

Safety Data Sheet in accordance with Regulation EU No 453/2010

1. Identification of the Substance/ Mixture and of the Company/ Undertaking

Product Name: ATI Ondina X 420

Preparation Date: 3/9/2017

Revision Date: 3/9/2017

Recommended Use: Process Oil

Supplier: Air Techniques International
Units 9 and 10 Protea Way
Pixmore Avenue
Letchworth Garden City, Hertfordshire
SG6 1JT United Kingdom

Telephone: +44 (0) 1462 676446

Emergency Telephone Number:

2. Hazard Identification

GHS Classification: Aspiration Hazard: Category 1
H304 – May be fatal if swallowed and enters airways.

GHS Labeling:

Symbol:



Signal Word: Danger

Precautionary Statements: P301 + P310: IF SWALLOWED: Immediately call a POISON CENTER OR doctor/physician

P331: Do NOT induce vomiting

P405: Store locked up

P501: Dispose of contents and container in accordance with local regulations

Other Hazards Not Classified: No significant hazards

3. *Composition/Information on Ingredients*

Chemical Name	CAS Number	Concentration. Wt.%
Distillates (Fischer-Tropsch), heavy, C18-50-branched, and linear	1262661-88-0	100%

4. *First Aid*

Inhalation: If inhaled, move to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Contact a physician immediately.

Eyes: Flush with large amounts of cold water for at least 15 minutes. Do not let victim rub eyes. If irritation develops, contact a physician immediately.

Ingestion: Do not induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If victim is conscious and able to swallow, promptly have victim drink water to dilute. Never give anything by mouth if victim is unconscious or having convulsions. Contact a physician immediately.

Skin: Wash affected area with soap and water. Remove contaminated clothing. Launder contaminated clothing before re-use.

Most important symptoms and hazardous effects: If material enters lungs, signs and symptoms include coughing, choking, wheezing, difficulty in breathing, chest congestion, shortness of breath, and/or fever.

The onset of respiratory symptoms may be delayed for several hours after exposure.

Defatting dermatitis signs and symptoms may include a burning sensation and/or a dried/cracked appearance.

Indication of immediate medical attention and special treatment needed: If ingested, material may be aspirated into the lungs and cause chemical pneumonitis. Treat appropriately.

5. *Fire-fighting Measures*

Suitable extinguishing media: Carbon dioxide, Dry chemical, Foam, Water spray

Specific hazards: Smoke, fumes, and incomplete combustion products.

Specific protective equipment and precautions for fire fighters: Use water spray, dry chemical, foam, or carbon dioxide. Water may be ineffective but should be used to keep fire exposed containers cool. If a spill or a leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.

Perform only those firefighting procedures for which you have been trained. Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full-

face piece where there is a possibility of exposure to smoke, fumes, or hazardous decomposition products.

Flammability Properties:

Flash point: 225°C (Cleveland Open Cup)

Autoignition Temperature: > 320°C

6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures:

Use personal protective equipment. Ensure adequate ventilation.

Environmental Precautions: Do not allow spilled material to enter sewers or streams. If spills are likely to enter any drain, waterway or groundwater, contact the appropriate governmental agency.

Methods and materials for containment: Slippery when spilled. Avoid accidents, clean up immediately. Add dry material to absorb (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

7. Handling and Storage

Precautions for safe handling: Read label for instructions in use of product. Prevent small spills and leakage to avoid slip hazard. Material can accumulate static charges which may cause an electrical spark (ignition source).

Conditions for safe storage: Store in closed containers in a cool, dry well ventilated area. Maintain closure of bungs. Do not reuse container. Avoid container damage while storing.

Empty containers retain residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, bronze, solder, drill, grind or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death. Do not attempt to refill containers since residue is difficult to remove. Empty drums should be completely drained, properly bunged and returned to a drum re-conditioner. All containers should be disposed of in an environmentally safe manner in accordance with governmental regulations.

8. Exposure Controls/Personal Protection

Control parameters: For mist and aerosols: 5 mg/m³ ACGIH TLV; 10 mg/m³ ACGIH STEL – US ACGIH Threshold Limit Values

Appropriate engineering controls: Proper protection and controls is dependent upon the potential exposure conditions. No special requirements are needed under ordinary conditions where adequate ventilation is available.

Individual protective measures:

Respiratory protection: Needed when airborne contaminant concentrations are at a level which cannot protect worker health. Then an approved respirator must be used. Selection of the respirator is dependent upon regulatory conditions.

For high airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode.

Eye protection: No eye protection is needed under conditions of normal use. If there is a possibility that the product can be splashed into the eyes, then safety glasses with side shields or chemical goggles are required. Contact lenses should also not be worn if the product could be splashed into the eyes.

Hand protection: No gloves are required for single, short duration exposures. For prolonged or repeated exposures, wear rubber gloves.

Body protection: If product use involves single, short duration exposures, then no additional protective wear for covering the skin is required. For prolonged or repeated exposures to the skin, wear impervious, protective clothing including rubber safety shoes to avoid skin contact.

9. Physical and Chemical Properties

Appearance: Liquid

Odor: Slight Hydrocarbon

Odor Threshold: N/A

pH: N/A

Pour point: -36°C

Initial boiling point and boiling range: > 280°C (estimated value)

Flash Point (Method): 225°C (Cleveland Open Cup)

Evaporation Rate: N/A

Flammability (Solid, Gas): N/A

Upper/lower flammability or explosive limits: UEL: Typical 10% (V); LEL: Typical 1% (V)

Vapor pressure: <0.5 Pa at 20°C estimated value

Vapor density: >1 estimated value

Relative density: 0.816 @ 15°C

Solubility in water: Insoluble

Partition coefficient n-octanol/water: > 6 (based on information on similar products)

Autoignition Temperature: > 320°C

Decomposition Temperature: N/A

Viscosity: 18 cSt at 40°C/ 4 cSt at 100°C

10. Stability and Reactivity

Chemical stability: Stable at normal conditions

Possibility of hazardous reactions: Not expected and hazardous polymerization will not occur

Conditions to avoid: Extremes of temperature and direct sunlight

Incompatible Materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon dioxide and carbon monoxide

11. Toxicological Information

Acute Inhalation Toxicity: LC50 (Rat) > 5 mg/l;
Exposure time: 4 hours
Low toxicity by inhalation

Acute Oral Toxicity: LD50 (rat) > 5,000 mg/kg; Expected to be of low toxicity
Aspiration into the lungs may cause chemical pneumonitis which can be fatal

Acute Dermal Toxicity: LD50 > 5,000 mg/kg Low toxicity

Inhalation: Aspiration into the lungs when swallowed or vomited may cause chemical pneumonitis which can be fatal.

Skin: Not irritating to skin. Prolonged/repeated contact may cause defatting of the skin which can lead to dermatitis

Eyes: Contact expected to be slightly irritating

Systemic (other target organ) Effects: None known

Teratology (birth defects): None known

Reproductive Effects: None known

Mutagenicity (effects on genetic material): None known

Carcinogenicity: IARC: NO NTP: No OSHA: No

12. Ecological Information

Aquatic/terrestrial ecological toxicity:

Toxicity to fish: LL/EL/IL50 > 100 mg/liter
Expected to be practically non-toxic

Toxicity to daphnia: LL/EL/IL50 > 100 mg/liter
Expected to be practically non-toxic

Toxicity to algae: LL/EL/IL50 > 100 mg/liter
Expected to be practically non-toxic

Toxicity to fish: NOEC/NOEL expected to be >10-<=100 mg/l

Toxicity to daphnia: NOEC/NOEL expected to be $>10- \leq 100$ mg/l

Toxicity to bacteria: LL/EL/IL50 > 100 mg/liter
Expected to be practically non-toxic

Mobility: Not established

Persistence and degradability: Expected to be inherently biodegradable.

Bioaccumulative: Has the potential to bioaccumulate

13. Disposal Considerations

Disposal methods: Product can be disposed of by burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited by the controlling authority. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at any licensed waste disposal site.

Precaution for disposal: All recovered material should be packaged, labeled, transported and disposed or reclaimed in conformance with Good Engineering Practices. Comply with all applicable governmental regulations. Avoid land filling of liquids. Reclaim where possible.

14. Transport Information

RID/ADR: Not regulated by RID/ADR

IMO: Not regulated by IMO

IATA: Not regulated by IATA

USA DOT: Not designated as a hazardous material by the USA DOT

15. Regulatory Information

Europe REACH (EC) No 1907/2006: Product contains components that are registered in compliance with REACH (EC) No 1907/2006.

USA TSCA: In compliance with the inventory

16. Other Information

References and Sources: Information contained in this safety data sheet is based on Air Techniques International owned data and public sources deemed valid or acceptable.

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