



# SAFETY DATA SHEET

Issue Date No data available

Revision Date 28-Apr-2015

REVISION NUMBER: 5

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

### Product identifier

Product Name SYNTHITE AC-43

### Other means of identification

Product Code AC-43

Synonyms None

### Recommended use of the chemical and restrictions on use

Recommended Use No information available.

Uses advised against No information available

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

#### MANUFACTURED BY:

JOHN C. DOLPH, a Von Roll Company

320 New Road, MONMOUTH JUNCTION, NJ 08852

BUSINESS: (732) 329-2333

EMERGENCY: (518) 395-3310

### Emergency telephone number

## 2. HAZARDS IDENTIFICATION

### Classification

#### OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Skin corrosion/irritation	Category 2
Germ cell mutagenicity	Category 1B
Carcinogenicity	Category 1B
Specific target organ toxicity (repeated exposure)	Category 2
Aspiration toxicity	Category 1
Flammable liquids	Category 3

### Label elements

#### Emergency Overview

#### Danger

#### Hazard statements

Harmful if inhaled

Causes skin irritation

May cause genetic defects

May cause cancer

May cause damage to organs through prolonged or repeated exposure

May be fatal if swallowed and enters airways

Flammable liquid and vapor



**Appearance** No information available
**PHYSICAL STATE** Liquid
**ODOR** No information available

**Precautionary Statements - Prevention**

Obtain special instructions before use  
 Do not handle until all safety precautions have been read and understood  
 Use personal protective equipment as required  
 Wash face, hands and any exposed skin thoroughly after handling  
 Do not breathe dust/fume/gas/mist/vapors/spray  
 Keep away from heat/sparks/open flames/hot surfaces. — No smoking  
 Keep container tightly closed  
 Ground/bond container and receiving equipment  
 Use explosion-proof electrical/ventilating/lighting/ .? /equipment  
 Use only non-sparking tools  
 Take precautionary measures against static discharge

**Precautionary Statements - Response**

IF exposed or concerned: Get medical advice/attention  
 Specific treatment (see .? on this label)  
 If skin irritation occurs: Get medical advice/attention  
 Take off contaminated clothing and wash before reuse  
 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower  
 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician  
 Do NOT induce vomiting  
 In case of fire: Use CO2, dry chemical, or foam for extinction

**Precautionary Statements - Storage**

Store locked up  
 Store in a well-ventilated place. Keep cool

**Precautionary Statements - Disposal**

Dispose of contents/container to an approved waste disposal plant

**Hazards not otherwise classified (HNOC)**

**Other Information**

- May be harmful in contact with skin
- Toxic to aquatic life with long lasting effects
- Toxic to aquatic life

Toxicity: Not determined

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CAS No.	APPROX. WEIGHT PERCENT	TRADE SECRET
Solvent, Naphtha, Light Aliphatic 64742-89-8	64742-89-8	30 - 60	
Xylene (Mixed Isomers) 1330-20-7	1330-20-7	10 - 30	
Unknown Phenolic Resin UNK00275	UNK00275	10 - 30	

Ethyl Benzene 100-41-4	100-41-4	1 - 5	
Stoddard Solvent 8052-41-3	8052-41-3	0.1 - 1	

#### 4. FIRST AID MEASURES

##### First aid measures

<b>EYE CONTACT</b>	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
<b>SKIN CONTACT</b>	Wash skin with soap and water.
<b>Inhalation</b>	Remove to fresh air.
<b>INGESTION</b>	Clean mouth with water and drink afterwards plenty of water.

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

**Symptoms** No information available.

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

**Note to physicians** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

##### Suitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Unsuitable extinguishing media** Caution: Use of water spray when fighting fire may be inefficient.

##### Special Hazards:

None Known.

##### Explosion data

**Sensitivity to Mechanical Impact** None.

**Sensitivity to Static Discharge** None.

##### Protective equipment and precautions for firefighters

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

#### 6. ACCIDENTAL RELEASE MEASURES

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

**Personal precautions** Ensure adequate ventilation, especially in confined areas.

##### Environmental precautions

**Environmental precautions** See Section 12 for additional ecological information.

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

**Methods for containment** Prevent further leakage or spillage if safe to do so.

**Methods for cleaning up** Pick up and transfer to properly labeled containers.

#### 7. HANDLING AND STORAGE

**Precautions for safe handling**

**Advice on safe handling** Handle in accordance with good industrial hygiene and safety practice.

**Conditions for safe storage, including any incompatibilities**

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

**Incompatible materials** None known based on information supplied.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Control parameters****Exposure Guidelines**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	ACGIH TLV	OSHA PEL-TWA	NIOSH IDLH
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-
Xylene (Mixed Isomers) 1330-20-7	STEL: 150 ppm TWA: 100 ppm	100	-
Unknown Phenolic Resin UNK00275	-	PARTICULATES: 15	-
Ethyl Benzene 100-41-4	TWA: 20 ppm	100	IDLH: 800 ppm TWA: 100 ppm TWA: 435 mg/m <sup>3</sup> STEL: 125 ppm STEL: 545 mg/m <sup>3</sup>
Stoddard Solvent 8052-41-3	TWA: 100 ppm	500	IDLH: 20000 mg/m <sup>3</sup> Ceiling: 1800 mg/m <sup>3</sup> 15 min TWA: 350 mg/m <sup>3</sup>

**Appropriate engineering controls**

**ENGINEERING CONTROLS:** Exhaust ventilation.  
Showers.  
Eyewash stations.  
Use in a well ventilated area.

**Individual protection measures, such as personal protective equipment**

Von Roll recommends evaluation and selection of appropriate engineering controls (such as ventilation and eyewash/safety shower) as well as appropriate personal protective equipment (such as respiratory protection, protective gloves, eye protection) for safely handling this material. The following guidelines should be considered in this process.

**EYE PROTECTION:** Splash Goggles. Face shield.

**GLOVES:** Polyvinyl alcohol gloves.

**VENTILATION:** Use only in well ventilated area. Localized mechanical ventilation.

**RESPIRATORY PROTECTION:** Use in a well ventilated area. Use approved NIOSH respiratory protection if TLV exceeded, or over exposure is likely.

**OTHER PERSONAL PROTECTION DATA:** Wear clean, body-covering clothing.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Information on basic physical and chemical properties**

<b>PHYSICAL STATE</b>	Liquid	<b>ODOR:</b>	AROMATIC
<b>Appearance</b>	No information available	<b>ODOR THRESHOLD</b>	UNKNOWN
<b>DESCRIPTION:</b>	CLEAR STRAW	<b>(PPM):</b>	
<b><u>PROPERTIES</u></b>	<b><u>Values</u></b>	<b><u>Remarks • Method</u></b>	
<b>pH</b>	No information available		
<b>Melting point/freezing point</b>	No information available		
<b>Boiling point / boiling range</b>	No information available		
<b>Flash point</b>	12 °C / 54 °F		
<b>EVAPORATION RATE</b>	No information available		
<b>Flammability (solid, gas)</b>	No information available		
<b>Flammability Limit in Air</b>			
<b>Upper flammability limit:</b>	7.0		
<b>Lower flammability limit:</b>	1.0		
<b>VAPOR PRESSURE</b>	No information available		
<b>VAPOR DENSITY</b>	No information available		
<b>SPECIFIC GRAVITY</b>	0.89		
<b>Water solubility</b>	No information available		
<b>Solubility in other solvents</b>	No information available		
<b>Partition coefficient</b>	No information available		
<b>Autoignition temperature</b>	No information available		
<b>Decomposition temperature</b>	No information available		
<b>Kinematic viscosity</b>	No information available		
<b>Dynamic viscosity</b>	No information available		
<b>Explosive properties</b>	No information available		
<b>Oxidizing properties</b>	No information available		
<b><u>Other Information</u></b>			
<b>Softening point</b>	No information available		
<b>DENSITY</b>	No information available		
<b>Bulk density</b>	No information available		

## 10. STABILITY AND REACTIVITY

### REACTIVITY

No data available

### Chemical stability

Stable under recommended storage conditions.

### Possibility of Hazardous Reactions

None under normal processing.

### CONDITIONS TO AVOID

Keep away from heat, sparks and flame.

### Incompatible materials

Avoid contact with acidic, basic or oxidizing agents.

### Hazardous Decomposition Products

Carbon monoxide. Carbon dioxide. Silicon dioxide. Toxic fumes. Oxides of nitrogen. Ethanol.

## 11. TOXICOLOGICAL INFORMATION

### Information on likely routes of exposure

<b>PRODUCT INFORMATION</b>	No data available
<b>Inhalation</b>	No data available.

**EYE CONTACT** No data available.  
**SKIN CONTACT** No data available.  
**INGESTION** No data available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Oral LD50	Dermal LD50	Inhalation LC50
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	= 3000 mg/kg ( Rabbit )	-
Xylene (Mixed Isomers) 1330-20-7	= 3500 mg/kg ( Rat ) = 4820 mg/kg ( Rat )	> 4350 mg/kg ( Rabbit ) > 1700 mg/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	= 29.08 mg/L ( Rat ) 4 h = 5000 ppm ( Rat ) 4 h > 5.04 mg/L ( Rat ) 4 h
Unknown Phenolic Resin UNK00275	-	-	-
Ethyl Benzene 100-41-4	= 3500 mg/kg ( Rat ) = 4820 mg/kg ( Rat )	= 15400 mg/kg ( Rabbit ) > 2000 mg/kg ( Rabbit )	= 17.2 mg/L ( Rat ) 4 h > 5.04 mg/L ( Rat ) 4 h
Stoddard Solvent 8052-41-3	-	-	-

**Information on toxicological effects**

**Symptoms** No information available.

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

**Sensitization** No information available.

**Germ cell mutagenicity** No information available.

**Carcinogenicity** The table below indicates whether each agency has listed any ingredient as a carcinogen.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	ACGIH	IARC	NTP	OSHA
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	Group 3	-	-
Unknown Phenolic Resin UNK00275	-	-	-	-
Ethyl Benzene 100-41-4	A3	Group 2B	-	X
Stoddard Solvent 8052-41-3	-	-	-	-

**Reproductive toxicity** No information available.

**STOT - single exposure** No information available.

**Aspiration hazard** No information available.

**Numerical measures of toxicity - PRODUCT INFORMATION**

**Toxicity:** Not determined  
**The following values are calculated based on chapter 3.1 of the GHS document .**  
**ATEmix (dermal)** 2001 mg/kg mg/L

**12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

45.5466% of the mixture consists of component(s) of unknown hazards to the aquatic environment

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Acute Algae Toxicity:	Acute Fish Toxicity:	Crustacea
Solvent, Naphtha, Light Aliphatic 64742-89-8	4700: 72 h Pseudokirchneriella subcapitata mg/L EC50	-	-

Xylene (Mixed Isomers) 1330-20-7	11: 72 h Pseudokirchneriella subcapitata mg/L EC50	13.1 - 16.5: 96 h Lepomis macrochirus mg/L LC50 flow-through 13.5 - 17.3: 96 h Oncorhynchus mykiss mg/L LC50 2.661 - 4.093: 96 h Oncorhynchus mykiss mg/L LC50 static 23.53 - 29.97: 96 h Pimephales promelas mg/L LC50 static 30.26 - 40.75: 96 h Poecilia reticulata mg/L LC50 static 7.711 - 9.591: 96 h Lepomis macrochirus mg/L LC50 static 13.4: 96 h Pimephales promelas mg/L LC50 flow-through 19: 96 h Lepomis macrochirus mg/L LC50 780: 96 h Cyprinus carpio mg/L LC50 semi-static 780: 96 h Cyprinus carpio mg/L LC50	0.6: 48 h Gammarus lacustris mg/L LC50 3.82: 48 h water flea mg/L EC50
Unknown Phenolic Resin UNK00275	-	-	-
Ethyl Benzene 100-41-4	1.7 - 7.6: 96 h Pseudokirchneriella subcapitata mg/L EC50 static 2.6 - 11.3: 72 h Pseudokirchneriella subcapitata mg/L EC50 static 11: 72 h Pseudokirchneriella subcapitata mg/L EC50 4.6: 72 h Pseudokirchneriella subcapitata mg/L EC50 438: 96 h Pseudokirchneriella subcapitata mg/L EC50	11.0 - 18.0: 96 h Oncorhynchus mykiss mg/L LC50 static 7.55 - 11: 96 h Pimephales promelas mg/L LC50 flow-through 9.1 - 15.6: 96 h Pimephales promelas mg/L LC50 static 32: 96 h Lepomis macrochirus mg/L LC50 static 4.2: 96 h Oncorhynchus mykiss mg/L LC50 semi-static 9.6: 96 h Poecilia reticulata mg/L LC50 static	1.8 - 2.4: 48 h Daphnia magna mg/L EC50
Stoddard Solvent 8052-41-3	-	-	-

**Persistence and degradability**

No information available.

**Bioaccumulation**

No information available.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Partition coefficient
Solvent, Naphtha, Light Aliphatic 64742-89-8	-
Xylene (Mixed Isomers) 1330-20-7	2.77 - 3.15
Unknown Phenolic Resin UNK00275	-
Ethyl Benzene 100-41-4	3.118
Stoddard Solvent 8052-41-3	-

**Other adverse effects**

No information available

**13. DISPOSAL CONSIDERATIONS**

**Waste treatment methods**

**Disposal of wastes**

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

**Contaminated packaging**

Do not reuse container.

**EPA HAZARDOUS WASTE DISPOSAL CODE:**

D001, D018, RQ = 100 lb / 45.4 kg.

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA Classification:	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	Included in waste stream: F039	-	U239
Unknown Phenolic Resin UNK00275	-	-	-	-
Ethyl Benzene 100-41-4	-	Included in waste stream: F039	-	-
Stoddard Solvent 8052-41-3	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	RCRA - Halogenated Organic Compounds	RCRA - P Series Wastes	RCRA - F Series Wastes	RCRA - K Series Wastes
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	-	-	-	-
Unknown Phenolic Resin UNK00275	-	-	-	-
Ethyl Benzene 100-41-4	-	-	-	-
Stoddard Solvent 8052-41-3	-	-	-	-

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	California Hazardous Waste Status
Solvent, Naphtha, Light Aliphatic 64742-89-8	-
Xylene (Mixed Isomers) 1330-20-7	Toxic Ignitable
Unknown Phenolic Resin UNK00275	-
Ethyl Benzene 100-41-4	Toxic Ignitable
Stoddard Solvent 8052-41-3	-

**14. TRANSPORT INFORMATION**

**DOT SHIPPING NAME:** PAINT  
**DOT HAZARD CLASS:** 3  
**DOT PACKING GROUP:** PG II  
**DOT LABEL(S):** FLAMMABLE LIQUID  
**UN/NA NUMBER:** UN1263  
**PLACARDS:** FLAMMABLE LIQUID  
**ICAO/IATA:** 3 , II  
**MARINE POLLUTANT:** NONE  
**NMFC CLASSIFICATION:** CLASS 55

**15. REGULATORY INFORMATION**

**International Inventories**

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Does not comply
ENCS	Does not comply
IECSC	Does not comply
KECL	Complies



**PICCS** Does not comply  
**AICS** Does not comply

**Legend:**

**TSCA** - United States Toxic Substances Control Act Section 8(b) Inventory  
**DSL/NDL** - Canadian Domestic Substances List/Non-Domestic Substances List  
**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances  
**ENCS** - Japan Existing and New Chemical Substances  
**IECSC** - China Inventory of Existing Chemical Substances  
**KECL** - Korean Existing and Evaluated Chemical Substances  
**PICCS** - Philippines Inventory of Chemicals and Chemical Substances  
**AICS** - Australian Inventory of Chemical Substances

**US Federal Regulations**

**SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	SARA 313 - Threshold Values %
Xylene (Mixed Isomers) 1330-20-7	1.0
Ethyl Benzene 100-41-4	0.1

**SARA 311/312 Hazard Categories**

**ACUTE HEALTH HAZARD** No  
**FIRE HAZARD** No  
**Sudden release of pressure hazard** No  
**REACTIVE HAZARD** No

**CWA (Clean Water Act)**

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-	-
Xylene (Mixed Isomers) 1330-20-7	100 lb	-	-	X
Unknown Phenolic Resin UNK00275	-	-	-	-
Ethyl Benzene 100-41-4	1000 lb	X	X	X
Stoddard Solvent 8052-41-3	-	-	-	-

**CERCLA**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	Hazardous Substances RQs	CERCLA/SARA RQ
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-
Xylene (Mixed Isomers) 1330-20-7	100 lb	RQ 100 lb final RQ RQ 45.4 kg final RQ
Unknown Phenolic Resin UNK00275	-	-
Ethyl Benzene 100-41-4	1000 lb	RQ 1000 lb final RQ RQ 454 kg final RQ
Stoddard Solvent 8052-41-3	-	-

**US State Regulations**

**CALIFORNIA PROPOSITION 65**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	CALIFORNIA PROPOSITION 65
Solvent, Naphtha, Light Aliphatic 64742-89-8	-
Xylene (Mixed Isomers) 1330-20-7	-
Unknown Phenolic Resin UNK00275	-
Ethyl Benzene 100-41-4	Carcinogen
Stoddard Solvent 8052-41-3	-

**U.S. State Right-to-Know Regulations**

HAZARDOUS PRODUCT COMPOSITION/CAS NUMBER	New Jersey Right-to-Know List:	MA Right to Know Law:	Pennsylvania Right to Know List
Solvent, Naphtha, Light Aliphatic 64742-89-8	-	-	-
Xylene (Mixed Isomers) 1330-20-7	X	X	X
Unknown Phenolic Resin UNK00275	-	-	-
Ethyl Benzene 100-41-4	X	X	X
Stoddard Solvent 8052-41-3	X	X	X

**U.S. EPA Label Information**

EPA Pesticide Registration Number Not Applicable

**16. OTHER INFORMATION**

**NFPA RATING:** HEALTH 2 , FLAMMABILITY 3 , INSTABILITY 0  
**HMIS CLASSIFICATION:** HEALTH \*2 , FLAMMABILITY 3 , PHYSICAL HAZARD 0

**Prepared By** Santino M. Cardella  
**Revision Date** 28-Apr-2015  
**Revision Note**  
 No information available

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**\*\*\*END OF MSDS\*\*\***