

# Safety Data Sheet

## WBSC 100 RTU

### SECTION 1. MATERIAL AND COMPANY IDENTIFICATION

PRODUCT NAME: WBSC 100 RTU

VERSION: JUNE 2015

MANUFACTURER: PACIFIC FUNCTIONAL FLUIDS, LLC  
2244 PORT OF TACOMA ROAD  
TACOMA, WA 98421-3607

CUSTOMER SERVICE: 253-284-4302 / 888-586-7295

EMERGENCY HEALTH AND SAFETY NUMBER: CHEMTREC: 800-424-9300

### SECTION 2. HAZARDS IDENTIFICATION

THIS PRODUCT IS NOT A "HAZARDOUS CHEMICAL" AS DEFINED BY THE OSHA HAZARD COMMUNICATION STANDARD 29 CFR 1910.1200.



**SIGNAL WORD: DANGER**

#### POTENTIAL HEALTH EFFECTS

**EYE:** MAY CAUSE EYE IRRITATION.

**SKIN:** BRIEF CONTACT IS NON-IRRITATING. PROLONGED OR REPEATED EXPOSURE IS LIKELY TO CAUSE SKIN IRRITATION. ADVERSE EFFECTS ARE NOT EXPECTED FROM BRIEF CONTACT.

**INGESTION:** SINGLE DOSE ORAL TOXICITY IS CONSIDERED TO BE LOW. SMALL AMOUNTS SWALLOWED INCIDENTAL TO NORMAL HANDLING OPERATIONS ARE NOT LIKELY TO CAUSE INJURY; SWALLOWING AMOUNTS LARGER THAN THAT MAY CAUSE INJURY. IF ASPIRATED (LIQUID ENTERING THE LUNG), MAY CAUSE LUNG DAMAGE.

**INHALATION:** A SINGLE BRIEF (MINUTES) INHALATION EXPOSURE IS NOT LIKELY TO CAUSE ADVERSE EFFECTS. VAPORS OR MIST MAY CAUSE IRRITATION TO UPPER RESPIRATORY TRACT (NOSE AND THROAT) HEAD ACHES AND NAUSEA.

### SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

40 – 50% -	WATER	
<5% -	ANIONIC SURFACTANT	(CAS #068555-09-9)
20 – 25% -	GLYCOL ETHER EP	(CAS #2807-30-9)
20– 25% -	n-METHYL PYRROLIDONE	(CAS #872-50-4)
<1% -	2-AMINO-2-METHYL PROPANOL	(CAS #124-68-5)

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### SECTION 4. FIRST AID MEASURES

**EYE:** IRRIGATE WITH FLOWING WATER IMMEDIATELY AND CONTINUOUSLY FOR SEVERAL MINUTES. CONSULT MEDICAL PERSONNEL IF IRRITATION PERSISTS.

**SKIN:** WASH OFF IN FLOWING WATER OR EMERGENCY SHOWER.

**INGESTION:** DO NOT INDUCE VOMITING. CALL A PHYSICIAN AND/OR TRANSPORT TO EMERGENCY FACILITY IMMEDIATELY.

**INHALATION:** REMOVE TO FRESH AIR. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, OXYGEN SHOULD BE ADMINISTERED BY QUALIFIED PERSONNEL. CALL A PHYSICIAN OR TRANSPORT TO A MEDICAL FACILITY. TREAT SKIN AND EYE BURNS OR IRRITATION.

**NOTE TO PHYSICIANS:** IF EXPOSED, TREAT SKIN AND EYE BURNS OR IRRITATION CONVENTIONALLY AFTER CONTAMINATION. CONTINUE TO RINSE EYES WITH CLEAN WATER FOR 20 – 30 MINUTES, RETRACTING EYELIDS OFTEN. CONTACT OPHTHALMOLOGIST IMMEDIATELY.

### SECTION 5. FIREFIGHTING MEASURES

**FLASHPOINT:** >200 °F

**FLAMMABLE LIMITS/%VOLUME IN AIR:** UPPER/LOWER NOT DETERMINED

**EXTINGUISHING MEDIA:** WATER FOG, CARBON DIOXIDE, DRY CHEMICAL AND FOAM. FOR LARGE SCALE FIRES, ALCOHOL PERSISTENT FOAMS ARE PREFERRED IF AVAILABLE. GENERAL PURPOSE SYNTHETIC FOAMS (INCLUDING AFF TYPE) OR PROTEIN FOAMS MAY FUNCTION, BUT MUCH LESS EFFECTIVE. WATER MAY BE USED TO FLUSH SPILLS AWAY FROM FIRE EXPOSURES AND TO DILUTE SPILLS TO NON-FLAMMABLE MIXTURES.

**SPECIAL FIREFIGHTING EQUIPMENT:** CONTAIN FIRE WATER RUNOFF IF POSSIBLE. FIRE RUNOFF IF NOT CONTAINED MAY CAUSE ENVIRONMENTAL DAMAGE. WHEN USING WATER, BOIL OVER MAY OCCUR WHEN THE PRODUCT TEMPERATURE REACHES THE BOILING POINT OF WATER (TANK TYPE SCENARIOS, NOT SPILLS).

**UNUSUAL FIRE/EXPLOSION HAZARDS:** UNDER FIRE CONDITIONS, SOME COMPONENTS OF THIS PRODUCT MAY DECOMPOSE. THE SMOKE MAY CONTAIN UNIDENTIFIED TOXIC AND/OR IRRITATING COMPOUNDS. TOXIC AND /OR IRRITATING COMPOUNDS MAY INCLUDE CARBON DIOXIDE AND CARBON MONOXIDE.

**OTHER FLAMMABLE INFORMATION:** VAPORS CAN FORM FLAMMABLE MIXTURES IF SLIGHTLY OVERHEATED.

### SECTION 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** KEEP UNNECESSARY AND UNPROTECTED PERSONNEL FROM ENTERING THE AREA. USE APPROPRIATE SAFETY EQUIPMENT. FOR ADDITIONAL INFORMATION, **REFER TO SECTION 8, EXPOSURE CONTROLS AND PERSONAL PROTECTION.**

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**ENVIRONMENTAL PRECAUTIONS:** STOP SPILL/RELEASE IF IT CAN BE DONE SAFELY. PREVENT SPILLED MATERIAL FROM ENTERING SOIL, SEWERS, STORM DRAINS, OTHER UNAUTHORIZED DRAINAGE SYSTEMS AND NATURAL WATERWAYS. USE WATER SPARINGLY TO MINIMIZE ENVIRONMENTAL CONTAMINATION AND REDUCE DISPOSAL REQUIREMENTS. SEE SECTION 12, ECOLOGICAL INFORMATION.

**METHODS FOR CONTAINMENT AND CLEAN UP:** FOR LARGE SPILLS/RELEASES, NOTIFY RELEVANT AUTHORITIES IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS. IMMEDIATE CLEAN UP OF ANY SPILL IS RECOMMENDED. DIKE FAR AHEAD OF SPILL FOR LATER RECOVERY OR DISPOSAL. ABSORB SPILL WITH INERT MATERIAL SUCH AS SAND, VERMICULITE OR KITTY LITTER AND PLACE IN SUITABLE CONTAINER FOR DISPOSAL. SEE SECTION 13, DISPOSAL CONSIDERATIONS FOR ADDITIONAL INFORMATION.

### SECTION 7. HANDLING AND STORAGE

**HANDLING:** KEEP UNCONFINED LIQUID AND VAPOR AWAY FROM HEAT, SPARK AND FLAMES.

**STORAGE:** KEEP CONTAINERS CLOSED WHEN NOT IN USE. DO NOT CUT, DRILL, GRIND, WELD OR PERFORM SIMILAR OPERATIONS ON OR NEAR EMPTY CONTAINERS.

### SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**ENGINEERING CONTROLS:** USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION MAY BE NECESSARY FOR SOME OPERATIONS.

**EYE/FACE PROTECTION:** USE CHEMICAL GOGGLES. IF VAPOR EXPOSURE CAUSES EYE DISCOMFORT, USE A FULL-FACE RESPIRATOR.

**SKIN PROTECTION:** WHEN PROLONGED OR FREQUENTLY REPEATED CONTACT COULD OCCUR, USE PROTECTIVE CLOTHING IMPERVIOUS TO THIS MATERIAL. SELECTION OF SPECIFIC ITEMS SUCH AS GLOVES, BOOTS, APRON OR FULL-BODY SUIT WILL DEPEND ON OPERATION. IF SKIN CONTACT OCCURS WASH WITH SOAP AND WATER.

**RESPIRATORY PROTECTION:** IF RESPIRATORY IRRITATION IS EXPERIENCED, USE AN APPROVED AIR-PURIFYING RESPIRATOR. FOR MOST CONDITIONS, NO RESPIRATORY PROTECTION SHOULD BE NEEDED, HOWEVER, IF DISCOMFORT IS EXPERIENCED, USE AN APPROVED AIR-PURIFYING RESPIRATOR.

**EXPOSURE GUIDELINES:** NOT ESTABLISHED

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

BOILING POINT:	208° F
MELTING POINT:	NOT DETERMINED
SPECIFIC GRAVITY (H <sub>2</sub> O = 1.0):	1.011 @ 25° C
% VOLATILE BY VOLUME:	45 WT % OR 410 G/LITER
SOLUBILITY IN WATER:	NOT DETERMINED
EVAPORATION RATE (BUTYL ACETATE = 1):	NOT DETERMINED
VAPOR PRESSURE (MM MERCURY):	18.0 MM HG @ 20° C
VAPOR DENSITY (AIR - 1.0):	>3.9
APPEARANCE AND ODOR:	SLIGHTLY GREEN/OPAQUE LIQUID, ODOR SLIGHT

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### SECTION 10. STABILITY AND REACTIVITY

CHEMICAL STABILITY:	STABLE.
CONDITIONS AND MATERIALS TO AVOID:	AVOID CONTACT WITH STRONG OXIDIZING MATERIALS. FLAMMABLE VAPORS CAN BE RELEASED AT EXTREME TEMPERATURES.
HAZARD POLYMERIZATION:	WILL NOT OCCUR.

### SECTION 11. TOXICOLOGICAL INFORMATION

#### N-METHYLPYRROLIDONE:

##### ACUTE TOXICITY

ORAL: TRACT	MAY CAUSE DISCOMFORT AND IRRITATION OF GASTROINTESTINAL
	LD50 ORAL; 4,150 mg/kg, SPECIES RAT.
INHALATION:	LC50; >5.1 mg/l, EXPOSURE TIME 4 HOURS, SPECIES RAT
DERMAL:	LD50: >5,000 mg/kg, SPECIES RAT
SKIN:	MAY CAUSE MILD SKIN IRRITATION
EYE:	CAN CAUSE SERIOUS EYE IRRITATION
RESPIRATORY/SKIN SENSITIZATION:	N/A

##### CHRONIC TOXICITY CARCINOGENICITY:

FINDINGS DO NOT APPEAR TO BE RELEVANT TO CLASSIFICATION DUE TO THE NON-GENO TOXIC MECHANISM AND THE SPECIES SENSITIVITY TO THE LIVER TUMORS OBSERVED.

##### GERM CELL MUTAGENICITY:

NO ADVERSE EFFECT OBSERVED

##### REPRODUCTIVE TOXICITY:

EFFECTS ON FERTILITY:	NO ADVERSE EFFECTS OBSERVED
EFFECTS ON DEVELOPMENT:	MAY DAMAGE UNBORN CHILD

##### TARGET ORGAN SYSTEMIC TOXICANT, SINGLE EXPOSURE:

MAY CAUSE RESPIRATORY IRRITATION, MAY CAUSE DROWSINESS OR DIZZINESS.

##### TARGET ORGAN SYSTEMIC TOXICANT, REPEATED EXPOSURE: ASPIRATION HAZARD:

N/A  
N/A

#### GLYCOL ETHER EP ACUTE TOXICITY:

ORAL:	LD50; 3,089 mg/kg, SPECIES RAT
DERMAL:	LD50; 1,337 mg/kg, SPECIES RABBIT
INHALATION:	LC50 EXPOSURE 6 HOURS, 1,337 mg/kg, SPECIES RAT
EYE:	CAUSES MILD IRRITATION
SKIN:	HARMFUL IF ABSORBED THROUGH THE SKIN
INGESTION:	HARMFUL IF SWALLOWED
INHALATION:	HARMFUL IF INHALED

CARCINOGENIC: N/A

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### AMP 95

#### ACUTE TOXICITY:

#### ORAL:

LD50, 2,900 mg/kg, SPECIES RAT

#### CHRONIC:

EXPOSURE MAY CAUSE NAUSEA AND VOMITING, HIGHER EXPOSURE CAUSES UNCONSCIOUSNESS.

#### LOCAL EFFECTS:

SYMPTOMS OF OVEREXPOSURE MAY BE HEADACHES, DIZZINESS, TIREDNESS, NAUSEA, AND VOMITING.

#### SPECIFIC EFFECTS:

MAY INCLUDE MODERATE TO SEVERE ERYTHEMA (REDNESS) AND MODERATE EDEMA, NAUSEA, VOMITING, AND HEADACHE.

#### CARCINOGENIC:

N/A

#### MUTAGENIC:

N/A

#### REPRODUCTIVE:

N/A

## SECTION 12. ECOLOGICAL INFORMATION

#### ACUTE AND CHRONIC TOXICITY TO FISH:

LOW TOXICITY, BASED ON INDIVIDUAL COMPONENTS TESTS.

#### ECOTOXICOLOGY ASSESSMENT:

NOT CLASSIFIED

#### TOXICITY TO ALGAE:

LOW TOXICITY

#### TOXICITY TO BACTERIA:

LOW TOXICITY

#### MOBILITY IN SOIL:

NO DATA AVAILABLE

#### BIODEGRADABILITY:

NO DATA AVAILABLE

#### SPILL OR LEAK PROCEDURE:

RECOVER SPILLED PRODUCT WITH APPROPRIATE EXPLOSION PROOF EQUIPMENT. ALTERNATIVE USE SAND OR OTHER ABSORBENTS MAY BE USED TO SOAK UP PRODUCT.

#### WASTE DISPOSAL:

DO NOT PUMP INTO ANY SEWERS, OR ANY DRAINS THAT LEAD TO ANY BODIES OF WATER. ALL DISPOSAL METHODS MUST BE IN COMPLIANCE WITH ALL FEDERAL, STATE, AND LOCAL LAWS AND REGULATIONS.

## SECTION 13. DISPOSAL CONSIDERATIONS

THE GENERATOR OF A WASTE IS ALWAYS RESPONSIBLE FOR MAKING PROPER HAZARDOUS WASTE DETERMINATIONS AND NEEDS TO CONSIDER STATE AND LOCAL REQUIREMENTS IN ADDITION TO FEDERAL REGULATIONS.

DO NOT DUMP INTO ANY SEWERS, ON THE GROUND OR INTO ANY BODY OF WATER.

RECYCLE OR DISPOSE OF IN ACCORDANCE WITH PREVAILING REGULATIONS, BY A RECOGNIZED COLLECTOR OR CONTRACTOR. THE COMPETENCE OF THE CONTRACTOR TO DEAL SATISFACTORILY WITH THIS TYPE OF PRODUCT SHOULD BE ESTABLISHED BEFOREHAND.

RECYCLE OR DISPOSE OF THE CONTAINER IN ACCORDANCE WITH THE LEGISLATION IN FORCE WITH A RECOGNIZED COLLECTOR OR CONTRACTOR.

WHATEVER CANNOT BE SAVED FOR RECOVERY OR RECYCLING SHOULD BE MANAGED IN AN APPROPRIATE AND APPROVED WASTE DISPOSAL FACILITY. PROCESSING, USE OR CONTAMINATION OF THIS PRODUCT MAY CHANGE THE WASTE MANAGEMENT OPTIONS. STATE AND LOCAL DISPOSAL REGULATIONS MAY DIFFER

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FROM FEDERAL DISPOSAL REGULATIONS. DISPOSE OF CONTAINER AND UNUSED CONTENTS IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REQUIREMENTS.

**SECTION 14. TRANSPORT INFORMATION**

NOT HAZARDOUS. NOT REGULATED BY DOT REGULATIONS

**SECTION 15. REGULATORY INFORMATION**

NOTICE: THE INFORMATION HEREIN IS PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE AS OF THE EFFECTIVE DATE SHOWN ABOVE. HOWEVER, NO WARRANTY, EXPRESSED OR IMPLIED IS GIVEN. REGULATORY REQUIREMENTS ARE SUBJECT TO CHANGE AND MAY DIFFER FROM ONE LOCATION TO ANOTHER. IT IS THE BUYER'S RESPONSIBILITY TO INSURE THAT IT COMPLIES WITH FEDERAL, STATE/PROVINCIAL AND LOCAL LAWS.

INGREDIENT	TSCA	
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N-METHYLPYRROLIDONE (872-50-4)	NO	LISTED
AMP 95	NO	LISTED
GLYCOL ETHER EP	NO	LISTED

INGREDIENT	-SARA 302-		-----SARA 313-----	
	RQ	TPQ	LIST	CHEMICAL CATG.
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N-METHYLPYRROLIDONE (872-50-4)	NO			YES
AMP 95	NO			NO
GLYCOL ETHER EP	NO			YES

**SECTION 16. OTHER INFORMATION**

USER ASSUMES ALL RISKS INCIDENT TO THE USE OF THIS PRODUCT. TO THE BEST OF OUR KNOWLEDGE, THE INFORMATION CONTAINED HEREIN IS ACCURATE. HOWEVER, PACIFIC FLUIDS LLC ASSUMES NO LIABILITY WHATSOEVER FOR THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED. NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESSED OR IMPLIED, ARE MADE WITH RESPECT TO INFORMATION OR PRODUCT TO WHICH INFORMATION REFERS. THE DATA CONTAINED ON THIS SHEET IS SPECIFIC TO THE PRODUCT SUPPLIED TO THE USER.