



CONSTRUCTION CHEMICALS

Conforms to OSHA HazCom 2012 Standard and WHMIS 2015

SAFETY DATA SHEET

1.1 PRODUCT IDENTIFIER

Product Name: FLEXVOX 105FX

Product Code: AU7520

1.2 RECOMMENDED USE OF CHEMICAL AND RESTRICTIONS ON USE

Product Use: Setting Material

1.3 DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEETS

Name/Address: VOX YAPI KIMYASALLARI SAN VE TIC LTD STI.
Haciyusuf Mescit Mah.Hilal Cad.no:100/1 Karatay
Konya TURKEY 42030

Telephone Number: + 90 332 342 0869

Section 2: HAZARD(S) IDENTIFICATION

2.1 CLASSIFICATION OF THE CHEMICAL IN ACCORDANCE WITH PARAGRAPH (d) OF 29 CFR 1910.1200 (OSHA HAZCOM2012)

Skin Irritation	Category 2
Serious Eye Damage	Category 1
Skin Sensitization	Category 1B
Specific Target Organ Toxicity—Single Exposure	Category 3
Specific Target Organ Toxicity—Repeated Exposure	Category 1
Carcinogenicity	Category 1A

2.2 LABEL ELEMENTS ACCORDING TO OSHA HAZCOM2012

2.2a SIGNAL WORD:
DANGER!

2.2b HAZARD STATEMENTS

Causes skin irritation
Causes serious eye damage
May cause an allergic skin reaction
May cause respiratory irritation
Causes damage to lungs through prolonged or repeated inhalation of dust
May cause cancer through inhalation of dust

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2.2c HAZARD PICTOGRAMS



2.2d PRECAUTIONARY STATEMENTS

<p>i. PREVENTION</p>	<p>Wash hands thoroughly after handling. Do not breathe dust. Do not eat, drink or smoke when using this product. Use only outdoors or in a well-ventilated area. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection.</p>
<p>ii. RESPONSE</p>	<p>If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: 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 eye irritation persists: Get medical advice/attention. If inhaled: Remove person to fresh air and keep comfortable for breathing. If experiencing respiratory symptoms: call a poison center/doctor. If swallowed: Rinse mouth. Do NOT induce vomiting. If exposed or concerned: get medical advice/attention.</p>
<p>iii. STORAGE</p>	<p>Store in a well-ventilated place. Store locked up. Keep container tightly closed.</p>
<p>iv. DISPOSAL</p>	<p>Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations.</p>

2.3 ADDITIONAL INFORMATION

2.3a HNOC – HAZARDS NOT OTHERWISE CLASSIFIED

Not Applicable

2.3b UNKNOWN ACUTE TOXICITY

2.3% of the mixture consists of ingredient(s) of unknown acute toxicity.

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Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 MIXTURES

Chemical Name	CAS Number	Weight %
Calcite (Ca(CO ₃))	13397-26-7	40 – 70%*
Portland Cement	65997-15-1	15 – 35%*
Calcium Carbonate	1317-65-3	5 – 15%*
Polymeric compounds	9004-65-3	1 – 5%*

*Means that the component will fall into one the ranges specified due to batch-to-batch variability.

Section 4: FIRST-AID MEASURES

4.1 DESCRIPTION OF THE FIRST-AID MEASURES

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. If easy to do, remove contact lenses, if worn. Get medical attention immediately.
Skin Contact:	In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists.
Inhalation:	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.
Ingestion:	If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention.

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4.2 MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED

ROUTES OF EXPOSURE	DESCRIPTION
Eye Contact:	Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.
Skin Contact:	Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.
Inhalation:	May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.
Ingestion:	May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

4.3 INDICATION OF IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to Physicians:	Symptoms may not appear immediately.
Specific Treatments:	In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

Section 5: FIRE-FIGHTING MEASURES

5.1 FLAMMABILITY

Flammability: Not Flammable/Not Combustible by WHMIS/OSHA HAZCOM2012 Criteria

5.2 EXTINGUISHING MEDIA

5.2a. Suitable Extinguishing Media:

Treat for surrounding material

5.2b. Unsuitable Extinguishing Media:

Not Available

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5.3 SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

5.3a. Explosion Data

- i. **Sensitivity to Mechanical Impact:**
Not Available
- ii. **Sensitivity to Static Discharge:**
Not Available

5.4 SPECIAL PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIRE-FIGHTERS

Keep upwind of fire. Wear full fire fighting turn-out gear (full bunker gear) and respiratory protection (SCBA).

Section 6: ACCIDENTAL RELEASE MEASURES

6.1 PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT, AND EMERGENCY PROCEDURES

Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel.

6.2 METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP

Methods for Containment: Recover all usable material. Pick up large pieces, and then place in a suitable container. Do not flush to sewer or allow to enter waterways. Use appropriate Personal Protective Equipment (PPE).

Methods for Cleaning-Up: Vacuum or sweep material and place in a disposal container. Dispose of unwanted material properly in accordance with all local, regional, national and international regulations.

Section 7: HANDLING AND STORAGE

7.1 PRECAUTIONS FOR SAFE HANDLING

Handling: Use in well-ventilated areas. Wear impervious gloves and eye protection. Do not mix with other chemical products, except as indicated by the manufacturers. Do not get in eyes. Do not get on skin or clothing. Do not breathe dust. Do not take internally.

General Hygiene Advice: Use good industrial hygiene practices and wear recommended personal protection. Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

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7.2 CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES

Storage: Keep out of the reach of children. Store locked up. Keep container tightly closed. Store at room temperature and keep containers closed when not in use. Keep dry until use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 EXPOSURE CONTROLS

Engineering Controls: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

8.2 INDIVIDUAL PROTECTION MEASURES

8.2a. Personal Protective Equipment:

- i. **Eye/Face Protection:** Wear approved eye/face protection [properlyfitted dust- or splash-proof chemical safety goggles/face (face shield)]
- ii. **Skin Protection:**
 1. **Hand Protection:** Wear impervious gloves, such as nitrile.
 2. **Body Protection:** Wear suitable protective clothing
- iii. **Respiratory Protection:** A NIOSH approved respirator or filtering face piece, such as N95, is recommended in poorly ventilated areas or when permissible exposure limits may be exceeded. Respirators should be selected by and used under the direction of a trained health and safety professional following requirements found in OSHA's respirator standard (29 CFR 1910.134) and ANSI's standard for respiratory protection (Z88.2).
- iv. **General Health and Safety Measures:** Handle according to established industrial hygiene and safety practices.

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Section 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance (physical state, color, etc.):	Solid Gray Powder
Odor:	Characteristic
Odor Threshold:	Not Available
pH:	10.0 – 12.5 when wet
Melting point/Freezing point:	Not Available
Initial boiling point and boiling range:	Not Available
Flash point:	>212°F(>100°C)
Evaporation rate (Water=1):	Not Available
Flammability:	Not Flammable/Not Combustible
Upper Flammability/Explosive Limit:	Not Available
Lower Flammability/Explosive Limit:	Not Available
Vapor Pressure	Not Available
Vapor Density:	Not Available
Relative Density:	2.0 – 3.0 g/mL
Solubility in Water:	Slightly Soluble
Partition coefficient: n-octanol/water:	Not Available
Auto-ignition temperature:	Not Available
Decomposition Temperature:	Not Available
Viscosity (cps):	Not Available
VOC Content:	0 g/L

Section 10: STABILITY AND REACTIVITY

10.1. REACTIVITY

No dangerous reaction known under conditions of normal use.

10.2. CHEMICAL STABILITY

Stable under normal storage conditions. Keep dry in storage.

10.3. POSSIBILITY OF HAZARDOUS REACTION

No dangerous reaction known under conditions of normal use.

10.4. CONDITIONS TO AVOID

Heat. Incompatible materials.

10.5. INCOMPATIBLE MATERIALS

Strong acids. Strong Oxidizers.

10.6. HAZARDOUS DECOMPOSITION PRODUCTS

Upon decomposition, this product may yield oxides of carbon and hydrogen sulfide.

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Section 11: TOXICOLOGICAL INFORMATION

11.1. LIKELY ROUTES OF EXPOSURE:

Skin contact, skin absorption, eye contact, inhalation, and ingestion.

11.2. SYMPTOMS RELATED TO PHYSICAL/CHEMICAL/TOXICOLOGICAL CHARACTERISTICS:

Eye Contact: Causes serious eye damage. Symptoms may include discomfort or pain, excess blinking and tear production, with marked redness and swelling of the conjunctiva.

Skin Contact: Causes skin irritation. Handling can cause dry skin, discomfort, irritation, and dermatitis. May cause sensitization by skin contact.

Inhalation: May cause respiratory tract irritation. Causes damage to organs through prolonged or repeated exposure. This product contains crystalline silica. Prolonged or repeated inhalation of respirable crystalline silica from this product can cause silicosis, a serious disabling and fatal lung disease.

Ingestion: May be harmful if swallowed. Ingestion may cause discomfort and/or distress, nausea or vomiting.

11.3. DELAYED, IMMEDIATE, AND CHRONIC EFFECTS OF SHORT AND LONG-TERM EXPOSURE

SHORT-TERM	
Skin Corrosion/Irritation:	Causes skin irritation
Serious Eye Damage/Irritation:	Causes severe eye damage
Respiratory Sensitization:	Not Classified
Skin Sensitization:	May cause an allergic skin reaction
STOT-Single Exposure:	May cause respiratory irritation
Aspiration Hazard:	Not Classified
LONG-TERM	
Carcinogenicity:	May cause cancer through inhalation of dust
Germ Cell Mutagenicity:	Not Classified
Reproductive Toxicity:	Not Classified
STOT-Repeated Exposure:	Causes damage to lungs through prolonged or repeated inhalation of dust
Synergistic/Antagonistic Effects:	Not Classified

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Section 12: DISPOSAL CONSIDERATIONS

13.1. DISPOSAL METHOD

Dispose of contents/containers in accordance with all local, state, provincial, and federal regulations

13.2. OTHER DISPOSAL CONSIDERATIONS

Not Available

Section 14: TRANSPORT INFORMATION

DOT (U.S.)	TDG (CANADA)	IATA
UN NUMBER: Not Regulated	UN NUMBER: Not Regulated	UN NUMBER: Not Regulated
UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated	UN PROPER SHIPPING NAME: Not Regulated
TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated	TRANSPORT HAZARD CLASS (ES): Not Regulated
PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated	PACKING GROUP (if applicable): Not Regulated

SUMMARY: Product is NOT regulated under DOT/TDG and other transportation regulations.

14.1. ENVIRONMENTAL HAZARDS

Not Available

14.2. TRANSPORT IN BULK ACCORDING TO ANNEX II OF MARPOL 73/78 AND THE IBC CODE

Not Available

14.3. SPECIAL PRECAUTIONS FOR USER

Do not handle until all safety precautions have been read and understood.

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Section 15: REGULATORY INFORMATION

15.1. SAFETY, HEALTH AND ENVIRONMENTAL REGULATIONS/LEGISLATIONS SPECIFIC FOR THE CHEMICAL


Canada: This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations and the SDS contains all the information required by the Hazardous Products Regulations.

US: SDS prepared pursuant to the Hazard Communication Standard (29 CFR 1910.1200) HazCom 2012

15.2. US FEDERAL INFORMATION:

Chemical Name	CAS Number	Weight %
Calcite (Ca(CO ₃))	13397-26-7	40 – 70%*
Portland Cement	65997-15-1	15 – 35%*
Calcium Carbonate	1317-65-3	5 – 15%*
Polymeric compounds	9004-65-3	1 – 5%*

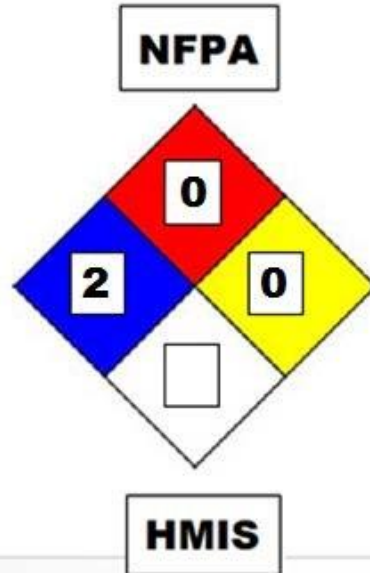
15.3. US STATE RIGHT TO KNOW LAWS:

California Proposition 65:	 WARNING: This product can expose you to chemicals including Crystalline Silica which is known to the State of California to cause cancer and Hexavalent Chromium Compounds which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov .
Other U.S. States "Right to Know" Lists:	
New Jersey:	Calcite (Ca(CO ₃)): CAS#13397-26-7 Calcium Carbonate: CAS#1317-65-3 Portland Cement: CAS#65997-15-1 Gypsum: CAS#13397-24-5 Polymeric compounds: CAS#9004-65-3
Pennsylvania:	Calcite (Ca(CO ₃)): CAS#13397-26-7 Calcium Carbonate: CAS#1317-65-3 Portland Cement: CAS#65997-15-1 Gypsum: CAS#13397-24-5 Polymeric compounds: CAS#9004-65-3
Massachusetts:	Calcite (Ca(CO ₃)): CAS#13397-26-7 Calcium Carbonate: CAS#1317-65-3 Portland Cement: CAS#65997-15-1 Gypsum: CAS#13397-24-5 Polymeric compounds: CAS#9004-65-3
Minnesota:	Silica, Quartz: CAS#14808-60-7 Calcium Carbonate: CAS#1317-65-63 Calcium Aluminate Cement: CAS#65997-16-2 Portland Cement: CAS#65997-15-1 Gypsum: CAS#13397-24-5
Florida:	Not Available
Michigan:	Not Available

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15.4. NFPA AND HMIS RATINGS:

<p style="text-align: center; margin: 0;">HEALTH HAZARD</p> <p>4 EXTREME - Highly toxic. May be fatal on short-term exposure.</p> <p>3 SERIOUS - Toxic. Full protective suit and breathing apparatus should be worn.</p> <p>2 MODERATE - Breathing apparatus and face mask must be worn.</p> <p>1 SLIGHT - Breathing apparatus may be worn.</p> <p>0 MINIMAL - No precautions necessary.</p>	<p style="text-align: center; margin: 0;">FLAMMABILITY HAZARD</p> <p>4 EXTREME - Extremely flammable gas or liquid. Flash Point below 73°F.</p> <p>3 SERIOUS - Flammable. Flash Point 73°F to 300°F.</p> <p>2 MODERATE - Combustible. Requires moderate heating to ignite. Flash Point below 200°F.</p> <p>1 SLIGHT - Slightly combustible. Requires strong heating to ignite.</p> <p>0 MINIMAL - Will not burn under normal conditions.</p>
<p style="text-align: center; margin: 0;">SPECIFIC HAZARD</p> <p>OXIDIZER OX</p> <p>ACID AC</p> <p>ALKALI AL</p> <p>CORROSIVE CR</p> <p>Use NO WATER W</p> <p>RADIATION ☼</p>	<p style="text-align: center; margin: 0;">INSTABILITY HAZARD</p> <p>4 EXTREME - Explosive at room temperature.</p> <p>3 SERIOUS - May detonate if shocked or heated under confinement or mixed with water.</p> <p>2 MODERATE - Unstable. May react with water.</p> <p>1 SLIGHT - May react if heated or mixed with water.</p> <p>0 MINIMAL - Normally stable. Does not react with water.</p>



Hazard Index	
4	Severe Hazard
3	Serious Hazard
2	Moderate Hazard
1	Slight Hazard

<p style="background-color: #0056b3; color: white; padding: 2px;">2 HEALTH</p> <p style="background-color: #e31a1c; color: white; padding: 2px;">0 FLAMMABILITY</p> <p style="background-color: #ffff00; padding: 2px;">0 REACTIVITY</p> <p style="border: 1px solid black; padding: 2px;">E PERSONAL PROTECTION</p>	<p style="text-align: center; margin: 0;">PROTECTIVE EQUIPMENT INDEX</p> <table style="width: 100%; font-size: small;"> <tr> <td style="width: 50%;">A </td> <td style="width: 50%;">G </td> </tr> <tr> <td>B </td> <td>H </td> </tr> <tr> <td>C </td> <td>I </td> </tr> <tr> <td>D </td> <td>J </td> </tr> <tr> <td>E </td> <td>K </td> </tr> <tr> <td>F </td> <td>X Ask your supervisor for special handling instructions.</td> </tr> </table>	A	G	B	H	C	I	D	J	E	K	F	X Ask your supervisor for special handling instructions.
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C	I												
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15.5. SOURCE AGENCY CARCINOGEN CLASSIFICATIONS:

CP65	California Proposition 65
OSHA (O)	Occupational Safety and Health Administration
ACGIH (G)	American Conference of Governmental Industrial Hygienists <ul style="list-style-type: none"> • A1 – Confirmed human carcinogen • A2 – Suspected human carcinogen • A3 – Animal carcinogen • A4 – Not classifiable as a human carcinogen • A5 – Not suspected a human carcinogen
IARC (I)	International Agency for Research on Cancer <ul style="list-style-type: none"> • 1 – The agent (mixture) is carcinogenic to humans • 2A – The agent (mixture) is probably carcinogenic to humans; there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals. • 2B – The agent (mixture) is possibly carcinogenic to humans; there is limited evidence of carcinogenicity in humans in the absence of sufficient evidence of carcinogenicity in experimental animals. • 3 – The agent (mixture, exposure circumstance) is not classifiable as to its carcinogenicity to humans. • 4 – The agent (mixture, exposure circumstance) is probably not carcinogenic to humans.
NTP (N)	National Toxicology Program <ul style="list-style-type: none"> • 1 – Known to be carcinogens • 2 – Reasonably anticipated to be carcinogens

Section 16: OTHER INFORMATION

Date of Preparation: June 18, 2018

Version: 1.1

Disclaimer: The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, express or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to silica contained in our products.

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End of Safety Data Sheet