

Safety Data Sheet

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	ProFlush OBD-22	
Chemical Family:	Blend	
Application:	Emulsifier	
Company Name:	ARC Products, INC	
Address:	4010 La Reunion Parkway	
	Suite 160	
	Dallas, TX 75212	
Telephone:	SDS and Product Information (7:00am – 4:00pm CST) Chemtrec North America	(214) 638-2468 (800) 424-9300

2. HAZARDS IDENTIFICATION

Classification:		
OSHA Regulatory Status	This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)	
Globally Harmonized System of Classification and Labelling of Chemicals (GHS)	Skin corrosion/irritation Category 2 Serious eye damage/irritation Category 2 Acute oral toxicity Category 4 Specific target organ toxicity (single exposure, CNS) Category 3 Specific target organ toxicity (repeated exposure, kidneys liver) Category 2	
Pictogram		
Signal word:	Warning	
Hazard statements:	H303 - May be harmful if swallowed H315 - Causes skin irritation H319 - Causes serious eye irritation H336 – May cause drowsiness or dizziness H373 - May cause damage to kidneys and liver through prolonged or repeated exposure	

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Precautionary statements:	Prevention P264 - Wash thoroughly after handling P260 – Do not breathe dust/fumes/gas/mist/vapors/spray P264 – Wash face, hands and any exposed skin thoroughly after handling P270 - Do not eat, drink or smoke when using this product P280 - Wear protective gloves
	Response P301+P312 - IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing P312 – Call a POISON CENTER or doctor if you feel unwell P314 – Get medical advice/attention if you feel unwell P330 - Rinse mouth P302+P352 - IF ON SKIN: Wash with plenty of soap and water P305+351+P338 - IF IN EYES: Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing P337+P313 - If eye irritation persists: Get medical advice/attention P362+P364 - Take off contaminated clothing
	Storage P403+P233 - Store in a well ventilated place. Keep container tightly closed P405 – Store locked up Disposal P501 - Dispose of content/container in accordance with local regulation.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	CAS No.	Percent wt%
Alcohol ethoxylate	127087-87-0	10 – 40
Alkylbenzene sulfonic acid, calcium salt	68584-23-6	10 - 40
2-ethyl hexanol	104-76-7	0.5 - 10
Ethylene glycol	107-21-1	30 - 50

4. FIRST AID MEASURES

Inhalation:	Remove from area to fresh air. If breathing is irregular or stopped administer artificial respiration. If breathing is difficult give oxygen. Call a POISON CENTER or doctor/physician if you feel unwell.
Skin:	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. Get medical attention immediately if symptoms occur.

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Eyes:	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
Ingestion:	Do not induce vomiting. If vomiting occurs spontaneously, keep airway clear. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
Medical Conditions:	Existing skin, eye and lung conditions.
Notes to Physician:	Treat symptomatically

5. FIRE FIGHTING MEASURES

Flashpoint (° F):	>200°F
Method:	PMCC
Products of Combustion:	COx and SOx
Flammability: Lower %	Not determined
Flammability: Upper %	Not determined
Fire Extinguishing Media:	Water spray, foam, dry chemical, carbon dioxide (CO ₂)
Special Procedures:	Use water spray to cool drums exposed to fire.
Special Protective Equipment for Fire Fighters:	Firefighters should use self-contained breathing apparatus to avoid exposure to smoke and vapor.
NFPA Ratings:	1-1-0
HMIS Ratings:	1-1-0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures:	Wear appropriate protective equipment to protect from mists/vapors that might be generated by the product.
Environmental Precaution:	Do not flush into surface water or sanitary sewer system.
Methods for Clean-up:	Contain material by diking the area around the spill. If the product is in a solid form, shovel directly into recovery drums. If the product is a liquid, it should be picked up using a suitable absorbent material, then shoveled into recovery drums.

7. HANDLING AND STORAGE

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

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls:	Local exhaust ventilation as necessary to maintain exposures to within applicable limits.		
Respiratory Protection:	Use approved NIOSH respiratory protection if TLV is exceeded or over exposure is likely.		
Hand Protection:	Wear chemical resistant gloves.		
Skin Protection:	Full protective clothing, chemical resistant boots and gloves.		
Eye Protection:	Wear safety glasses with side shields, goggles or face shield.		
Exposure Limits:	Components	Value type (Form of exposure)	Permissible concentration
	Ethylene glycol	ACGIH TWA	25ppm
	CAS-No. 107-21-1	STEL	50ppm
		OSHA PEL	50ppm
Other Protective Measures:	Eyewash fountains and safety showers must be easily accessible.		

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Light yellow to amber
Odor:	Characteristic
pH:	4.0 – 7.0 (5%w/w in DI water)
Specific Gravity @ 20 ° C, g/ml	1.07
Density @ 20 ° C (lbs/gal):	8.90
Boiling Point:	Not determined
Freezing Point, ° C	-17C
Vapor Pressure @ 21 ° C (mm Hg)	Not determined
Percent Volatiles:	Not determined
Evaporation Rate (Butyl Acetate = 1)	Not determined
Solubility in Water:	Emulsifiable
Solubility in Solvents:	

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10. STABILITY AND REACTIVITY

Stability Data:	Stable under normal conditions
Hazardous Polymerization:	Will not occur under normal conditions
Conditions to Avoid:	Avoid heat, sparks, open flames and other ignition sources. Avoid temperatures exceeding the flash point. Contact with incompatible materials.
Incompatibility (Materials to Avoid):	Strong oxidizing agents, Strong acids, Strong bases, Aldehydes
Hazardous Decomposition:	COx and SOx
Additional Guidelines:	None

11. TOXICOLOGICAL INFORMATION

Principal Route of Exposure:	Skin, eyes and respiratory tract
Inhalation:	Vapor or mist may cause irritation to the respiratory tract
Skin Contact:	Irritating to skin
Eye Contact:	Causes serious eye irritation
Ingestion:	Not determined on formulated product
Toxicological Data	Not determined on formulated product
Chronic Effects:	Not determined on formulated product
Other Toxic Effects to Humans:	Not determined on formulated product
Toxicity to Animals:	Not determined on formulated product
Oral Toxicity:	Component Ethylene glycol LD50, rat: 7712mg/kg CAS (107-21-1) Alcohol ethoxylate LD50, rabbit: 3314mg/kg CAS (12707-87-0) Not determined on formulated product
Dermal Toxicity:	Component Ethylene glycol LD50, rat: 10600mg/kg CAS (107-21-1) Alcohol ethoxylate LD50, rabbit: 3314mg/kg CAS (12707-87-0) Not determined on formulated product

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Inhalation Toxicity:	Not determined on formulated product
Primary Irritation Effect:	Not determined on formulated product
Carcinogenicity:	This product does not contain any components in concentrations greater than or equal to 0.1% that are listed as known or suspected carcinogens by NTP, IARC, ACGIH or OSHA

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air):	Not determined on formulated product
Toxicity of the Products of Biodegradation:	Not determined on formulated product
Bioaccumulation:	Not determined on formulated product
Ecotoxicological Information	Not determined on formulated product
Acute Fish Toxicity:	Component Ethylene glycol LC50: 40000 - 60000 mg/L, 96h static (Pimephales promelas) CAS (107-21-1) LC50: = 40761 mg/L, 96h static (Oncorhynchus mykiss) LC50: = 27540 mg/L, 96h static (Lepomis macrochirus) Not determined on formulated product
Acute Crustaceans Toxicity:	Component Ethylene glycol EC50: 6500 - 13000 mg/L, 96h (Pseudokirchneriella subcapitata) CAS (107-21-1) Not determined on formulated product
Acute Algae Toxicity:	Component Ethylene glycol EC50: = 46300 mg/L, 48h (Daphnia magna) CAS (107-21-1) Not determined on formulated product
Chemical Fate Information:	Not determined on formulated product
Other Information:	Not determined on formulated product

13. DISPOSAL CONSIDERATIONS

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

14. TRANSPORT INFORMATION

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DOT	Not regulated
IMDG	
ICAO/IATA	
Labels:	N/A

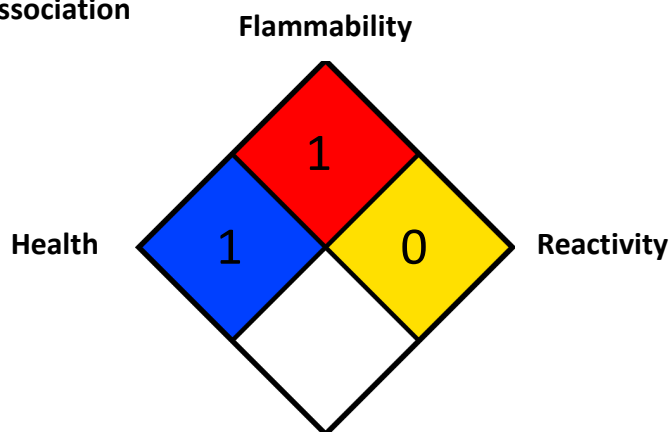
15. REGULATORY INFORMATION

OSHA'S HAZARD COMMUNICATION RULE, 219 CFR 1910.1200:	
<u>US FEDERAL REGULATIONS</u>	
US TSCA Inventory Listing	All components of this product are registered in the TSCA inventory.
EPA SARA Title III: Extremely Hazardous Substances:	Substance: NA CAS: TPA (pounds): EHS-RQ (pounds):
EPA SARA (311/312) Classification	Acute hazard
EPA SARA (313) Chemicals:	Ethylene glycol SARA 313 Threshold – 1.0% CAS (107-21-1)
EPA CERCLA Hazardous Substances (40 CFR 302):	Substance: CAS: Ethylene glycol (107-21-1) RQ (pounds): 5000 pounds
EPA RCRA Hazardous Waste Classification:	NA
<u>INTERNATIONAL REGULATIONS:</u>	
European Union:	Xn: N: R22: R41: R50:
California Prop. 65	Components: Ethylene glycol CAS (107-21-1)

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16. OTHER INFORMATION		
HMIS	HEALTH	1
	FLAMMABILITY	1
	REACTIVITY	0
	PERSONAL PROTECTION	

National Fire Protection Association



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Signed: Mark Alexander
 Date: June 15, 2022
 Revised: New