

# Safety Data Sheet

according to 29 CFR 1910.1200(g)

## FORMULA 2000 PLUS Component 2

Print date: 18.12.2014

Product code: 1295-3

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### 1. Identification

#### Product identifier

FORMULA 2000 PLUS Component 2

#### Use of the substance/mixture

Cleaner

#### Details of the supplier of the safety data sheet

Company name: Air Techniques, Inc.  
Street: 1295 Walt Whitman Road,  
Place: USA Melville, NY 11747  
Telephone: 516-433-7676  
Responsible Department: Responsible for the safety data sheet: sds@gbk-ingelheim.de

**Emergency phone number:** for US and Canada: 1-800 424-9300 (CHEMTREC)

### 2. Hazard(s) identification

#### Classification of the chemical

Hazard categories:

Acute toxicity: Acute Tox. 4

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory/skin sensitization: Resp. Sens. 1

Respiratory/skin sensitization: Skin Sens. 1

Carcinogenicity: Carc. 2

Specific target organ toxicity - single exposure: STOT SE 3

Specific target organ toxicity - repeated exposure: STOT RE 2

Hazard Statements:

Harmful if swallowed

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Causes serious eye irritation

May cause an allergic skin reaction

#### Label elements

Signal word:

Danger

Pictograms:

exclamation mark; health hazard



#### Hazard statements

Harmful if swallowed

May cause allergy or asthma symptoms or breathing difficulties if inhaled

Causes serious eye irritation

May cause an allergic skin reaction

#### Precautionary statements

Keep away from heat/sparks/open flames/hot surfaces. - No smoking.

Wear respiratory protection.

Do not eat, drink or smoke when using this product.

Wash hands thoroughly after handling.

Contaminated work clothing must not be allowed out of the workplace.

Keep/Store away from combustible materials.

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Do not breathe dust/fume/gas/mist/vapors/spray.

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

If eye irritation persists: Get medical advice/attention.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.

Continue rinsing.

If inhaled: Remove person to fresh air and keep comfortable for breathing.

If experiencing respiratory symptoms: Call a poison center/doctor.

### Hazards not otherwise classified

No data available.

## 3. Composition/information on ingredients

### Mixtures

#### Chemical characterization

Mixture

#### Hazardous components

CAS No	Components	Quantity
7775-27-1	Disodium peroxodisulphate	55 %
7757-82-6	Sodium sulfate	55 %

## 4. First-aid measures

### Description of first aid measures

#### General information

Remove contaminated soaked clothing immediately.

In the event of persistent symptoms receive medical treatment.

#### After inhalation

Move to fresh air in case of accidental inhalation of vapours.

Refer for medical treatment.

#### After contact with skin

Take away immediately by mechanical means.

Wash off immediately with soap and plenty of water.

Consult a doctor if skin irritation persists.

#### After contact with eyes

Rinse thoroughly with plenty of water, also under the eyelids.

Summon a doctor immediately.

#### After ingestion

Summon a doctor immediately.

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

DANGER!

May cause an allergic skin reaction.

Irritating to eyes, respiratory system and skin.

OSHA Hazard Communication: This material is considered hazardous by the OSHA Hazard Communication Standard 29CFR 1910.1200.

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

Treat symptoms.

## 5. Fire-fighting measures

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### Extinguishing media

#### **Suitable extinguishing media**

Foam, carbon dioxide (CO<sub>2</sub>), dry chemical, water-spray.

#### **Unsuitable extinguishing media**

Full water jet.

### Specific hazards arising from the chemical

Fire may produce:  
Carbon monoxide, carbon dioxide, sulphur oxides.

### Special protective equipment and precautions for fire-fighters

Use breathing apparatus with independent air supply.

## 6. Accidental release measures

### Personal precautions, protective equipment and emergency procedures

Avoid contact with skin, eyes and clothing.  
Ensure adequate ventilation.  
Remove persons to safety.  
Use personal protective clothing.

### Environmental precautions

Clean contaminated surface thoroughly.  
Do not discharge into the drains/surface waters/groundwater.

### Methods and material for containment and cleaning up

Sweep up and shovel.

### Reference to other sections

Shovel into suitable container for disposal.

## 7. Handling and storage

### Precautions for safe handling

#### **Advice on safe handling**

Avoid contact with skin, eyes and clothing.  
Keep container tightly closed.  
When using do not eat, drink or smoke.  
Use only in thoroughly ventilated areas.  
"ZH 1/34 ""Data Sheet: Polyurethane manufacture / Isocyanate (M 044)""", "UVV ""Processing of Adhesives"" (VBG 81)"

### Conditions for safe storage, including any incompatibilities

#### **Requirements for storage rooms and vessels**

Keep container tightly closed.  
Use only in well-ventilated areas.

#### **Advice on storage compatibility**

Keep away from alkali  
Keep away from metals  
Keep away from combustible material

#### **Further information on storage conditions**

Keep away from food, drink and animal feeding stuffs.

## 8. Exposure controls/personal protection

### Control parameters

### Exposure controls

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**Appropriate engineering controls**

Ensure adequate ventilation, especially in confined areas.

**Protective and hygiene measures**

Wash hands before breaks and immediately after handling the product.

When using do not eat, drink or smoke.

Avoid contact with skin, eyes and clothing.

**Eye/face protection**

Eye wash bottle with pure water.

Tightly fitting goggles.

**Hand protection**

Protective glove (rubber or nitrile)

This recommendation refers exclusively to the chemical compatibility and the lab test conforming to EN 374 carried out under lab conditions.

Requirements can vary as a function of the use. Therefore it is necessary to adhere additionally to the recommendations given by the manufacturer of protective gloves.

**Skin protection**

Light protective clothing

Long sleeved clothing.

**Respiratory protection**

Use suitable breathing apparatus if there is inadequate ventilation.

Short term: filter apparatus, combination filter B-P3

**9. Physical and chemical properties****Information on basic physical and chemical properties**

Physical state:	Powder
Color:	White
Odor:	Odourless

**Test method****Changes in the physical state**

Bulk density:	1100 kg/m <sup>3</sup>
Water solubility:	Completely soluble

**Other information**

No data available.

**10. Stability and reactivity****Reactivity**

Do not store with combustible materials.

**Chemical stability**

Stability:	Stable
Chemically stable.	

**Possibility of hazardous reactions**

Hazardous reactions:	Will not occur
No data available.	

**Conditions to avoid**

To avoid thermal decomposition, do not overheat.

To avoid thermal decomposition, do not overheat. (&gt; 250 °C)

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**Incompatible materials**

Reacts with: Metals, Reducing agents

**Hazardous decomposition products**

Carbon monoxide, carbon dioxide and sulphur oxides.

**Further information**

No decomposition if stored and applied as directed.

**11. Toxicological information****Information on toxicological effects****Route(s) of Entry**

Skin and eye contact, inhalation and ingestion.

**Acute toxicity**

Harmful if swallowed

**ATEmix calculated**

ATE (inhalative aerosol) 1,208 mg/l

**Acute toxicity**

CAS No	Components				Source
	Exposure routes	Method	Dose	Species	
7775-27-1	Disodium peroxodisulphate				
	oral	ATE	500 mg/kg		

**Irritation and corrosivity**Causes serious eye irritation  
Irritating to eyes, respiratory system and skin.**Sensitizing effects**May cause allergy or asthma symptoms or breathing difficulties if inhaled (Disodium peroxodisulphate)  
May cause an allergic skin reaction (Disodium peroxodisulphate)  
May cause sensitization by inhalation and skin contact.**Specific target organ toxicity (STOT) - single exposure**

Based on available data, the classification criteria are not met.

**Severe effects after repeated or prolonged exposure**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

Carcinogenicity (NTP): Not listed

Carcinogenicity (IARC): Not listed

Carcinogenicity (OSHA): Not listed

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Further information**

Classification in compliance with the assessment procedure specified in the EC guidelines 1999/45/EC.

**12. Ecological information****Ecotoxicity**

No data available.

**Persistence and degradability**

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No data available.

**Bioaccumulative potential**

No data available.

**Mobility in soil**

No data available.

**Other adverse effects**

No data available.

**Further information**

Do not flush into surface water or sanitary sewer system.  
Hazardous water pollutant.

**13. Disposal considerations****Waste treatment methods****Advice on disposal**

Can be incinerated, when in compliance with local regulations.  
Where possible recycling is preferred to disposal.

**Contaminated packaging**

Empty containers should be taken for local recycling, recovery or waste disposal.

**14. Transport information****US DOT 49 CFR 172.101**

**Proper shipping name:** Not regulated.

**Other applicable information**

Non hazardous material as defined by the transport regulations.

**15. Regulatory information****U.S. Regulations****National Inventory TSCA**

All of the components are listed on the TSCA inventory.

**SARA**

To the best of our knowledge this product contains no toxic chemicals subject to the supplier notification requirements of Section 313 of the Superfund Amendments and Reauthorization Act (SARA/EPCRA) and the requirements of 40 CFR Part 372.

**16. Other information****Hazardous Materials Information Label (HMIS)**

Health: \*2  
Flammability: 1  
Physical Hazard: 0

**NFPA Hazard Ratings**

Health: 2  
Flammability: 1  
Reactivity: 0  
Unique Hazard:

**Changes**

Revision date: 18.12.2014  
Revision No: 1,0



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Changes in chapter: 2, 3

#### Other data

The information in this document is based on the present state of knowledge and is applicable to the product with regard to appropriate safety precautions.  
(n.a. = not applicable; n.d. = not determined)

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*