



Material Safety Data Sheet

SECTION I: Product and Company Identity:

TRADE NAME (AS LABELED): Subsea SS Stainless Steel Anti-Seize
 MANUFACTURER FOR: The SubSea Company
 MANUFACTURER ADDRESS: 4527 Brittmoore
 Houston TX 77041
 EMERGENCY PHONE: 713/671-2676 Fax: 713/671-9417
 BUSINESS PHONE: 281-324-0058
 REVIEWED: January 22, 2013
 REVIEWED BY: Jo Nell Salling

SECTION II: Composition /Information on Ingredients

The criteria for listing components in the composition section are as follows: Carcinogens are listed when present at 0.1% or greater; components which are otherwise hazardous according to OSHA are listed when present at 1.0% or greater; nonhazardous components are not listed as being proprietary information. Refer to Section IX for regulatory information.

Ingredient	SARA	CAS No.	OSHA PEL (mg/m ³)	ACGIH TLV (mg/m ³)	% Optional
triphenylphosphate	no	115-86-6	TWA: 3	TWA: 3	proprietary

SECTION III: Hazards Identification

Testing indicates that this product is practically non-toxic although it contains triphenyl phosphate. Under fire conditions, toxic acidic vapors may be formed from phosphorus oxides.

SYMPTOMS OF OVEREXPOSURE BY ROUTE

OF EXPOSURE: Overexposure to this product may cause skin and eye irritation, and possible gastric distress if ingested.

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is normally not a problem.

SKIN: Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis. No chronic health problems known.

EYES: Contact with the eyes would be expected to cause irritation consisting of reversible redness, swelling and mucous discharge to the conjunctiva.

INGESTION: Acute. Ingestion of this product may cause irritation and gastrointestinal discomfort consisting of nausea, vomiting, lethargy and/or diarrhea. Chronic: There are no known or reported effects from chronic exposure except for effects similar to those experienced from a single exposure.

HAZARDOUS MATERIAL INFORMATION SYSTEM			
HEALTH (BLUE)		1	
FLAMMABILITY (RED)		1	
REACTIVITY (YELLOW)		0	
PROTECTIVE EQUIPMENT (WHITE)		B	
EYES	RESPIRATORY	HANDS	BODY
X		X	
See Section 8			

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MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Eye irritation; pre-existing cuts, burns and skin irritation..

CARCINOGENICITY: NTP? No IARC Monographs? No OSHA regulated? No

In accordance with the current OSHA Hazard Communication Standard criteria, this product is not known or reported to be carcinogenic by reference sources including: IARC, NTP, and OSHA.

SECTION IV: First Aid Measures

EYES: Flush eyes with plenty of water for several minutes. Get medical attention if eye irritation persists.

SKIN: Remove any contaminated clothing and wash skin with plenty of soap and water for several minutes. Get medical attention if skin irritation develops or persists. If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

INGESTION: If person is conscious and can swallow, give two glasses of water but do not induce vomiting. If vomiting occurs, give fluids again. Consult a physician if symptoms develop. **DO NOT GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON.**

INHALATION: If overcome from vapor, remove from exposure and call physician. If necessary, provide respiratory support.

SECTION V: Fire Fighting Measures

Flash Point: 489 °F. Method: COC Flammable Limits: NDA

Extinguishing Media: Carbon dioxide, dry chemical, alcohol foam, water spray.

Special Fire Fighting Procedures: Toxic acid vapors may be formed from phosphorus oxides. For fires in enclosed areas, firefighters should use self-contained breathing apparatus. Use water to cool containers exposed to fire.

Unusual Fire and Explosion Hazards: Avoid fumes of burning product.

SECTION VI: Accidental Release Measures

CLEAN WATER ACT/OIL POLLUTION ACT: This product may be classified as an oil under Section 311 of the Clean Water Act, and under the Oil Pollution Act. Discharges or spills into or leading to surface waters that cause a sheen must be reported to the National Response Center (1/800-424-8802).

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Recover free product. Add sand, earth, or some other suitable adsorbent. Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered sewers, water courses, or extensive land areas.

SECTION VII: Handling and Storage

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in cool dry area in original or equivalent container in accordance with all applicable regulations. Do not apply high heat or flame to container.

OTHER PRECAUTIONS: Good personal hygiene practices should always be followed.

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SECTION VIII: Exposure Controls/Personal Protection

VENTILATION AND ENGINEERING CONTROLS: Use with adequate ventilation. Use a mechanical fan or vent area to outside if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive concentrations of vapor in air.

RESPIRATORY PROTECTION: Respiratory protection is not expected to be needed. If respiratory protection is needed, use only protection authorized by applicable regulations.

EYE PROTECTION: Safety goggles recommended.

HAND PROTECTION: Wear rubber gloves for routine industrial use.

BODY PROTECTION: Use body protection as needed for task.

SECTION IX: Physical and Chemical Properties

Boiling Point: NDA

Specific Gravity: 1.6

Vapor Pressure: NDA

Evaporation Rate: not applicable

Vapor Density: lighter than air

Solubility in Water: Negligible

Appearance and Odor: yellow paste with slight odor.

SECTION X: Stability and Reactivity

STABILITY: Unstable: No Stable: Yes

CONDITIONS TO AVOID: High heat; oxidizing materials such as liquid chlorine, concentrated oxygen, etc.

INCOMPATIBILITY: High heat; oxidizing materials

POLYMERIZATION: May occur: No Will not occur: Yes

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: carbon monoxide, carbon dioxide, fumes and smoke.

SECTION XI: Toxicological Information: No data available.

SECTION XII: Ecological Information: 96 hr LC 50 using *Pimephales promelas* (fat head minnows) >1000 ppm, 0% mortality in 96 hr test conducted in 2000.

SECTION XIII: Disposal Considerations

WASTE DISPOSAL METHODS: Dispose of waste according to all applicable regulations.

SECTION XIV: Transport Information

U.S. DOT: PROPER SHIPPING NAME: Environmentally Hazardous Substance, Solid, n.o.s. (triphenyl phosphates, n.o.s.)(triphenyl phosphate, t-butylated)

PRIMARY HAZARD CLASS/DIVISION: Class 9 (Marine Pollutant)

UN Number: UN 3077 **PACKING GROUP:** III

Non-bulk: Placards for Class 9 (UN3077) and Marine Pollutant mark would be required on containers packed with material for vessel shipments, or trucks delivering such material to port.

LABELS: Class 9 and Marine Pollutant mark, as described above.

DOMESTIC, NON VESSEL SHIPMENT: Non regulated by DOT.

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IMDG: Environmentally Hazardous Substance, Solid, n.o.s. (triphenyl phosphates, n.o.s.)(triphenyl phosphate, t-butylated), UN3077, marine pollutant

IATA: IATA does not recognize marine pollutants, but some airlines follow US domestic regulations as noted above.

SECTION XV: Regulatory Information

TOXIC SUBSTANCES CONTROL ACT (TSCA): All components are on the TSCA inventory or are not required to be listed on the TSCA inventory.

SECTION XVI: Other Information

Disclaimer: Information given herein is offered in good faith as accurate, but without guarantee. Conditions of use and suitability of this product for particular uses are beyond our control. Users should make their own investigation to determine the suitability of the information or products for their respective purposes.