SAFETY DATA SHEET



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AROCY® XU 371 US

Section 1. Identification: the actions and property of the control of the section of the section

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GHS product identifier

AROCY® XU 371 US

Product code

00048486

Chemical name

formaldehyde, polymer with phenol, cyanate

Other means of identification:

Not available.

Product type

Material uses the lad hom to:

Specialty for aerospace applications

Supplier's details

Huntsman Advanced Materials Americas LLC

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P.O. Box 4980

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The Woodlands, TX 77387

Non-Emergency phone: (800) 257-5547

e-mail address of person : MSDS@huntsman.com responsible for this SDS

Emergency telephone number (24h/7day)

Chemtrec: (800) 424-9300 or (703) 527-3887

Section 2. Hazards identification

OSHA/HCS status

: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Doors allowed transported limits, if available to linke in Section

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Classification of the substance or mixture **GHS label elements**

: Not classified.

Signal word

: No signal word.

Hazard statements

: No known significant effects or critical hazards

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Precautionary statements

: Avoid ingestion, inhalation, skin and eye contact. Handle in accordance with good industrial hygiene practice and any legal requirements.

Other hazards which do not result in classification

: Fine dust clouds may form explosive mixtures with air. Handling and/or processing of this material may generate a dust which can cause mechanical irritation of the eyes, skin, nose and throat.

Section 3. Composition/information on ingredients

Substance/mixture

: Substance

There are no ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

Occupational exposure limits, if available, are listed in Section 8.

Section 4. First aid measures

Description of necessary first aid measures

Eye contact

: Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Get medical attention if irritation

occurs.

Inhalation

: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur.

Skin contact

: Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion

: Wash out mouth with water. 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. Do not induce vomiting unless directed to do so by medical personnel. Get medical attention if symptoms occur.

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Most important symptoms/effects, acute and delayed

Potential acute health effects

Eye contact

: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

Inhalation

: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the nose, throat and lungs.

Skin contact Ingestion

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

Over-exposure signs/symptoms

Eye contact

: Adverse symptoms may include the following:

irritation redness

Inhalation

: Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact

: No specific data. No specific data.

Ingestion

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

Notes to physician

: No specific treatment. Treat symptomatically. Call medical doctor or poison control

center immediately if large quantities have been ingested.

Protection of first-aiders

: No action shall be taken involving any personal risk or without suitable training.

See toxicological information (Section 11)

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Section 5. Fire-fighting measures

Flash point

: Closed cup: >100°C (>212°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]

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Extinguishing media

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Suitable extinguishing : Use an extinguishing agent suitable for the surrounding fire.

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Unsuitable extinguishing media

: None known.

Specific hazards arising from the chemical

Hazardous thermal decomposition products : No specific fire or explosion hazard.

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No specific data.

for fire-fighters

Special protective actions : 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.

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

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For non-emergency .: 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 dust. 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". method and and arts, calera

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).

August Control Control

Methods and materials for containment and cleaning up titles acreating steller into make

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: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Avoid creating dusty conditions and prevent wind dispersal. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 blaces beginning become many for waste disposal. JUST BUSHING receivable distribution de la constant de la consta

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Section 7. Handling and storage

Precautions for safe handling

Protective measures

: Put on appropriate personal protective equipment (see Section 8). Avoid breathing dust.

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 between the following temperatures: 2 to 8°C (35.6 to 46.4°F). 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) and food and drink. 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.

Section 8. Exposure controls/personal protection

Control parameters

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 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. 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: safety glasses with side-shields. If operating conditions cause high dust concentrations to be produced, use dust goggles.

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. > 8 hours (breakthrough time): Ethyl Vinyl Alcohol Laminate (EVAL), butyl rubber

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.

Section 8. Exposure controls/personal protection

Respiratory protection

: Use a properly fitted, particulate filter respirator complying with an approved standard if a risk assessment indicates this is necessary. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

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Thermal hazards

: Not available.

Section 9. Physical and chemical properties

Appearance

Physical state Solid Color Amber.

Odor Odorless. Odor threshold : Not available.

Hq Not available.

Melting point/Freezing point Not available. Boiling/condensation point Not available.

Flash point Closed cup: >100°C (>212°F) [DIN 51758 EN 22719 (Pensky-Martens Closed Cup)]

Evaporation rate : Not available. Flammability (solid, gas) : Not available. Not available.

Lower and upper explosive

(flammable) limits

<0.00001 kPa (<0.000075 mm Hg) [room temperature]

Vapor pressure Vapor density Not available.

Relative density 1.25

Solubility in water practically insoluble Partition coefficient: n-Not available.

octanol/water

Not available.

Auto-ignition temperature Decomposition temperature >200°C (>392°F)

Density 1.01 g/cm³ [25°C (77°F)]

Viscosity : Not available. VOC : 0 % (w/w)

Section 10. Stability and reactivity

: No specific test data related to reactivity available for this product or its ingredients. Reactivity

Chemical stability : The product is stable.

Possibility of hazardous : Under normal conditions of storage and use, hazardous reactions will not occur. worker and to evolution the state of their reactions

: No specific data. Conditions to avoid

Incompatible materials : No specific data.

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Section 10. Stability and reactivity

Hazardous decomposition products

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

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Section 11. Toxicological information

Information on toxicological effects

Acute toxicity

Product/ingredient name	Test	Endpoint	Species	Result ************************************
formaldehyde, polymer with phenol, cyanate	34-1	LD50 Oral	Rat	>5000 mg/kg

Closed obs. > (00°C to 12'FHOW SAPE

Irritation/Corrosion

Not available.

Sensitization

Not available.

Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive toxicity

Not available.

Teratogenicity

Not available.

Specific target organ toxicity (single exposure)

Not available.

Specific target organ toxicity (repeated exposure)

Not available.

Aspiration hazard

Not available

Information on the likely : Not available.

routes of exposure

Potential acute health effects

Eye contact

: Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

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Inhalation

: Exposure to airborne concentrations above statutory or recommended exposure limits

Skin contact

may cause irritation of the nose, throat and lungs. : No known significant effects or critical hazards.

Ingestion

No known significant effects or critical hazards.

Symptoms related to the physical, chemical and toxicological characteristics

Section 11. Toxicological information

Eye contact

: Adverse symptoms may include the following:

irritation

redness

Inhalation

Adverse symptoms may include the following:

respiratory tract irritation

coughing

Skin contact

No specific data.

Ingestion

No specific data.

Delayed and immediate effects and also chronic effects from short and long term exposure

Short term exposure

Potential

Not available.

immediate effects Potential delayed

Not available.

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effects

Long term exposure

distribution of the business Bittere: 1 Not available, no by beneblanco ad who blanch

immediate effects

Potential delayed : Not available.

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effects

Potential chronic health effects

General

Repeated or prolonged inhalation of dust may lead to chronic respiratory irritation.

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Carcinogenicity

No known significant effects or critical hazards.

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Mutagenicity

No known significant effects or critical hazards.

No known significant effects or critical hazards.

Teratogenicity

No known significant effects or critical hazards.

Developmental

Fertility effects

effects

No known significant effects or critical hazards.

Numerical measures of toxicity

Acute toxicity estimates

Not available.

Other information

: Not available.

Section 12. Ecological information

Toxicity

Not available.

Persistence and degradability

Not available.

Bioaccumulative potential

Not available.

Mobility in soil

Not available.

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Section 12. Ecological information

Other adverse effects

: No known significant effects or critical hazards.

Other ecological Information

BOD5

: Not determined.

COD

: Not determined.

TOC

: Not determined.

Section 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. 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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Disposal should be in accordance with applicable regional, national and local laws and regulations.

Section 14. Transport information

Proper shipping name

DOT

: Not regulated.

TDG

: Not regulated.

IMDG

: Not regulated.

IATA

: Not regulated.

Regulatory information	UN number	Classes	PG*	Label	Additional information
DOT Classification	Not regulated.	- 1		Providence la	Significant in
TDG Classification	Not regulated.	- 4			
IMDG Classification	Not regulated.		6 -		- The part of
IATA Classification	Not regulated.	-	<u>.</u>	197	Cardon page

PG*: Packing group

Section 15. Regulatory information

Safety, health and environmental regulations specific for the product

United States Regulations

TSCA 8(b) inventory

: This material is listed or exempted.

TSCA 5(a)2 final

significant new use rule (SNUR)

: No ingredients listed.

TSCA 5(e) substance

consent order

: No ingredients listed.

TSCA 12(b) export notification

: No ingredients listed.

SARA 311/312

: Not classified

Clean Air Act - Ozone **Depleting Substances** (ODS)

: This product does not contain nor is it manufactured with ozone depleting substances.

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(MPCA). Hit 30 metablish out be percented excitement in 1811 report outs!

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SARA 313

: No ingredients listed.

CERCLA Hazardous No ingredients listed. substances and acceptable of the same table of the acceptage from the contract the same table of the s

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Cosmigni (1990), Nabional) Fig. . didetion Ascociator, Chinay AA 02060. This watring is time and influenced as a interpretation and this property trained introducts to also high the head and State regulations (A. C. C.) to act mon ballon slarge of betteler of regular of adjuste to be sources effectives

PENNSYLVANIA - RTK : No ingredients listed.

recommonded classical the A Per 4 and Million 225, which would no used as a nucl

California Prop 65

: This product contains no listed substances known to the State of California to cause cancer, birth defects or other reproductive harm, at levels which would require a warning under the statute.

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resource of a publishe on view to the one of the bearing on the standard of the security of

Canadian regulations

CEPA DSL

: This material is not listed.

WHMIS Classes

: Not controlled under WHMIS (Canada).

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations. which is in neglected to complete of the territor Copyrights or an artifale thereof in one or many as university

Brazil Regulations

Classification system

: Norma ABNT-NBR 14725-2:2012

International lists

CONTRACTOR OF THE CAME OF THE CONTRACTOR OF THE STREET OF THE CONTRACTOR AS A SHARPER OF THE : Australia inventory (AICS): This material is not listed. China inventory (IECSC): This material is not listed. Japan Inventory: This material is listed or exempted. VOLUME WILLIAM (Korea Inventory: This material is listed or exempted. INTO EN BOHT Malaysia Inventory (EHS Register): Not determined.

New Zealand Inventory of Chemicals (NZIoC): This material is not listed.

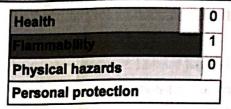
about the track of a second collection of the state of a policy companies and the second collection of the second collect

Philippines inventory (PICCS): This material is not listed.

Talwan inventory (CSNN): Not determined. NAME AND ADDRESS TARTED AS THE COURSE THE COURSE THE STATE OF THE COURSE THE COURSE AND ADDRESS AND AD

Section 16. Other information

Hazardous Material Information System (U.S.A.)



The customer is responsible for determining the PPE code for this material.

Caution: HMIS® ratings are based on a 0-4 rating scale, with 0 representing minimal hazards or risks, and 4 representing significant hazards or risks Although HMIS® ratings are not required on SDSs under 29 CFR 1910.1200, the preparer may choose to provide them. HMIS® ratings are to be used with a fully implemented HMIS® program. HMIS® is a registered mark of the National Paint & Coatings Association (NPCA). HMIS® materials may be purchased exclusively from J. J. Keller (800) 327-6868.

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National Fire Protection Association (U.S.A.)



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Copyright ©2001, National Fire Protection Association, Quincy, MA 02269. This warning system is intended to be interpreted and applied only by properly trained individuals to identify fire, health and reactivity hazards of chemicals. The user is referred to certain limited number of chemicals with recommended classifications in NFPA 49 and NFPA 325, which would be used as a guideline only. Whether the chemicals are classified by NFPA or not, anyone using the 704 systems to classify chemicals does so at their own risk.

Further information

Date of printing : 3/30/2015.

Date of issue : 3/30/2015.

Date of previous issue : No previous validation.

Version : 1

Indicates information that has changed from previously issued version.

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IN ALL CASES, IT IS THE RESPONSIBILITY OF THE USER TO DETERMINE THE APPLICABILITY OF SUCH INFORMATION AND RECOMMENDATIONS AND THE SUITABILITY OF ANY PRODUCT FOR ITS OWN PARTICULAR PURPOSE.

THE PRODUCT MAY PRESENT HAZARDS AND SHOULD BE USED WITH CAUTION. WHILE CERTAIN HAZARDS ARE DESCRIBED IN THIS PUBLICATION, NO GUARANTEE IS MADE THAT THESE ARE THE ONLY HAZARDS THAT EXIST.

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Section 16. Other information

Hazards, toxicity and behaviour of the products may differ when used with other materials and are dependent upon the manufacturing circumstances or other processes. Such hazards, toxicity and behaviour should be determined by the user and made known to handlers, processors and end users.

NO PERSON OR ORGANIZATION EXCEPT A DULY AUTHORIZED HUNTSMAN EMPLOYEE IS AUTHORIZED TO PROVIDE OR MAKE AVAILABLE DATA SHEETS FOR HUNTSMAN PRODUCTS. DATA SHEETS FROM UNAUTHORIZED SOURCES MAY CONTAIN INFORMATION THAT IS NO LONGER CURRENT OR ACCURATE. NO PART OF THIS DATA SHEET MAY BE REPRODUCED OR TRANSMITTED IN ANY FORM, OR BY ANY MEANS, WITHOUT PERMISSION IN WRITING FROM HUNTSMAN. ALL REQUESTS FOR PERMISSION TO REPRODUCE MATERIAL FROM THIS DATA SHEET SHOULD BE DIRECTED TO HUNTSMAN, MANAGER, PRODUCT SAFETY AT THE ABOVE ADDRESS.