



XP-911

Safety Data Sheet

Section 1: Product and Company Information

Product Name:

XP-911[®]

Generic Name

Carbon.

General Use:

Loss circulation material for oil and water based drilling fluids.

Contact information:

Setac Corporation
501 Harwell Street
Lafayette LA 70503
337-278-2325 Phone
setac@bellsouth.net email
<http://www.setac.com> Web Site

Section 2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Health:

Acute Toxicity-Not classified
Eye Corrosion-Sub-category 2A
Skin Corrosion-Not Classified
Skin Sensitization-Category 3
Mutagenicity-Not Classified
Carcinogenicity-Not Classified
Reproduction/Development-Not Classified
Target Organ Toxicity-Not Classified

Environmental

XP-911[®] is an insoluble, inorganic substance and is not expected to present any environmental hazards other than those expected for an insoluble particulate.

Physical

XP-911[®] is a black free flowing granular material, which poses no physical hazard according to GHS classification.

Hazard Statements/Precautionary Statements: None

Section 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	VOL.%	CAS
Proprietary Ingredients	Proprietary	Proprietary

COMMENTS: The proprietary ingredients of this product are not considered hazardous per 29 CFR 1910.1200. As such, the specific chemical formulation of this material is being withheld as a trade secret and will be provided to a health professional when requested and/or to a physician or nurse in a medical emergency through utilization of the telephone number(s) listed in Section 1 of this SDS.



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Section 4. FIRST AID MEASURES

EYES: Rinse with tepid water until eyes are clear of particulates. Seek medical attention if irritation persists.

SKIN: Remove contaminated clothing. Wash with mild soap and warm water. XP-911® is non-staining to skin.

INGESTION: Get immediate medical attention. Do not induce vomiting unless directed by medical personnel. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid into the lungs. XP-911® is not known to be toxic by ingestion. However, ingestion may cause digestive system blockage.

INHALATION: Move victim to fresh air. Wear approved dust mask to avoid breathing dust. Seek medical attention if irritation persists.

Section 5. FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA:

SMALL FIRE - Dry chemical, or water spray.

LARGE FIRE - Water spray, fog and foam.

FIRE FIGHTING PROCEDURES: PROTECTIVE ACTIONS TO TAKE DURING

FIRE FIGHTING - Move containers from fire area if you can do it without risk. Dike fire-control water for later disposal; do not scatter the material. Persons involved in fire-fighting response involving this product and its containers/packaging should refer to Section 8 of this SDS for the proper selection of exposure controls and personal protective equipment.

FIRE FIGHTING EQUIPMENT: PRECAUTIONS FOR FIRE INVOLVING TANKS

OR CAR/TRAILER LOADS - Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. Cool containers with flooding quantities of water until well after fire is out. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn.

FIRE EXPLOSION: This product may be combustible at high temperatures.

SENSITIVE TO STATIC DISCHARGE: This product may conduct electricity. May form mixtures with air.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide, CO₂, Carbon monoxide, CO, Sulfur Dioxide, SO₂.

NFP Rating – 110

Protective equipment - Self contained air pack, gloves, safety goggles.

Section 6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up and dispose in accordance with local, state and federal guidelines for non-hazardous substances.

LARGE SPILL: Use similar response procedures as indicated under Small Spill.

RELEASE NOTES: ENVIRONMENTAL PRECAUTIONS - XP-911® is inert and insoluble and will not pose any soluble ion hazards to the environment. Good house keeping



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practices should be followed and spilled material should be cleaned up, and disposed of in an appropriate manner.

SPECIAL PROTECTIVE EQUIPMENT: In case of dust generation, wear goggles and ensure adequate ventilation and/or use breathing apparatus. Dust in high concentrations may form explosive mixtures with air.

Section 7. HANDLING AND STORAGE

HANDLING: Dusts are subject to combustion or explosion upon contact with sparks, open flames or temperatures. Any potential of sparking or ignition should be moved prior to pulverizing or other process resulting in dust generation.

STORAGE: Keep in airtight container away from all heat sources. Store in a segregated and approved area. Store in a cool, dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Keep container in a well-ventilated area. XP-911® is incompatible with oxidizing agents. Store in the original container or an approved alternative made from compatible material. Do not store in unlabeled containers. Treat empty containers in a similar fashion as residual product may exist. Use appropriate containment to avoid environmental contamination.

STORAGE TEMPERATURE: Store containers in a room with ambient temperature.

STORAGE PRESSURE: Containers should be stored in a room at ambient pressure.

Section 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

OSHA HAZARDOUS COMPONENTS (29CFR1910.1200)

Component	ACGIH TWA	Control Reference
Proprietary Ingredients- 100%	Not Listed	10 mg/m ³ for nuisance dust, inhalable but not respirable ACGIH 2013

ENGINEERING CONTROLS: Use adequate dust collection to maintain dust levels below the control or recommended values.

PERSONAL PROTECTIVE EQUIPMENT

EYES AND FACE: Employees should be provided with and required to use safety goggles where there is any possibility of product coming in contact with eyes. Contact lenses are not eye protective devices. Appropriate eye protection must be worn instead of contact lenses. Ensure that an eye wash station is operable and nearby.

SKIN: Conventional work gloves and clothing.

RESPIRATORY: Depending on airborne concentration, wear a NIOSH approved N95 half-face dust respirator.

WORK HYGIENIC PRACTICES: Use good personal hygiene practices.

OTHER USE PRECAUTIONS: None



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Section 9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Odorless or no characteristic odor.
APPEARANCE: Gray to black free flowing powder.
pH: N/A
FLASH POINT: N/A
FLAMMABLE LIMITS: N/A
MELTING POINT: Sublimates at 3652°C
VAPOR DENSITY: Not Applicable.
% VOLATILE BY WT: 0-1%
BOILING POINT: Not Applicable.
FREEZING POINT: Not Applicable.
SOLUBILITY IN WATER: Insoluble
EVAPORATION RATE: Not Applicable.
AUTO IGNITION: Above 500°C
DUST EXPLOSION CLASS: ST1=KST>0-200 bar m/s
DECOMPOSITION TEMP: Oxidizes above 400°C

Section 10. STABILITY AND REACTIVITY

STABLE: Yes
HAZARDOUS POLYMERIZATION: No
STABILITY: This product is anticipated to be stable under normal ambient storage and handling conditions of temperature and pressure.
POLYMERIZATION: This product is not anticipated to cause hazardous reactions or polymerizations under normal ambient storage and handling conditions of temperature and pressure.
CONDITIONS TO AVOID: Avoid heat, sparks, open fire and oxidizing conditions. Dust explosion hazard.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, carbon dioxide and Sulfur Oxides.
SENSITIZATION: Not Established.
NEUROTOXICITY: Not Established.
GENETIC EFFECTS: Not Established.
REPRODUCTIVE EFFECTS: Not Established.
TERATOGENIC EFFECTS: None Known.
MUTAGENICITY: None Known.

Section 11. TOXICOLOGICAL INFORMATION

XP-911[®] is inert and insoluble and is not expected to present an ingestion hazard.

Section 12. ECOLOGICAL INFORMATION

ASSESSMENT- XP-911[®] is inert and insoluble. To best of knowledge, it should not present any



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environmental hazards.

ENVIRONMENTAL DATA: MOBILITY IN SOIL POTENTIAL - Not Established.

TERRESTRIAL/MICROORGANISM TOXICITY –

ACUTE: Ecological data does not exist for this mixture.

CHRONIC: Ecological data does not exist for this mixture.

BIOACCUMULATION/ACCUMULATION: Ecological data does not exist for this mixture.

AQUATIC TOXICITY: This product is not expected to be harmful to aquatic life.

CHEMICAL FATE INFORMATION: PERSISTENCE & DEGRADABILITY – This product is a reduced form of carbon and will not degrade under normal conditions. It is unreactive in water or oil and insoluble.

GENERAL COMMENTS: Any other adverse environmental effects, such as environmental fate (exposure), ozone depletion potential, photochemical ozone creation potential, endocrine disrupting potential, and global warming potential are indicated in this section if data exists. Otherwise, this data has not been established.

Section 13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: This product does not meet the criteria of a hazardous waste if discarded in its purchased form. Under RCRA, it is the responsibility of the user of the product to determine at the time of disposal, whether the product meets RCRA criteria for hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

PRODUCT DISPOSAL: Recover and reclaim or recycle, if practical. Should this product become a waste, dispose of in a permitted industrial landfill. Ensure that containers are empty by RCRA criteria prior to disposal in a permitted industrial landfill.

EMPTY CONTAINER: Empty containers may retain residues. All label precautions must be observed.

RCRA/EPA WASTE INFORMATION: Under the U.S. Environmental Protection Agency's (EPA) Resource Conservation and Recovery Act (RCRA), it is the responsibility of the user to determine at the time of disposal whether the product meets RCRA criteria for a hazardous waste. This is because product uses, transformations, mixtures, processes, etc. may render the resulting materials hazardous.

COMMENTS: Dispose of material in accordance with national, state, regional, and local regulations.

Section 14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Not regulated as a dangerous good.

U.S. CUSTOMS HARMONIZATION NUMBER: 2803.00.0050

RAIL AND ROAD (ADR/RID)

PROPER SHIPPING NAME: Not regulated as a dangerous good.

AIR (ICAO/IATA)

PROPER SHIPPING NAME: Not regulated as a dangerous good.

VESSEL (IMO/IMDG)

PROPER SHIPPING NAME: Not regulated as a dangerous good.

COMMENTS: This section provides basic shipping classification information. Refer to appropriate transportation regulations for specific requirements.

Section 15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: None known

FIRE: No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** No **CHRONIC:** No
CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)

CERCLA REGULATORY: None of the components are listed.

CALIFORNIA PROPOSITION 65: This product does not contain any chemicals, which are known to the State of California to cause cancer, birth defects or other reproductive harm at concentrations that trigger the warning requirements of California Proposition 65.

RCRA STATUS: Not a hazardous waste.

CARCINOGEN: This product is not listed as a carcinogen under NTP, IARC, or OSHA.

CANADA

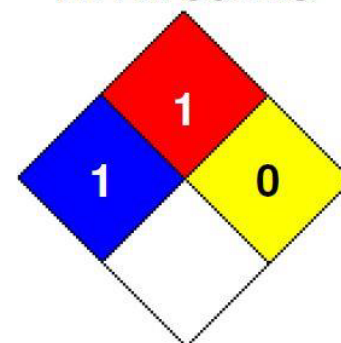
WHMIS (WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM): Not a controlled product

16. OTHER INFORMATION

HMIS RATING

HEALTH	<input type="checkbox"/>	1
FLAMMABILITY	<input type="checkbox"/>	1
PHYSICAL HAZARD	<input type="checkbox"/>	0
PERSONAL PROTECTION	<input type="checkbox"/>	E

NFPA CODES



HMIS RATINGS NOTES: Please refer to Section 8 of this SDS for recommended personal protective equipment.

DATA SOURCES:

REFERENCES

- ACGIH. 2014 Guide to Occupational Exposure Values. Cincinnati, OH. Signature Publications, 2014.
- Forsberg, K. et al. Quick Selection Guide to Chemical Protective Clothing. Sixth Edition. Hoboken, NJ. John Wiley & Sons, 2014.
- Lide, D.R. CRC Handbook of Chemistry and Physics. 88th Edition. Boca Raton, FL. CRC Press, 2008.
- UNECE. Globally Harmonized System of Classification and Labeling of Chemicals (GHS). Third Revised Edition. New York and Geneva. United Nations, 2009.
- US DOT; Pipeline and Hazardous Materials Safety Administration. 2008 Emergency Response Guidebook.



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Neenah, WI. J.J. Keller & Associates, Inc. 2008.

US EPA. Consolidated List of Chemicals Subject to the Emergency Planning and Community Right-To-Know Act (EPCRA) and Section 112(r) of the Clean Air Act. [Available] Online: <http://www.epa.gov/ceppo/pubs/title3.pdf>. Retrieved 02/02/2011.

ADDITIONAL SDS INFORMATION:

KEY / LEGEND

ACGIH - American Conference of Governmental Industrial Hygienists

ADR - Agreement on Dangerous Goods by Road ASTM - American Society for Testing and Materials

CAA - Clean Air Act

CAS - Chemical Abstracts Service Registry Number

CDG - Carriage of Dangerous Goods By Road and Rail Manual

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

CFR - Code of Federal Regulations

EINECS - European Inventory of Existing Chemical Substances Registry Number

NAERG - Emergency Response Guidebook

EPCRA - Emergency Planning and Community Right-to-Know Act

GHS - Globally Harmonized System of Classification and Labeling of Chemicals

IARC - International Agency for Research on Cancer

IATA - International Air Transport Association

ICAO - International Civil Aviation Organization

IMDG - International Maritime Dangerous Goods Code

IMO - International Maritime Organization

MSDS - Material Safety Data Sheet

N/E - Not Established

NTP - National Toxicology Program

OSHA - Occupational Safety and Health Administration

PEL - Permissible Exposure Limit

PPE - Personal Protective Equipment

RCRA - Resource Conservation and Recovery Act

RID - Regulations Concerning the International Transport of Dangerous

RQ - Reportable Quantities

SARA - Superfund Amendments and Reauthorization Act of 1986

SDS - Safety Data Sheet

TCC - Tag Closed Cup

TDG - Transportation of Dangerous Goods

TLV - Threshold Limit Value

TSCA - Toxic Substance Control Act

UN/NA - United Nations / North American Number

UNECE - United Nations Economic Commission for Europe

US DOT - United States Department of Transportation

US EPA - United States Environmental Protection Agency

Vol. - Volume

WHMIS - Workplace Hazardous Materials Information System

GENERAL STATEMENTS: Other information not included anywhere else in this SDS is included in this section if, in fact, such data exists.



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