

# Safety Data Sheet

## 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

|                         |                                                                             |                                  |
|-------------------------|-----------------------------------------------------------------------------|----------------------------------|
| <b>Product Name:</b>    | ProFlush DSS-2                                                              |                                  |
| <b>Chemical Family:</b> | Blend                                                                       |                                  |
| <b>Application:</b>     | Rheology modifier, suspension aid                                           |                                  |
| <b>Company Name:</b>    | ARC Products, INC                                                           |                                  |
| <b>Address:</b>         | 4010 La Reunion Parkway                                                     |                                  |
|                         | Suite 160                                                                   |                                  |
|                         | Dallas, TX 75212                                                            |                                  |
| <b>Telephone:</b>       | SDS and Product Information (7:00am – 4:00pm CST)<br>Chemtrec North America | (214) 638-2468<br>(800) 424-9300 |

## 2. HAZARDS IDENTIFICATION

|                                                                                      |                                                                                                                                                                               |                          |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|
| <b>Classification:</b>                                                               |                                                                                                                                                                               |                          |
| <b>OSHA Regulatory Status</b>                                                        | This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)                                                                       |                          |
| <b>Globally Harmonized System of Classification and Labelling of Chemicals (GHS)</b> | Serious eye damage/irritation<br>Skin corrosion/irritation                                                                                                                    | Category 2<br>Category 2 |
| <b>Pictogram</b>                                                                     |                                                                                            |                          |
| <b>Signal word:</b>                                                                  | Warning                                                                                                                                                                       |                          |
| <b>Hazard statements:</b>                                                            | H315: Causes skin irritation<br>H319: Causes serious eye irritation                                                                                                           |                          |
| <b>Precautionary statements:</b>                                                     | <b>Prevention</b><br>P264: Wash face, hands and any exposed skin thoroughly after handling<br>P280: Wear protective gloves/protective clothing/eye protection/face protection |                          |

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|  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
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|  | <b>Response</b><br>P308: If exposed or concerned: Get medical advice/attention<br>P302+P352 - IF ON SKIN: Wash with plenty of soap and water<br>P332+P313: If skin irritation occurs: Get medical advice/attention<br>P305+351+P338 - IF IN EYES: Rinse cautiously with water for 20 minutes<br>Remove contact lenses, if present and easy to do. Continue rinsing<br>P337+P313 - If eye irritation persists: Get medical advice/attention<br>P362+P364: Take off contaminated clothing and wash it before reuse |
|  | <b>Storage</b><br>P402 - Store in a dry place.                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|  | <b>Disposal</b><br>P501 - Dispose of content/container in accordance with local regulation.                                                                                                                                                                                                                                                                                                                                                                                                                      |

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Ingredient                   | CAS No.     | Percent wt% |
|------------------------------|-------------|-------------|
| Alcohol ethoxylate           | Proprietary | 5 - 30      |
| Alkylbenzene sulfonate       | Proprietary | 5 - 30      |
| Silicic acid, potassium salt | 1312-76-1   | 0.1 - 20    |

If CAS number is "Proprietary" the specific chemical identity and percentage of composition has been withheld as a trade secret.

\*The exact percentage (concentration) of composition has been withheld as a trade secret. While some substances are claimed as trade secret in accordance with the provision of OSHA 29 CFR 1910.1200(i), all known hazards are clearly communicated within this document.

## 4. FIRST AID MEASURES

|                            |                                                                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Inhalation:</b>         | Remove from area to fresh air. If breathing is irregular or stopped administer artificial respiration. If breathing is difficult give oxygen. Get medical attention.                                                         |
| <b>Skin:</b>               | Wash affected areas with plenty of water and soap if available, for 15 minutes. Remove all contaminated clothes and shoes. Wash contaminated clothing before re-use. If itching and redness persist, seek medical attention. |
| <b>Eyes:</b>               | Immediately flush eyes with plenty of water for at least 15 minutes. After the initial one to two minutes of flushing check for and remove contact lenses if present. Get medical attention.                                 |
| <b>Ingestion:</b>          | Do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. If a large amount is swallowed, get medical attention                                    |
| <b>Medical Conditions:</b> | Existing skin, eye and lung conditions.                                                                                                                                                                                      |
| <b>Notes to Physician:</b> | Treat symptomatically                                                                                                                                                                                                        |

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## 5. FIRE FIGHTING MEASURES

|                                                        |                                                                                                  |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------|
| <b>Flashpoint ( ° F )</b>                              | >93C                                                                                             |
| <b>Products of Combustion:</b>                         | COx, SOx,                                                                                        |
| <b>Flammability: Lower %</b>                           | Not determined                                                                                   |
| <b>Flammability: Upper %</b>                           | Not determined                                                                                   |
| <b>Fire Extinguishing Media:</b>                       | Water spray, foam, dry chemical, carbon dioxide (CO <sub>2</sub> )                               |
| <b>Special Procedures:</b>                             | Use water spray to cool drums exposed to fire.                                                   |
| <b>Special Protective Equipment for Fire Fighters:</b> | Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor. |

## 6. ACCIDENTAL RELEASE MEASURES

|                                         |                                                                                                    |
|-----------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Personal Precautionary Measures:</b> | Wear appropriate protective equipment to protect from dust that might be generated by the product. |
| <b>Environmental Precaution:</b>        | Do not flush into surface water or sanitary sewer system.                                          |
| <b>Methods for Clean-up:</b>            | Sweep or vacuum up spillage and collect in suitable container for disposal.                        |

## 7. HANDLING AND STORAGE

|                                  |                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering controls:</b>     | Ensure that good ventilation and eye washes/safety showers are in the immediate work area.                                                                                                                                                                                                                                                              |
| <b>Precautionary statements:</b> | CAUTION! Product may cause skin, eye and respiratory tract irritation. Avoid contact with eyes, skin and clothing. Avoid generating or breathing dust. Use only with adequate ventilation. Wear chemical splash goggles, gloves and protective clothing while handling. Wash thoroughly after handling. For industrial use only. Avoid dust generation. |
| <b>Storage Information:</b>      | Store in a cool, dry place to prevent product from caking.                                                                                                                                                                                                                                                                                              |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

|                                |                                                                                                                                               |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Engineering Controls:</b>   | Local exhaust ventilation as necessary to maintain exposure to within applicable limits. Eyewash and safety shower accessible from work area. |
| <b>Respiratory Protection:</b> | Use approved NIOSH respiratory protection if TLV is exceeded or over exposure is likely.                                                      |
| <b>Hand Protection:</b>        | Wear chemical resistant gloves.                                                                                                               |
| <b>Skin Protection:</b>        | Full protective clothing, chemical resistant boots and gloves.                                                                                |
| <b>Eye Protection:</b>         | Wear safety glasses with side shields, goggles or face shield.                                                                                |

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|                                   |                                                                 |                                      |                                      |
|-----------------------------------|-----------------------------------------------------------------|--------------------------------------|--------------------------------------|
| <b>Exposure Limits:</b>           | No limits established for the formulated product                |                                      |                                      |
|                                   | <b>Components</b>                                               | <b>Value type (Form of exposure)</b> | <b>Permissible concentration</b>     |
|                                   | Kaolin clay                                                     | ACGIH TLV                            | 2mg/m <sup>3</sup> (Respirable dust) |
|                                   | CAS No. 1332-58-7                                               | OSHA PEL                             | 15mg/m <sup>3</sup> (Total dust)     |
|                                   | Silicic acid, aluminum sodium salt                              |                                      |                                      |
|                                   | CAS No. 1344-00-9                                               | ACGIH TLV TWA                        | 1mg/m <sup>3</sup>                   |
| <b>Other Protective Measures:</b> | Eyewash fountains and safety showers must be easily accessible. |                                      |                                      |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                                      |                                |
|------------------------------------------------------|--------------------------------|
| <b>Physical State:</b>                               | Powder                         |
| <b>Color:</b>                                        | White to off white             |
| <b>Odor:</b>                                         | Characteristic                 |
| <b>pH:</b>                                           | 9.0 – 11.5 (5%w/w in DI water) |
| <b>Specific Gravity @ 20 ° C, g/ml</b>               | 1.55 – 1.57                    |
| <b>Tamped density @ 20 ° C (lbs/ft<sup>3</sup>):</b> |                                |
| <b>Boiling Point:</b>                                | Not applicable                 |
| <b>Freezing Point, ° C / ° F</b>                     | Not applicable                 |
| <b>Vapor Pressure @ 21 ° C (mm Hg)</b>               |                                |
| <b>Percent Volatiles:</b>                            |                                |
| <b>Evaporation Rate (Butyl Acetate = 1)</b>          |                                |
| <b>Solubility in Water:</b>                          | Dispersable                    |
| <b>Solubility in Solvents:</b>                       |                                |

## 10. STABILITY AND REACTIVITY

|                                              |                                                                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability Data:</b>                       | Stable under normal conditions                                                                                                                                        |
| <b>Hazardous Polymerization:</b>             | Will not occur under normal conditions                                                                                                                                |
| <b>Conditions to Avoid:</b>                  | Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials. |
| <b>Incompatibility (Materials to Avoid):</b> | Strong oxidizing agents                                                                                                                                               |
| <b>Hazardous Decomposition:</b>              | CO <sub>x</sub> , SO <sub>x</sub> ,                                                                                                                                   |

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|                               |      |
|-------------------------------|------|
| <b>Additional Guidelines:</b> | None |
|-------------------------------|------|

## 11. TOXICOLOGICAL INFORMATION

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Principal Route of Exposure:</b>   | Skin, eyes and respiratory tract                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Inhalation:</b>                    | Dust may cause irritation to the respiratory tract                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Skin Contact:</b>                  | Irritating to skin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Eye Contact:</b>                   | Causes eye irritation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Ingestion:</b>                     | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Toxicological Data</b>             | <p><b><u>Component</u></b></p> <p>Silicic acid potassium salt LD50, rat, oral: &gt;5000mg/kg<br/> CAS 1312-76-1 LD50, rat, dermal: &gt;5000mg/kg<br/> LC50, rat, inhalation: &gt;20.6g/m<sup>3</sup></p> <p>Alkylbenzene sulfonate LD50, rat, oral: &gt;2000mg/kg<br/> CAS: Proprietary LD50, rabbit, dermal: &gt;2000mg/kg</p> <p>Silicic acid, aluminum sodium salt<br/> CAS 1344-00-9 LD50, rat, oral &gt;5000mg/kg<br/> LD50, rat, dermal &gt;5000mg/kg</p> <p>Not determined on the formulated product</p> |
| <b>Chronic Effects:</b>               | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Other Toxic Effects to Humans:</b> | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Toxicity to Animals:</b>           | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Oral Toxicity:</b>                 | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Dermal Toxicity:</b>               | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Inhalation Toxicity:</b>           | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Primary Irritation Effect:</b>     | Not determined on the formulated product                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Carcinogenicity:</b>               | This product does not contain known or suspected carcinogens.                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## 12. ECOLOGICAL INFORMATION

|                                                    |                                          |
|----------------------------------------------------|------------------------------------------|
| <b>Mobility (Water/Soil/Air):</b>                  | Not determined on the formulated product |
| <b>Toxicity of the Products of Biodegradation:</b> | Not determined on the formulated product |
| <b>Bioaccumulation:</b>                            | Not determined on the formulated product |
| <b>Ecotoxicological Information</b>                | Not determined on the formulated product |

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|                                    |                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Acute Fish Toxicity:</b>        | <p><b><u>Component</u></b><br/>           Silicic acid, potassium salt      LC50, Leuciscus idus, 48h:      &gt;146mg/l<br/>           CAS 1312-76-1</p> <p>Silicic acid, aluminum sodium salt<br/>           CAS 1344-00-9      LC50, Brachydanio rerio, 96h:      &gt;10000mg/l</p> <p>Not determined on the formulated product</p> |
| <b>Acute Crustaceans Toxicity:</b> | <p><b><u>Component</u></b><br/>           Silicic acid, potassium salt      LC50, Daphnia magna, 24h:      &gt;146mg/l<br/>           CAS 1312-76-1</p> <p>Not determined on the formulated product</p>                                                                                                                               |
| <b>Acute Algae Toxicity:</b>       | <p><b><u>Component</u></b></p> <p>Not determined on the formulated product</p>                                                                                                                                                                                                                                                        |
| <b>Chemical Fate Information:</b>  | Not determined on the formulated product                                                                                                                                                                                                                                                                                              |
| <b>Other Information:</b>          | Not determined on the formulated product                                                                                                                                                                                                                                                                                              |

## 13. DISPOSAL CONSIDERATIONS

|                          |                                                                                                                                            |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Waste Code:</b>       |                                                                                                                                            |
| <b>Disposal Method:</b>  | Observe all applicable federal, state, and local regulations.                                                                              |
| <b>Empty containers:</b> | Empty drums should be completely drained, triple rinsed, properly bunged and promptly returned to a drum conditioner or properly disposed. |

## 14. TRANSPORT INFORMATION

|                  |                                                                                                                                                                                                                                              |
|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DOT</b>       | <p><b>Proper shipping name:</b> Environmentally Hazardous Substance, Liquid, N.O.S.<br/>           (Alkylbenzene sulfonate), MARINE POLLUTANT</p> <p><b>UN Code:</b> UN3082<br/> <b>Hazard Class:</b> 9<br/> <b>Packaging group:</b> III</p> |
| <b>IMDG</b>      |                                                                                                                                                                                                                                              |
| <b>ICAO/IATA</b> |                                                                                                                                                                                                                                              |
| <b>Labels:</b>   | N/A                                                                                                                                                                                                                                          |

## 15. REGULATORY INFORMATION

|                                                             |  |
|-------------------------------------------------------------|--|
| <b>OSHA'S HAZARD COMMUNICATION RULE, 219 CFR 1910.1200:</b> |  |
|-------------------------------------------------------------|--|

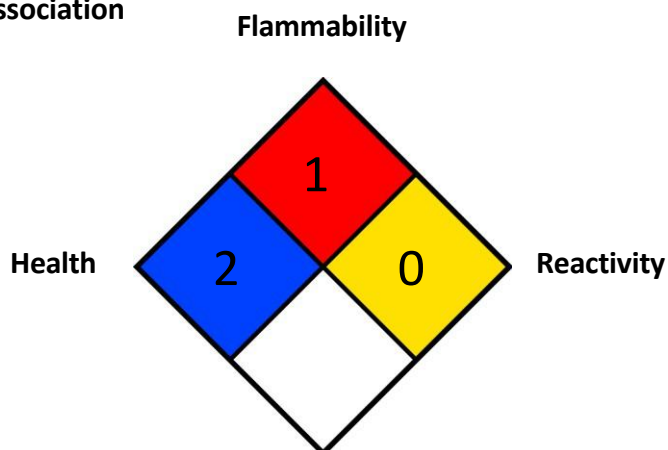
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|                                                            |                                                                                                                                                                                                                                                                 |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b><u>US FEDERAL REGULATIONS</u></b>                       |                                                                                                                                                                                                                                                                 |
| <b>US TSCA Inventory Listing</b>                           | All components of this product are registered in the TSCA inventory.                                                                                                                                                                                            |
| <b>EPA SARA Title III: Extremely Hazardous Substances:</b> | <b>Substance:</b> NA<br><b>CAS:</b><br><b>TPA (pounds):</b><br><b>EHS-RQ (pounds):</b>                                                                                                                                                                          |
| <b>EPA SARA (302) Chemicals:</b>                           | This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Compensation and Liability Act (CERCLA)(40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA)(40 CFR 355). |
| <b>EPA SARA (311/312) Classification</b>                   | This product is classified as a SARA HEALTH HAZARD.                                                                                                                                                                                                             |
| <b>EPA SARA (313) Chemicals:</b>                           | This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimus) reporting levels established by SARA Title III, Section 313                                                                                |
| <b>EPA CERCLA Hazardous Substances (40 CFR 302):</b>       | <b>Substance: CAS:</b><br><b>RQ (pounds):</b>                                                                                                                                                                                                                   |
| <b>EPA RCRA Hazardous Waste Classification:</b>            | NA                                                                                                                                                                                                                                                              |
| <b><u>INTERNATIONAL REGULATIONS:</u></b>                   |                                                                                                                                                                                                                                                                 |
| <b>European Union:</b>                                     | Xn:<br>N:<br>R22:<br>R41:<br>R50:                                                                                                                                                                                                                               |
| <b><u>STATE REGULATIONS</u></b>                            |                                                                                                                                                                                                                                                                 |
| <b>California Prop. 65</b>                                 | <b><u>Components:</u></b><br>1,4-dioxane (CAS 123-91-1) Carcinogen<br>Acetaldehyde (CAS 75-07-0) Carcinogen<br>Ethylene oxide (CAS 75-21-8) Carcinogen                                                                                                          |

| 16. OTHER INFORMATION |                            |          |
|-----------------------|----------------------------|----------|
| HMIS                  | <b>HEALTH</b>              | <b>2</b> |
|                       | <b>FLAMMABILITY</b>        | <b>1</b> |
|                       | <b>REACTIVITY</b>          | <b>0</b> |
|                       | <b>PERSONAL PROTECTION</b> |          |

# Safety Data Sheet

National Fire Protection Association



To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

Signed: Mark Alexander  
 Date: August 19, 2025  
 Revised: New