

# Safety Data Sheet

## Termidor Foam Termiticide/Insecticide

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Version: 9.0

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(30579852/SDS\_CPA\_US/EN)

### 1. Identification

**Product identifier used on the label**

**Termidor Foam Termiticide/Insecticide**

**Recommended use of the chemical and restriction on use**

Recommended use\*: crop protection product, insecticide

\* The "Recommended use" identified for this product is provided solely to comply with a Federal requirement and is not part of the seller's published specification. The terms of this Safety Data Sheet (SDS) do not create or infer any warranty, express or implied, including by incorporation into or reference in the seller's sales agreement.

**Details of the supplier of the safety data sheet**

Company:  
BASF Agricultural Solutions US LLC  
2 TW Alexander Drive  
Research Triangle Park, NC 27713  
USA

Telephone: +1 973 245-6000

**Emergency telephone number**

24 Hour Emergency Response Information

CHEMTREC: 1-800-424-9300

BASF HOTLINE: 1-800-832-HELP (4357)

**Other means of identification**

Substance number:	553910
Registration number:	EPA Registration number: 499-563
Synonyms:	fipronil

### 2. Hazards Identification

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

**Classification of the product**

Aquatic Acute	2	Hazardous to the aquatic environment - acute
Aquatic Chronic	1	Hazardous to the aquatic environment - chronic
Flam. Aerosol	1	Flammable aerosols

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### Label elements

Pictogram:



Signal Word:  
Danger

Hazard Statement:

H222	Extremely flammable aerosol.
H401	Toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

Precautionary Statements (Prevention):

P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P273	Avoid release to the environment.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.

Precautionary Statements (Response):

P391	Collect spillage.
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Precautionary Statements (Storage):

P410 + P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122°F.
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Precautionary Statements (Disposal):

P501	Dispose of contents/container in accordance with local regulations.
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### 3. Composition / Information on Ingredients

#### According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Fipronil

CAS Number: 120068-37-3  
Content (W/W): 0.005 %  
Synonym: Fipronil

Sulfonic acids, C14-16-alkane hydroxy and C14-16-alkene, sodium salts

CAS Number: 68439-57-6  
Content (W/W): > 0.0 - < 0.2%  
Synonym: Sulfonic acids, alkane(C=14-16) hydroxy and alkene(C=14-16) sodium salts

propane

CAS Number: 74-98-6  
Content (W/W): >= 3.0 - < 5.0%  
Synonym: Propan

n-Butane

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CAS Number: 106-97-8  
Content (W/W):  $\geq 3.0$  -  $< 5.0\%$   
Synonym: n-Butan

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### 4. First-Aid Measures

#### Description of first aid measures

##### General advice:

First aid providers should wear personal protective equipment to prevent exposure. Remove contaminated clothing. Move person to fresh air. If person is not breathing, call 911 or ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. In case of intoxication, call a poison control center or physician for treatment advice, taking the packaging or the label of the product.

##### If inhaled:

Remove the affected individual into fresh air and keep the person calm.

##### If on skin:

Immediately wash thoroughly with soap and water, seek medical attention.

##### If in eyes:

Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after first 5 minutes, then continue rinsing.

##### If swallowed:

Never induce vomiting or give anything by mouth if the victim is unconscious or having convulsions. Do not induce vomiting. Have person sip a glass of water if able to swallow.

#### Most important symptoms and effects, both acute and delayed

Symptoms: (Further) symptoms and / or effects are not known so far  
convulsions, CNS stimulation, tremors

Hazards: (Further) symptoms and / or effects are not known so far

#### Indication of any immediate medical attention and special treatment needed

##### Note to physician

###### Treatment:

Treat according to symptoms (decontamination, vital functions), no known specific antidote. Anticonvulsant therapy as routinely administered to humans. Based on animal studies diazepam and phenobarbital prevented convulsions. Due to the slow elimination of the active compound and its metabolites, the treatment must be continued for several days, gradually decreasing the dose of anticonvulsant based on the clinical response.

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### 5. Fire-Fighting Measures

#### Extinguishing media

Suitable extinguishing media:  
water spray, dry powder, foam, carbon dioxide

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### Special hazards arising from the substance or mixture

Hazards during fire-fighting:

carbon monoxide, carbon dioxide, Hydrogen chloride, hydrogen fluoride, hydrogen bromide, nitrogen oxides, halogenated compounds, sulfur oxides, silica compounds

The substances/groups of substances mentioned can be released in case of fire. Aerosol container contains flammable gas under pressure.

### Advice for fire-fighters

Protective equipment for fire-fighting:

Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

### Further information:

Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

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## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment.

### Environmental precautions

Do not discharge into the subsoil/soil. Do not discharge into drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

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## 7. Handling and Storage

### Precautions for safe handling

RECOMMENDATIONS ARE FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS. PESTICIDE APPLICATORS & WORKERS must refer to the Product Label and Directions for Use attached to the product for Agricultural Use Requirements in accordance with the EPA Worker Protection Standard 40 CFR part 170. Ensure adequate ventilation. Provide good ventilation of working area (local exhaust ventilation if necessary). Keep away from sources of ignition - No smoking. Keep container tightly sealed. Protect contents from the effects of light. Protect against heat. Protect from air. Handle and open container with care. Do not open until ready to use. Once container is opened, content should be used as soon as possible. Provide means for controlling leaks and spills. Do not return residues to the storage containers. Follow label warnings even after container is emptied. The substance/ product may be handled only by appropriately trained personnel. Avoid all direct contact with the substance/product. Avoid contact with the skin, eyes and clothing. Avoid inhalation of dusts/mists/vapours. Wear suitable personal protective clothing and equipment.

Protection against fire and explosion:

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The relevant fire protection measures should be noted. Fire extinguishers should be kept handy. Avoid all sources of ignition: heat, sparks, open flame. Sources of ignition should be kept well clear. Avoid extreme heat. Keep away from oxidizable substances. Electrical equipment should conform to national electric code. Ground all transfer equipment properly to prevent electrostatic discharge. Electrostatic discharge may cause ignition.

### Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions: Keep only in the original container in a cool, dry, well-ventilated place away from ignition sources, heat or flame. Protect containers from physical damage. Protect against contamination. The authority permits and storage regulations must be observed. Protect from temperatures above: 40 °C  
The packed product must be protected against exceeding the indicated temperature.

## 8. Exposure Controls/Personal Protection

Users of a pesticidal product should refer to the product label for personal protective equipment requirements.

### Components with occupational exposure limits

propane	OSHA Z1: ACGIH, US:	PEL 1,000 ppm 1,800 mg/m <sup>3</sup> ; ; D: Simple asphyxiant, EX: Explosion hazard
n-Butane	ACGIH, US:	STEL value 1,000 ppm ; Explosion hazard.

### Advice on system design:

Whenever possible, engineering controls should be used to minimize the need for personal protective equipment.

### Personal protective equipment

### RECOMMENDATIONS FOR MANUFACTURING, COMMERCIAL BLENDING, AND PACKAGING WORKERS:

#### Respiratory protection:

Wear respiratory protection if ventilation is inadequate. Wear a NIOSH-certified (or equivalent) organic vapour/particulate respirator. For situations where the airborne concentrations may exceed the level for which an air purifying respirator is effective, or where the levels are unknown or Immediately Dangerous to Life or Health (IDLH), use NIOSH-certified full facepiece pressure demand self-contained breathing apparatus (SCBA) or a full facepiece pressure demand supplied-air respirator (SAR) with escape provisions.

#### Hand protection:

Chemical resistant protective gloves, Protective glove selection must be based on the user's assessment of the workplace hazards.

#### Eye protection:

Safety glasses with side-shields. Tightly fitting safety goggles (chemical goggles). Wear face shield if splashing hazard exists.

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### Body protection:

Body protection must be chosen depending on activity and possible exposure, e.g. head protection, apron, protective boots, chemical-protection suit.

### General safety and hygiene measures:

Wear long sleeved work shirt and long work pants in addition to other stated personal protective equipment. Work place should be equipped with a shower and an eye wash. Handle in accordance with good industrial hygiene and safety practice. Personal protective equipment should be decontaminated prior to reuse. Gloves must be inspected regularly and prior to each use. Replace if necessary (e.g. pinhole leaks). Take off immediately all contaminated clothing. Store work clothing separately. Hands and/or face should be washed before breaks and at the end of the shift. No eating, drinking, smoking or tobacco use at the place of work. Keep away from food, drink and animal feeding stuffs.

## 9. Physical and Chemical Properties

Form:	liquid
Odour:	odourless
Odour threshold:	not applicable, odour not perceivable
Colour:	off-white
pH value:	approx. 5 - 7 ( 24 °C)
Melting point:	approx. 0 °C
Boiling point:	Information applies to the solvent. approx. -43 - 13 °C The statements are based on the properties of the individual components.
Flash point:	approx. -104 °C The statements are based on the properties of the individual components.
Flammability:	not applicable
Flammability of Aerosol	0 in
Products:	no flashback
NFPA 30B flammability:	Level 1 Aerosol
Lower explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Upper explosion limit:	As a result of our experience with this product and our knowledge of its composition we do not expect any hazard as long as the product is used appropriately and in accordance with the intended use.
Autoignition:	approx. 287 °C The product has not been tested. The statement has been derived from the properties of the individual components.

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Vapour pressure:	approx. 70 PSI ( 21.4 °C) Information applies to the solvent.
Density:	approx. 1 g/cm <sup>3</sup> ( 20 °C) 8.35 lb/USg ( 20 °C)
Vapour density:	not applicable
Partitioning coefficient n-octanol/water (log Pow):	not applicable
Thermal decomposition:	No decomposition if stored and handled as prescribed/indicated. carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide Stable at ambient temperature. If product is heated above decomposition temperature, toxic vapours will be released.
Viscosity, dynamic:	27.83 mPa.s ( 24.9 °C)
Solubility in water:	dispersible
Evaporation rate:	not applicable
Other Information:	If necessary, information on other physical and chemical parameters is indicated in this section.

## 10. Stability and Reactivity

### Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

Oxidizing properties:

Based on its structural properties the product is not classified as oxidizing.

### Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### Possibility of hazardous reactions

The product is chemically stable.

Hazardous polymerization will not occur. No hazardous reactions if stored and handled as prescribed/indicated.

### Conditions to avoid

Avoid all sources of ignition: heat, sparks, open flame. Avoid prolonged storage. Avoid electro-static discharge. Avoid contamination. Avoid prolonged exposure to extreme heat. Avoid extreme temperatures.

### Incompatible materials

strong acids, strong bases, strong oxidizing agents

### Hazardous decomposition products

Decomposition products:

Hazardous decomposition products: No hazardous decomposition products if stored and handled as prescribed/indicated.

Thermal decomposition:

No decomposition if stored and handled as prescribed/indicated.

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Possible thermal decomposition products:  
carbon monoxide, carbon dioxide, nitrogen oxide, nitrogen dioxide  
Stable at ambient temperature. If product is heated above decomposition temperature, toxic vapours will be released.

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## 11. Toxicological information

### Primary routes of exposure

Routes of entry for solids and liquids are ingestion and inhalation, but may include eye or skin contact. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquefied gases.

### Acute Toxicity/Effects

#### Acute toxicity

Assessment of acute toxicity: Virtually nontoxic after a single ingestion. Virtually nontoxic by inhalation. Virtually nontoxic after a single skin contact.

#### Oral

Type of value: LD50  
Species: rat (female)  
Value: > 5,000 mg/kg

#### Inhalation

Type of value: LC50  
Species: rat (male/female)  
Value: > 5.09 mg/l  
Exposure time: 4 h  
An aerosol was tested.  
No mortality was observed.

#### Dermal

Type of value: LD50  
Species: rat (male/female)  
Value: > 5,000 mg/kg

#### Assessment other acute effects

Assessment of STOT single:

Based on the available information there is no specific target organ toxicity to be expected after a single exposure.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Irritation / corrosion

Assessment of irritating effects: Not irritating to eyes and skin.

#### Skin

Species: rabbit  
Result: non-irritant

#### Eye

Species: rabbit  
Result: non-irritant



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### Sensitization

Assessment of sensitization: No sensitizing effect.

Buehler test

Species: guinea pig

Result: Non-sensitizing.

### Aspiration Hazard

not applicable

## Chronic Toxicity/Effects

### Repeated dose toxicity

Assessment of repeated dose toxicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Assessment of repeated dose toxicity: Causes mortality and signs of neurotoxicity through prolonged or repeated exposure.*

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### Genetic toxicity

Assessment of mutagenicity: Mutagenicity tests revealed no genotoxic potential. The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Assessment of mutagenicity: Results from a number of mutagenicity studies with microorganisms, mammalian cell culture and mammals are available. Taking into account all of the information, there is no indication that the substance is mutagenic.*

*Information on: liquified petroleum gas propellant*

*Assessment of mutagenicity: Not classified, due to lack of data.*

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### Carcinogenicity

Assessment of carcinogenicity: The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*Assessment of carcinogenicity: In long-term studies in rats the substance induced thyroid tumors. The effect is caused by an animal specific mechanism that has no human counter part. In long-term studies in mice in which the substance was given by feed, a carcinogenic effect was not observed.*

*Information on: liquified petroleum gas propellant*

*Assessment of carcinogenicity: Not classified, due to lack of data.*

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### Reproductive toxicity

Assessment of reproduction toxicity: The results of animal studies gave no indication of a fertility impairing effect. The product has not been tested. The statement has been derived from the properties of the individual components.

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### Teratogenicity

Assessment of teratogenicity: Animal studies gave no indication of a developmental toxic effect at doses that were not toxic to the parental animals. The product has not been tested. The statement has been derived from the properties of the individual components.

### Other Information

Misuse can be harmful to health.

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## 12. Ecological Information

### **Toxicity**

#### Aquatic toxicity

Assessment of aquatic toxicity:

Toxic to aquatic life. Very toxic to aquatic life with long lasting effects.

The product has not been tested. The statement has been derived from the properties of the individual components.

#### Toxicity to fish

Information on: *Fipronil*

LC50 (96 h) 0.0852 mg/l, *Lepomis macrochirus*

#### Aquatic invertebrates

Information on: *Fipronil*

EC50 (48 h) 0.19 mg/l, *Daphnia magna*

LC50 (48 h) 0.00017 mg/l, *Mysidopsis bahia*

#### Aquatic plants

Information on: *Fipronil*

EC50 (72 h) 0.103 mg/l (growth rate), *Scenedesmus subspicatus*

No observed effect concentration (72 h)  $\geq$  0.14 mg/l, *Pseudokirchneriella subcapitata*

EC50 (14 d)  $>$  0.16 mg/l (biomass), *Lemna gibba*

No observed effect concentration (14 d)  $>$  0.16 mg/l (biomass), *Lemna gibba*

#### Chronic toxicity to fish

Information on: *Fipronil*

No observed effect concentration (35 d) 0.0029 mg/l, *Cyprinodon variegatus*

#### Chronic toxicity to aquatic invertebrates

Information on: *Fipronil*

No observed effect concentration (28 d) 0.000008 mg/l, *Mysidopsis bahia*

### **Persistence and degradability**

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### Assessment biodegradation and elimination (H2O)

*Information on: Fipronil*

*Not readily biodegradable (by OECD criteria).*

*Information on: liquified petroleum gas propellant*

*The volatility might play an important part as an elimination route.*  
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### **Bioaccumulative potential**

#### Bioaccumulation potential

*Information on: Fipronil*

*Bioconcentration factor: 321 (35 d), Lepomis macrochirus (OECD Guideline 305 E)*

*Information on: liquified petroleum gas propellant*  
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### **Mobility in soil**

#### Assessment transport between environmental compartments

The product has not been tested. The statement has been derived from the properties of the individual components.

*Information on: Fipronil*

*The substance will not evaporate into the atmosphere from the water surface.  
Adsorption to solid soil phase is not expected.*

*Information on: liquified petroleum gas propellant*  
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## **13. Disposal considerations**

### **Waste disposal of substance:**

Pesticide wastes are regulated. Improper disposal of excess pesticide, spray mix or rinsate is a violation of federal law. If pesticide wastes cannot be disposed of according to label instructions, contact the State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Container disposal:**

Do not cut, puncture, crush, or incinerate empty aerosol containers. Consult state or local disposal authorities for approved alternative procedures such as container recycling. Empty aerosol cans may meet the definition of RCRA D003. Consult local and/or regional EPA for further guidance.

### **RCRA:**

This product is not regulated by RCRA.

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### 14. Transport Information

#### Land transport

USDOT

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Proper shipping name: AEROSOLS (contains FIPRONIL, HYDROCARBON PROPELLENT)

#### Sea transport

IMDG

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1, EHSM  
Marine pollutant: YES  
Proper shipping name: AEROSOLS (contains FIPRONIL, HYDROCARBON PROPELLENT)

#### Air transport

IATA/ICAO

Hazard class: 2.1  
ID number: UN 1950  
Hazard label: 2.1  
Proper shipping name: AEROSOLS, FLAMMABLE (contains FIPRONIL, HYDROCARBON PROPELLENT)

#### Further information

DOT: This product may be classified as ORM-D (Consumer Commodity) or Limited Quantity. After 12/31/2020, ORM-D will not apply.

### 15. Regulatory Information

#### Federal Regulations

##### Registration status:

Crop Protection TSCA, US released / exempt

**EPCRA 311/312 (Hazard categories):** Refer to SDS section 2 for GHS hazard classes applicable for this product.

#### CERCLA RQ

5000 LBS  
100 LBS

#### CAS Number

64-19-7; 67-56-1  
106-97-8; 74-98-6

#### Chemical name

Acetic acid; Methanol  
n-Butane; propane

#### State regulations

##### State RTK

NJ

##### CAS Number

74-98-6  
106-97-8

##### Chemical name

propane  
n-Butane

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PA	74-98-6 106-97-8	propane n-Butane
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### Safe Drinking Water & Toxic Enforcement Act, CA Prop. 65:

### BASF Risk Assessment, CA Prop. 65:

Based on an evaluation of the product's composition and the use(s), this product does not require a California Proposition 65 Warning.

### Labeling requirements under FIFRA

This chemical is a pesticide product regulated by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label.

#### CAUTION:

KEEP OUT OF REACH OF CHILDREN.

Avoid contact with the skin, eyes and clothing.

Avoid inhalation of mists/vapours.

Flammable Liquid

Aerosol container contains flammable gas under pressure.

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## 16. Other Information

### SDS Prepared by:

BASF Agricultural Solutions US NA Product Regulations

SDS Prepared on: 2023/11/01

We support worldwide Responsible Care® initiatives. We value the health and safety of our employees, customers, suppliers and neighbors, and the protection of the environment. Our commitment to Responsible Care is integral to conducting our business and operating our facilities in a safe and environmentally responsible fashion, supporting our customers and suppliers in ensuring the safe and environmentally sound handling of our products, and minimizing the impact of our operations on society and the environment during production, storage, transport, use and disposal of our products.

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END OF DATA SHEET