Safety Data Sheet

Last Revised Jan '17

ProDyne

Section 1. Product and Company Identification

Product ID/Product Name	**ProDyne**
Recommended Use	**Non-Foaming Drilling Detergent**
Supplier Information	**ProAction Fluids 9706 St. Vincent Ave Shreveport, LA 71106**
In case of emergency	**(866)-290-5029**

Section 2. Hazards Identification

GHS Classification

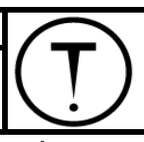
Health Hazards	
Acute Toxicity	Category 4
Skin Corrosion/Irritation	Category 3
Skin Sensitizer	Category 1
Eye Damage/Eye Irritation	Category 1

Physical Hazards	
Flammable Liquid	Category 4

GHS Labels:

Signal Word: **Danger**

WHMIS Classification: Class D, Division 2, Subdivision B



Hazard Statements	
H317	May cause an allergic reaction
H318	Causes serious eye damage

Precautionary Statements	
P261	Avoid breathing dust/fume/gas/mist
P272	Contaminated clothing should not leave workplace
P280	Wear eye protection/face protection
P280	Wear protective gloves

Section 3. Composition / Information on Ingredients

Ingredient(s)	CAS #	EINECS #	Concentration %
Sodium Tripolyphosphate	7758-29-4	-	1-5%
Non-hazardous Proprietary Blend	-	-	99-95%

Comments:

Section 4. First Aid Measures

Eye Contact	Rinse immediately with plenty of water, also under eyelids, for at least 15 minutes. Seek medical attention
Skin Contact	Take off contaminated clothing immediately. Wash off with plenty of water
Inhalation	Move to fresh air. If symptoms persist, call a physician
Ingestion	Do NOT induce vomiting. Rinse mouth with water. Seek medical advice

Section 5. Firefighting Measures

Suitable Extinguishing Media	Carbon Dioxide, multipurpose powders, foam, or water spray
Unsuitable Extinguishing Media	None known
Hazards Arising From The Chemical	phosphorous oxides, metal oxides
Protective Actions For Fire-Fighters	Should wear approved self-contained breathing apparatus and full protective clothing.

Section 6. Accidental Release Measures

Personal Precautions And Protective Equipment	Avoid contact with skin and eyes. Keep away from flames and sparks. Remove all sources of ignition.
Environmental Precautions	Do not let enter drains. Do not flush into surface water or sewer system
Methods And Materials for Containment and Clean Up	Keep in properly labeled containers, and in suitable, closed containers for disposal. Contain spillage and soak up with non-combustable absorbant material

Section 7. Handling and Storage

Handling Precautions	Handle in accordance with good industrial hygiene and safety practice
Storage Conditions	Take measures to avoid accidental discharge of products into drains and waterways

Section 8. Exposure Controls / Personal Protection

	Ingredient	CAS #	Exposure Limit
Occupational Exposure Limit(s)	None known		

Engineering Controls	Effective exhaust ventilation system. Avoid splashes
Personal Protection Measures	If respirators are required, select NIOSH/MSHA approved equiptment. Wear appropriate PPE for the job. ***During pro-longed, direct contact only**

Section 9. Physical and Chemical Properties

Physical State	Liquid	**Flammability**	N/D
Colour	Pink	**Flammability LEL/UEL**	N/D
Odour	Fruity	**Viscosity @ 25°C (cSt)**	N/D
Odour Threshold	N/A	**Vapour Pressure (@ 25°C)**	ca. 20.00 mmHg
pH	8.2	**Vapour Density [Air = 1]**	>1
Melting Point (°C/°F)	N/D	**Density (lbs/gal)**	8.51
Freezing Point (°C/°F)	0 / <32	**Solubility in water (%)**	100% Soluble
Boiling Point (°C/°F)	98.9 C / 210 F	**Auto-Ignition Temperature**	N/D
Flash Point (°C/°F)	>100 C / > 212 F PMCC	**Decomposition Temperature**	N/D
Specific Gravity @ 25°C	1.02	**(Other)**	

Section 10. Stability and Reactivity

Chemical Reactivity/Stability	Stable at normal ambient temperature and pressure
Conditions to Avoid	Keep away from heat and sources of ignition
Incompatible Materials	Strong acids, bases, oxidizing, and reducing agents
Hazardous Decomposition Products	Carbon oxides, Nitrogen oxides, Sulfur oxides

Section 11. Toxicological Information

Likely Routes of Exposure	Ingestion and skin contact

	Acute Symptoms / Effects	**Chronic Symptoms / Effects**
Eye Contact	Risk of damage to eyes	Irritation, Watery, Redness
Skin Contact	Moderately Irritating	Irritation, Redness
Inhalation	Moderately Irritating	Respiratory Irritation, coughing
Ingestion	Naseau, Vomiting	Aspiration Hazard if swallowed

Germ Cell Mutagenicity/Carcinogenicity/Reproductive Toxicity/STOT	None Known

Ingredient	**Numerical Measures of Toxicity**
Sodium Tripolyphosphate	LD50 Dermal Rabbit, >4640 mg/kg
	LD50 Oral Rat, 3120 mg/kg

Section 12. Ecological Information

Toxicity	Sodium tripolyphosphate, reduced iron in the bone, liver, and spleen due to chelation
Persistence/Degradability	LD50 1850 mg/L
Mobility in Soil	Not available
Bioaccumulative Potential	Not available

Section 13. Waste Disposal Considerations

Follow all local and national waste management regulations. Consult your local waste authorities for information.

Section 14. Transport Information

U.S. D.O.T. (Non-Bulk Transport)		**U.S. D.O.T. (Bulk Transport)**	
UN Number	Not Regulated	**UN Number**	Not Regulated
UN Proper Shipping Name	Not Regulated	**UN Proper Shipping Name**	Not Regulated
Hazard Class/Packing Group	Not Regulated	**Hazard Class/Packing Group**	Not Regulated
E.R.G. Number	Not Regulated	**E.R.G. Number**	Not Regulated
Special Precautions	N/A		

Section 15. Regulatory Information

Precautionary Label Information

	HMIS	**NFPA**	**Risk Phrases**		**Safety Phrases**	
Health	1	1	R20	Harmful by inhalation	S16	Keep away from sources of ignition
Flammability	0	0	R22	Harmful if swallowed	S15	Keep away from heat
Reactivity	0	0	R38	Irritating to skin	S23	Do not breathe gas/fumes
Protection	B	B	R65	Ingestion may cause lung damage	S25	Avoid contact with eyes
Hazard Symbol(s)					S29	Do not empty into drains
N/A						

Section 16. Other Information

Specification Information

Department/Person Responsible for Content	Nathan R. Hutchings, Ph.D.
Email Address	info@proactionfluids.com
Training Required for Use of Product	None
Intended Use of Product	Oilfield Completion Fluid
Reason for last reissue of SDS	New product

This product is intended of use by skilled individuals familiar with the intended use and application of the product. Product users do so at their own risk. The information contained herein is based on data considered to be accurate based on the current state of available knowledge. No warranty is expressed or implied regarding the accuracy of the data herein or the results to be obtained by the use thereof.

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