



SAFETY DATA SHEET AND TECHNICAL SPECS

1. PRODUCT IDENTIFICATION ELEMENTS AND MANUFACTURER:

Commercial name: HYDRO PRO– by WASH CHEMS
Usage purpose Active Cleaning Detergent

Manufacturer: WASHCHEMS LLC
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2. INGREDIENTS: Chemical characteristics

Components	Weight Concentration	CAS #	Symbol	Risks R
Anionic surfactants	5-30 %	68411-30-3	C- corrosive	22-34
Sodium Hydroxide	<10 %	2372-82-9	C- corrosive	22-35
Salts	5-30%	7647-14-5	C- corrosive	22-34
Solvents	<5 %	64-17-5	Xi- irate	38-41

3. HAZARDS IDENTIFICATION

Hazard Pictograms (CLP):



Signal Word (CLP): Danger

Hazard Statements:

H315 - Causes skin irritation
H318 - Causes serious eye damage

Precautionary measures:

P264 - Wash hands thoroughly after handling
P280 - Wear eye protection, protective clothing, protective gloves
P302+P352 - IF ON SKIN: Wash with plenty of 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 doctor, a POISON CENTER
P321 - Specific treatment (see supplemental first aid instruction on this label)

4. FIRST AID INSTRUCTIONS

- ◇ **General provisions:** in case of emergency please call 911.
- ◇ **In case of inhalation:** The injured person must be taken out to breathe fresh air until emergency arrives.
- ◇ **In case of contact with skin:** please remove contaminated clothing and wash affected area with running water. Get medical attention.
- ◇ **In case of eye contact:** Flush with water for at least 15 minutes. Get medical attention right away.
- ◇ **In case of swallowing:** Rinse mouth with water and drink water as much as you can. Get medical attention right away.



5. FIRE FIGHTING MEASURES

- ◇ *Suitable Extinguishing: Firefighting procedures appropriate for the surrounding materials.*
- ◇ *Media: Material will not burn*
- ◇ *Unsuitable Extinguishing - N/A*
- ◇ *Media: N/A*

6. ACCIDENTAL RELEASE MEASURES:

Clean-up: Small spills may be diluted and rinsed to sanitary sewer. Large spills should be contained and offered for disposal per state and/or local laws.

7. HANDLING AND STORAGE:

- ◇ *Storage: Store in original container at temperatures below 120 degrees F. Product is best if used within 24 months of purchase.*
- ◇ *Handling: Spills may cause floor to become slippery*

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

INFO:	Ingredient Name	ACGIH TLV	OSHA PEL	STEL
Occupational Exposure Limits	PROPRIETARY SURFACTANT BLEND	N/A	N/A	N/A
Personal Protective Equipment	Goggles, Gloves			
EYE/FACE PROTECTION	Wear safety glasses or goggles			
PROTECTIVE GLOVES:	Chemical-resistant gloves (Neoprene/Nitrile Gloves are recommended).			
RESPIRATORY PROTECTION	Adequate ventilation			

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Transparent liquid
Color	Transparent
Odor	Neutral, Slight fresh odor
Odor Threshold	N/A
Solubility	COMPLETE
Stability	Stable
Partition coefficient Water/n-octanol	N/A
VOC%	N/A
Viscosity	N/A
Specific Gravity	
Density lbs/Gal	N/A
Pounds per Cubic Foot	N/A
Flash Point	N/A
FP Method	N/A
PH: 1% at 68F	≈12
Density at 68F	1050 -1150 g/cm3
Melting Point	N/A
Boiling Point	N/A
Boiling Range	N/A
LEL	N/A
UEL	N/A
Evaporation Rate	N/A
Flammability	N/A
Decomposition Temperature	N/A
Auto-ignition Temperature	N/A
Vapor Pressure	N/A
Vapor Density	N/A



10. STABILITY AND REACTIVITY

- ◇ **Stability:** stable while using according to instructions.
- ◇ **Reactivity elements upon decomposition:** unknown when product is used based on description.
- ◇ **Hazardous Polymerization:** will not occur

11. TOXICOLOGIC INFO

Exposure routes: Eye contact, Dermal Contact, Ingestion, Inhalation

Acute Toxicity:

Eyes: May cause eye irritation with tearing, redness, and impaired vision

Skin: May cause skin irritation, redness, and itching. May cause chemical burns.

Ingestion: Harmful if swallowed. Corrosive to mucous membranes, oesophagus and stomach.

Inhalation: Respiratory irritant

Chronic Effects: Avoid repeated exposure. May aggravate pre-existing condition including eye, skin and respiratory.

Carcinogenicity: Not listed as carcinogen by OSHA, NTP or IARC.

12. ECOLOGIC INFO

Biodegradability: The surfactant(s) contained in this preparation complies (comply) with the biodegradability criteria as laid down in Regulation (EC) No. 648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer. Contained surfactants are over 90 % biodegradable. **Product is biodegradable.**

Components DATA:

Biodegradability:

- Anionic Surfactants: easy biodegradable, (28 days, OECD 301 B)
- Non-ionic Surfactants: easy biodegradable, 85% (28 days, OECD 301 B)

Aquatic toxicity:

- Anionic Surfactants:

Toxicity on fish LC₅₀: 10-100 mg/litre

Toxicity on water flea: EC₅₀: 8 mg/litre (48 hours, OECD 202)

Toxicity on algae's: EC₅₀ 10-100 mg/litre (Scenedesmus subspicatus, 72 hours, OECD 201)

- Non-ionic Surfactants:

Toxicity on fish LC₅₀: 14 mg/litre

Toxicity on water flea: EC₅₀: 8 mg/litre (48 hours, OECD 202)

Toxicity on algae's: EC₅₀ 10-100 mg/litre (Scenedesmus subspicatus, 72 hours, OECD 201)

Toxicity on bacteria EC₅₀: 240 mg/litre (OECD 209, Analogy)

Toxicity on underground microorganisms:

- Quaternary ammonium components:

Toxicity on underground microorganisms (NOEC): >1000 mg/kg (worms, acute toxicity, 14 day OECD 207)

- Alkyl amine derivative

Toxicity on underground microorganisms (NOEC): >1000 mg/kg (worms, acute toxicity, 14 day OECD 207)



13. DISPOSAL

Regional legislation (waste):
Waste treatment methods:

Product/Packaging disposal recommendations:

Disposal must be done according to official regulations.
Dispose of contents/container in accordance with licensed collector's sorting instructions.
Dispose of contents/container to a licensed hazardous-waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Dispose in a safe manner in accordance with local/national regulations. The packaging has to be emptied completely.

14. TRANSPORTATION INFO (In accordance with ADR / RID / IMDG / IATA / AND/ DOT)

UN Number	Not applicable
UN Proper Shipping Name	NOT A REGULATED PRODUCT
DOT Classification	Not applicable
Packing Group	Not applicable
FREIGHT CLASS	Not regulated as dangerous goods

15. LEGISLATIVE REGULATIONS INFO

US Federal Regulations:

TSCA Status: All components of this product are listed or exempt from listing TSCA inventory
CERCLA Reportable Quantity: None

EU Regulations:

- Contains no REACH substances with Annex XVII restrictions
- Contains no substance on the REACH candidate list
- Contains no REACH Annex XIV substances

Section 311/312 Hazard Category

Acute Health Hazard:	NO
Chronic Health Hazard:	NO
Fire Hazard:	NO
Sudden Release of Pressure Hazard:	NO
Reactive Hazard:	NO

Section 313 Toxic Chemicals: NONE

16. OTHER INFO:

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Revision Date	09/05/19
NFPA Rating	Health: 1 Fire: 0 Reactivity: 0
HMIS	Health: 1 Fire: 0 Reactivity: 0 Personal Protection: B
DISCLAIMER:	The information contained herein is believed to be accurate and is offered in good faith. This 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. Mixing this product with any other materials may change the characteristics such as flash point, flammability or health effects. Because product use is beyond our control, no warranty is given, expressed or implied.

Preparation Information:

Wash Chems Product Safety – Americas Region 1-844-900-WASH

Abbreviations and acronyms:



CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
PBT	Persistent Bioaccumulative Toxic
PNEC	Effect Concentration
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals Regulation (EC) No 1907/2006
vPvB	Very Persistent and Very Bioaccumulative

Full text of H- and EUH-statements:

Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Eye Dam. 1	Serious eye damage/eye irritation, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Met. Corr. 1	Corrosive to metals, Category 1
Skin Corr. 1	A Skin corrosion/irritation, Category 1A
Skin Irrit. 2	Skin corrosion/irritation, Category 2
H290	May be corrosive to metals
H314	Causes severe skin burns and eye damage
H315	Causes skin irritation
H318	Causes serious eye damage
H319	Causes serious eye irritation
H412	Harmful to aquatic life with long lasting effects
ERC8a	Wide dispersive indoor use of processing aids in open systems
ERC8d	Wide dispersive outdoor use of processing aids in open systems
PC35	Washing and cleaning products (including solvent based products)
PROC10	Roller application or brushing
PROC11	Non industrial spraying
PROC7	Industrial spraying
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
SU22	Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3	Industrial uses: Uses of substances as such or in preparations* at industrial sites

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Skin Irrit. 2 - H315
Eye Dam. - 1 H318

SDS US WASH CHEMS

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.