	Not applicable.
* Transport/Additional information:	
*ADR Remarks:	Not dangerous goods for transport by road.
*IMDG Remarks:	Not dangerous goods for transport by sea.
* IATA Remarks:	Not dangerous goods for transport by air

SECTION 15: Regulatory information

- * 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- * Philippines Inventory of Chemicals and Chemical Substances
 - None of the ingredients is listed.
- *Australian Inventory of Chemical Substances
 - None of the ingredients is listed.
- * Chemical safety assessment POLYMERS are REACH 1907/2006-CE Registration TOTALLY EXEMPTED
- * National regulations:
- *ABM Classification: 10
- * Water hazard class: Water hazard class 1(VVGK 1) (Self-assessment): slightly hazardous for water.

US regulations:

SARA Title III Section 311/312 Hazard Categories: Acute Health Hazard

State Right to Know: No components subject to "Right-To-Know" legislation in the following States: NJ, PA, MA and RI

SARA 313: This product contains no SARA Title III, Section 313 listed chemicals.

SARA EHS: NO

SECTION 16: Other information

Relevant H phrases from chapter 3

H302: Harmful if swallowed.

H319: Causes serious eye irritation.

The Information contained herein is based on the present state of our knowledge and in compliance with 91/155/EC Directive (subsequent modifications and integrations) and 1907/2006/EC Regulation. However, we make no guarantees concerning specific product features and shall not establish a legally valid contractual relationship.

it is prohibited to use the product for any purposes different than those specified in the technical sheet and without receiving written instructions. We take no responsibility for unauthorized use.

It is always the responsibility of the user to take all necessary steps in order to assure compliance with all current local, state, and Federal regulations as for hygiene, safety and environment protection.

The information in this MSDS is meant only as a description of the safety requirements of our product. It is not to be considered as a guarantee of the product properties.

Issue Date: March 6th 2017

Version: First Issue

Replaces: New

Number of pages: 7

SDS Reference No.: AD-SP 449F/170306

Authorised by: FM

*** Abbreviations and acronyms:**

RID: Reglement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the international Transport of Dangerous Goods by Rail)

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

ADR: Accord europeen sur le transport des marchandises dangereuses per Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

VbF: Verordnung Uber brennbare Flüssigkeiten Österreich (Ordinance on the storage of combustible liquids, Austria)

***Sources**

NIOSH - Registry of toxic effects of chemical substances (1993)

CES10 - Classification and labelling of anionic, nonionic surfactants (01/2000)

SAX'S Dangerous Properties of Industrial Materials (1993)

ACGIH "2001 TLV"

TLV "2000/39/CE"

R.D.Swisher - Surfactants biodegradation

ECDIN DB

KBwS list