

# Safety Data Sheet

According To Regulation (EC) No 1907/2006 (REACH)

## MULTI FUNCTION PAINT (A)

### COMPANENT

Version: 3.0  
Form No: 330086

Preparation Date : 06/07/2018  
Revision Date: 06/11/2020

## 1.IDENTIFICATION OF THE PRODUCT AND OF THE COMPANY/UNDERTAKING

### Product Identifier

**Product Name** MULTI FUNCTION PAINT (A) COMPANENT

**Product Code** 1514

**SDS No** 330086

**Description** Water and Epoxy resin based, two component bright and wipeable interior paint that can be applied many surfaces.

### Relevant Identified Uses Of The Product And Uses Advised Against

Relevant Identified Uses Suitable for Suitable for interior

Uses Advised Against See chapter 16 for a general overview

### Details Of The Supplier Of The Safety Data Sheet

**Manufacturer Company** DEKA BOYA SANAYİ VE TİCARET A.Ş.

**Address** S.S.İstanbul Mermerciler Küçük San.Sitesi Yapı Koop.  
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**Telephone** +90(262) 728 10 88 (Pbx)

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**Company E-mail** [info@sandeco.com.tr](mailto:info@sandeco.com.tr)

**Company Web Page** [www.sandeco.com.tr](http://www.sandeco.com.tr)

### Information Providing Authority About Safety Data Sheet

**Kenan HAYAL – [kenan.hayal@dekaboya.com.tr](mailto:kenan.hayal@dekaboya.com.tr)**

### Emergency Telephone Number

**Company Emergency** +90(216) 575 56 56 (Pbx)

## 2.HAZARDS IDENTIFICATION

### Classification Of The Product

#### Classification According to Regulation (EC) No 1272/2008

The product is not classified as hazardous pursuant to the provisions set forth in

Directives EC Regulation 1272/2008 (CLP) (and subsequent amendments and supplements).

Skin corrosion/irritation, Category 2 H315

Causes serious eye irritation, Category 2A H319

May cause an allergic skin reaction Category 1 H317

Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation H335

Full text of H-statements: see section 16

### Label elements

#### Labeling According to Regulation (EC) No 1272/2008 [CLP<sup>1</sup>/GHS<sup>2</sup>]

### Product Identifier

### Hazard Pictograms





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### Signal Word

DANGER

### Precautionary Statements

#### General

None

#### Prevention

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 - Wash hands, forearms and face with soap and water thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P272 - Contaminated work clothing should not be allowed out of the workplace.

P280 Wear protective gloves/protective clothing/eye protection/face protection

#### Response

P301+P312 - IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

P302+P352 Wash with plenty of water in contact with skin

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

P332+P313 - If skin irritation occurs: Get medical advice/attention.

P362+P364 - Take off contaminated clothing and wash it before reuse.

P405 - Store locked up.

P501 Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.

#### Other hazards

No additional information available

## 3.COMPOSITION/INFORMATION ON INGREDIENTS

### Description Of The Substance

Mixture

### Hazardous ingredients

NAME	EINECS NO	CAS NO	CONTENT %	CLASSIFICATION CLP
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer	-	25068-38-6	50≤ - <70	H315 H317 H319 STOT SE 3, H335

### Additional information

Full text of H- and EUH-phrases: see section 16.



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#### 4. FIRST AID MEASURES

##### **Description of first aid measures**

##### **First-aid measures general**

*Call a poison center or a doctor if you feel unwell*

##### **Following inhalation**

*Remove victim to fresh air and keep at rest in a position comfortable for breathing. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention. If necessary, call a poison center or physician. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.*

##### **Following skin contact**

*Wash with plenty of soap and water. Remove contaminated clothing and shoes. Wash contaminated clothing thoroughly with water before removing it, or wear gloves. Continue to rinse for at least 10 minutes. Get medical attention. In the event of any complaints or symptoms, avoid further exposure. Wash clothing before reuse. Clean shoes thoroughly before reuse.*

##### **Following eye contact**

*Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.*

##### **Following ingestion**

*Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do not induce vomiting unless directed to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Get medical attention if adverse health effects persist or are severe. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.*

##### **Indication of immediate medical attention and special treatment needed, if necessary**

**Notes to physician :** *Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.*

**Specific treatments :** *No specific treatment.*

**Protection of first aid personnel :** *No action shall be taken involving any personal risk or without suitable training. If it is suspected that fumes are still present, the rescuer should wear an appropriate mask or self-contained breathing apparatus. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Wash contaminated clothing thoroughly with water before removing it, or wear gloves.*

*Most important symptoms and effects, both acute and delayed See toxicological information (Section 11*



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## 5.FIRE- FIGHTING MEASURES

### **Extinguishing media**

#### **Suitable extinguishing media :**

Use an extinguishing agent suitable for the surrounding fire.

#### **Unsuitable extinguishing media**

None known.

**Specific hazards arising from the chemical :** In a fire or if heated, a pressure increase will occur and the container may burst.

**Hazardous thermal decomposition products :** Decomposition products may include the following materials: acids aldehydes carbon oxides other organic compounds halogenated compounds

**Special protective actions for firefighters :** Promptly isolate the scene by removing all persons from the vicinity of the incident if there is a fire. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters :** Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6.ACCIDENTAL RELEASE MEASURES

### **Personal precautions, protective equipment and emergency procedures**

#### **For non-emergency personnel**

No action shall be taken involving any personal risk or without suitable training. Evacuate surrounding areas. Keep unnecessary and unprotected personnel from entering. Do not touch or walk through spilled material. Avoid breathing vapor or mist. Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment.

#### **For emergency responders**

If specialised clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For non-emergency personnel".

#### **Environmental precautions**

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

### **Methods and material for containment and cleaning up**

**Small spill :** Stop leak if without risk. Move containers from spill area. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in an appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

**Large spill :** Stop leak if without risk. Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Wash



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spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with noncombustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth and place in container for disposal according to local regulations (see section 13 of SDS). Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product. Note: see section 1 of SDS for emergency contact information and section 13 of SDS for waste disposal.

## 7.HANDLING AND STORAGE

### **Precautions for safe handling :**

**Protective measures :** Put on appropriate personal protective equipment (see section 8 of SDS). Persons with a history of skin sensitization problems should not be employed in any process in which this product is used. Do not get in eyes or on skin or clothing. Do not ingest. Avoid breathing vapor or mist. Use only with adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Keep in the original container or an approved alternative made from a compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Advice on general occupational hygiene :** Eating, drinking and smoking should be prohibited in areas where this material is handled, stored and processed. Workers should wash hands and face before eating, drinking and smoking. Remove contaminated clothing and protective equipment before entering eating areas. See also Section 8 for additional information on hygiene measures.

**Conditions for safe storage, including any incompatibilities :** Store in accordance with local regulations. Store in original container protected from direct sunlight in a dry, cool and well-ventilated area, away from incompatible materials (see section 10 of SDS) and food and drink. Store locked up. Keep container tightly closed and sealed until ready for use. Containers that have been opened must be carefully resealed and kept upright to prevent leakage. Do not store in unlabeled containers. Use appropriate containment to avoid environmental contamination

## 8.EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Control parameters**

### **Occupational exposure limits**

None.

**Recommended monitoring procedures :** If this product contains ingredients with exposure limits, personal, workplace atmosphere or biological monitoring may be required to determine the effectiveness of the ventilation or other control measures and/or the necessity to use respiratory protective equipment. Reference should be made to appropriate monitoring standards. Reference to national guidance documents for methods for the determination of hazardous substances will also be required.

**Appropriate engineering controls :** Use only with adequate ventilation. If user operations generate dust, fumes, gas, vapor or mist, use process enclosures, local exhaust ventilation or other engineering controls to keep worker exposure to airborne contaminants below any recommended or statutory limits.

**Environmental exposure controls :** Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection



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legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

#### **Individual protection measures :**

**Hygiene measures :** Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Appropriate techniques should be used to remove potentially contaminated clothing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reusing. Ensure that eyewash stations and safety showers are close to the workstation location.

**Eye/face protection :** Safety eyewear complying with an approved standard should be used when a risk assessment indicates this is necessary to avoid exposure to liquid splashes, mists, gases or dusts. If contact is possible, the following protection should be worn, unless the assessment indicates a higher degree of protection: chemical splash goggles.

#### **Skin protection**

**Hand protection :** Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary. Considering the parameters specified by the glove manufacturer, check during use that the gloves are still retaining their protective properties. It should be noted that the time to breakthrough for any glove material may be different for different glove manufacturers. In the case of mixtures, consisting of several substances, the protection time of the gloves cannot be accurately estimated.

**Body protection :** Personal protective equipment for the body should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Other skin protection :** Appropriate footwear and any additional skin protection measures should be selected based on the task being performed and the risks involved and should be approved by a specialist before handling this product.

**Respiratory protection :** Based on the hazard and potential for exposure, select a respirator that meets the appropriate standard or certification. Respirators must be used according to a respiratory protection program to ensure proper fitting, training, and other important aspects of use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

#### **Information on basic physical and chemical properties**

Physical state	: Liquid
Colour	: Opaque
Odour	: No data available
Odour threshold	: No data available
pH	: 3-4
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: No data available
Flash point	: Setflash Closed Cup: > 93.4 °C (ASTM D 3828)
Auto-ignition temperature	: No data available



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Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	: 1.10 ± 0.02 g/cm <sup>3</sup>
Solubility	: Miscible with water.
Log Pow	: No data available
Viscosity	: 60-90 (Crebs Unit - 1)
Explosive properties	: Not explosive.
Oxidising properties	: No data available
Explosive limits	: No data available

#### Other information

No additional information available.

### 10. STABILITY AND REACTIVITY

**Reactivity** : Stable under normal conditions. Chemical

**stability** : The product is stable.

**Possibility of hazardous reactions** : Under normal conditions of storage and use, hazardous reactions will not occur.

**Conditions to avoid** : No specific data.

**Incompatible materials** : Reactive or incompatible with the following materials:

strong oxidizing agents,

strong acids,

strong alkalis,

aliphatic amines,

**Hazardous decomposition products** : Under normal conditions of storage and use, hazardous decomposition products should not be produced.

**Other hazards**: Reacts with considerable heat release with some curing agents.

### 11. TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

##### Acute toxicity

Product/ingredient name	Result	Species	Dose	Exposure
4,4'-Isopropylidenediphenol-Epichlorohydrin Copolymer				
-	LD50 Oral	Rat	11,400 mg/kg	-
-			2,000 mg/kg	-

**Conclusion/Summary** : Not available

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#### Irritation/Corrosion

Product/ingredient name	Result	Species	Score	Exposure	Observation
4,4'-Isopropylidenediphenol/Epichlorohydrin Copolymer	Skin - Erythema/E-schar 404 Acute Dermal Irritation/Corrosion	Rabbit	1.5 - 2		-
	Skin - Edema 404 Acute Dermal Irritation/Corrosion	Rabbit	1.0 - 1.5		-
	eyes - - 405 Acute Eye Irritation/Corrosion	Rabbit	0		-
	eyes - Redness of the conjunctiva e	Rabbit	0.7		-
	Skin - Moderate irritant	Rabbit		24 hrs	-
	Skin - Severe irritant	Rabbit		24 hrs	-
	eyes - Mild irritant	Rabbit			-

#### **Conclusion/Summary**

**Skin** : Not available

**eyes** : Not available

**Respiratory** : Not available

#### **Sensitization**

**Conclusion/Summary Skin** : Not available

**Respiratory** : Not available

#### **Mutagenicity**

**Conclusion/Summary** : Not available

**Carcinogenicity Conclusion/Summary** : Not available

#### **Reproductive toxicity**

**Conclusion/Summary** : Not available

#### **Teratogenicity**

**Conclusion/Summary** : Not available





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#### **Specific target organ toxicity (single exposure)**

<b>Product/ingredient name</b>	<b>Category</b>	<b>Route of exposure</b>	<b>Target organs</b>
4,4'-Isopropylidenediphenol- Epichlorohydrin Copolymer	Category 3		Respiratory tract irritation

#### **Specific target organ toxicity (repeated exposure)**

Not available

#### **Aspiration hazard**

Not available

#### **Information on likely routes of exposure :**

Not available

#### **Potential acute health effects**

**Eye contact :** Causes serious eye irritation.

**Inhalation :** May cause respiratory irritation.

**Skin contact :** Causes skin irritation. May cause an allergic skin reaction.

**Ingestion :** No known significant effects or critical hazards.

#### **Symptoms related to the physical, chemical and toxicological characteristics**

**Eye contact :** Adverse symptoms may include the following: pain or irritation watering redness

**Inhalation :** Adverse symptoms may include the following: respiratory tract irritation coughing

**Skin contact :** Adverse symptoms may include the following: irritation redness

**Ingestion :** No specific data.

#### **Delayed and immediate effects as well as chronic effects from short and long-term exposure**

#### **Short term exposure**

**Potential immediate effects :** Not available

**Potential delayed effects :** Not available

#### **Long term exposure**

**Potential immediate effects :** Not available

**Potential delayed effects :** Not available

#### **Potential chronic health effects**

**Conclusion/Summary :** Not available

**General :** Once sensitized, a severe allergic reaction may occur when subsequently exposed to very low levels.

**Carcinogenicity :** No known significant effects or critical hazards.

**Mutagenicity :** No known significant effects or critical hazards.

**Teratogenicity :** No known significant effects or critical hazards.

**Developmental effects :** No known significant effects or critical hazards.

**Fertility effects :** No known significant effects or critical hazards.

#### **Numerical measures of toxicity**

#### **Acute toxicity estimates**

Not available



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## 12. ECOLOGICAL INFORMATION

### Toxicity

Product/ingredient name	Result	Species	Exposure
reaction product: bisphenol-A-(epichlorhydrin); epoxy resin (number average molecular weight $\leq 700$ )			
	Acute LC50 1.3 mg/l - 203 Fish, Acute Toxicity Test	Fish - Fish	96 h
	Acute EC50 2.1 mg/l - 202 Daphnia sp. Acute Immobilization Test and Reproduction Test	Aquatic invertebrates. Water flea	48 h
	Acute LC50 > 11 mg/l -	Aquatic plants - Algae	72 h
	Chronic No-observable- effectconcentration 0.3 mg/l semi-static test 211 Daphnia Magna Reproduction Test	Aquatic invertebrates. Water flea	21 d

**Conclusion/Summary** : Not available

### Persistence/degradability

**Conclusion/Summary** : Not available

### Bioaccumulative potential

Product/ingredient name	LogPow	BCF	Potential
4,4'-Isopropylidenediphenol- Epichlorohydrin Copolymer	2.64 - 3.78	3 - 31 31.00	low
EPI-REZ™ Resin 3510-W-60	3	-	high

### Mobility in soil

**Soil/water partition coefficient (KOC)** : Not available

**Other adverse effects** : No known significant effects or critical hazards.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal methods :**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Dispose of surplus and non-recyclable products via a licensed waste disposal contractor. Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction. Waste packaging should be recycled. Incineration or landfill should only be considered when recycling is not feasible. This material and its container must be disposed of in a safe way. Care should be taken when handling emptied containers that have not been cleaned or rinsed out. Empty containers or liners may retain some product residues. Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers.

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## 14. TRANSPORT INFORMATION

### International transport regulations

Regulatory information	UN/NA number	Proper shipping name	Classes/*P G	Reportable Quantity (RQ)
CFR		Non-regulated		
TDG		Non-regulated		
IMO/IMDG		ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN)	Class 9 III	
IATA (Cargo)		HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (LIQUID EPOXY RESIN)	Class 9 III	

\*PG : Packing group

**Environmentally hazardous and/or Marine Pollutant : Yes.**



**Special precautions for user :** Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

## 15. REGULATORY INFORMATION

### **Safety, health and environmental regulations/legislation specific for the substance** **EU-regulations**

Contains no REACH substances with Annex XVII restrictions

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

### **National regulations**

No additional information available.

### **Chemical safety assessment**

No chemical safety assessment has been carried out.

## 16. OTHER INFORMATION

### **Other information**

For additional information regarding **DEKA BOYA SANAYİ VE TİCARET A.Ş** products and services please contact the **DEKA BOYA SANAYİ VE TİCARET A.Ş** +90(216) 575 56 56 (Pbx)

The above information complies with the 1907/2006 Directives and their amendments. In all cases of potential poisoning supportive therapy is of the utmost importance.

### **Related Person**

Kenan HAYAL – [kenan.hayal@dekaboya.com.tr](mailto:kenan.hayal@dekaboya.com.tr)

DEKA BOYA SANAYİ VE TİCARET A.Ş

Prepared by : Uğur BİLGİLİ



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Competent Person Accreditation no: TSE GBF-A-0-3128

## **Revision Date, Version and SDS no**

Date : November 06, 2020

Version : 3.0/EN

SDS No : 330086

## **Reason of re-issue**

Compiling according to Regulation (EC) No 1272/2008[CLP /GHS]

## **Relevant H- and EUH-phrases (number and full text):**

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H319 Causes serious eye irritation.

H335 May cause respiratory irritation

## **16.6 Legal disclaimer**

The purpose of the above information is to describe the products only in terms of health and safety requirements.

The information given should not, therefore, be construed as guaranteeing specific properties or as specification.

Customers should satisfy themselves as to the suitability and completeness of such information for their own particular use.

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.

The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. Due to the many factors outside our control when using this product, we cannot accept liability for any injury, accident, loss or damage caused through its use.

1 CLP : Classification Labeling and Packaging

2 GHS : Global Harmonised System

3 TLV :Threshold Limit Value

4 TWA: A Time-Weighted Average

5 STEL: A Short Term Exposure Limit

6 mg/m<sup>3</sup>: the amount of the Material in milliliters in 1 m<sup>3</sup> air At 20 oC & 101, 3 KPa.

7 Ppm: parts per million, the amount of the Material in milliliters in 1 m<sup>3</sup> air. (ml/m<sup>3</sup>)

8 ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

9 RID : Regulations Concerning the International Transport of Dangerous Goods by Rail

10 IMDG: International Maritime Code for Dangerous

11 Goods ICAO: International Civil Aviation Organization

12 IATA: International Air Transport Association