

SAFETY DATA SHEET

Product: Catalyst 30, Catalyst 60

Revision: 03

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1 - IDENTIFICATION

Product identifier:	Catalyst 30, Catalyst 60
Other means of identification:	472101, 472102
Recommended use of the chemical and restrictions on use:	Used as an additive to contact adhesive for repair and splicing of conveyor belts. Restrictions on use: This product should not be used for applications other than those recommended in this section. Remove all ignition sources. Keep away from heat, open flames, hot surfaces, sparks and do not smoke. For more information, consult the product technical data sheet.
Manufacturer's name:	Vipal Rubber Corporation
Address:	2601 NW 89, FL 33172 - Miami - FL - United States.
Telephone number:	+1 305 640 0330
Emergency phone number:	+1 305 640 0330

2 - HAZARD IDENTIFICATION

Classification of the chemical:	Flammable Liquids - Category 3; Acute Toxicity - Inhalation - Category 4; Skin Corrosion/Irritation - Category 2; Serious eye damage/eye irritation - Category 2A; Respiratory Sensitization - Category 1; Skin Sensitization - Category 1; Carcinogenicity - Category 2; Specific Target Organ Toxicity – Single Exposure - Category 3 - Narcotic and Category 3 - Respiratory; Specific Target Organ Toxicity – Repeated Exposure - Category 1; Aspiration Hazard - Category 1.
Classification system adopted:	OSHA HCS 29 CFR 1910.1200 Globally Harmonized System of Classification and Labeling of Chemicals (GHS), United Nations.
Pictograms:	



Signal word:	DANGER
Hazard statement(s):	Flammable liquid and vapour. May be fatal if swallowed and enters airways. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. May cause drowsiness or dizziness. Suspected of causing cancer. Causes damage to the respiratory system through prolonged or repeated exposure.
Precautionary	PREVENTION:

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statement(s):

Obtain special instructions before use.
 Do not handle until all safety precautions have been read and understood.
 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
 Keep container tightly closed.
 Ground and bond container and receiving equipment.
 Use explosion-proof electrical, ventilating and lighting equipment.
 Take action to prevent static discharges.
 Do not breathe dust/fume/gas/mist/vapours/spray.
 Avoid breathing dust/fume/gas/mist/vapours/spray.
 Wash hands thoroughly after handling.
 Do not eat, drink or smoke when using this product.
 Use only outdoors or in a well-ventilated area.
 Contaminated work clothing should not be allowed out of the workplace.
 Wear protective gloves, protective clothing, eye protection, face protection and hearing protection.
 In case of inadequate ventilation, wear respiratory protection.

RESPONSE TO EMERGENCY:

If swallowed: Immediately call a poison center/doctor.
 If on skin: Wash with plenty of water.
 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
 If inhaled: Remove person to fresh air and keep comfortable for breathing.
 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If exposed or concerned: Get medical advice/attention.
 Call a POISON CENTER or a doctor, if you feel unwell.
 Get medical advice/attention if you feel unwell.
 Specific treatment.
 Do NOT induce vomiting.
 If skin irritation occurs: Get medical advice/attention.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 If experiencing respiratory symptoms: Call a poison center/doctor.
 Take off contaminated clothing and wash it before reuse.
 In case of fire: Use carbon dioxide (CO₂), foam, water mist and powder to extinguish.

STORAGE:

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

DISPOSITION:

Dispose of contents and container in accordance with local regulations.

Other hazards which do not result in classification:

The product has no other hazards.

Any hazards not otherwise classified that have been identified during the classification process:

Not applicable

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3 - COMPOSITION/INFORMATION ON INGREDIENTS**MIXTURE**

Components contributing to the hazard:

Product identifier	CAS/EC	Concentration range (%)
Isocyanic acid polymethylenepolyphenylene ester	9016-87-9 618-498-9	60.00 - 90.00
Xylene	1330-20-7 215-535-7	36.00 - 54.00

4 - FIRST-AID MEASURES**Description of necessary measures**

Inhalation:	Remove victim to fresh air and keep in a position that does not obstruct breathing. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this document.
Skin contact:	Wash exposed skin with sufficient amount of water to remove the product. Remove and isolate contaminated clothing and shoes. In case of skin irritation: Consult a doctor. Bring this document.
Eye contact:	Rinse carefully with water for several minutes. If wearing contact lenses, remove them if it is easy and keep rinsing. If eye irritation persists: consult a doctor. Bring this document.
Ingestion:	Wash the victim's mouth with plenty of water. Never give anything by mouth to an unconscious person. If you feel unwell, contact a TOXICOLOGICAL INFORMATION CENTER or a doctor. Bring this document.
Most important symptoms/effects, acute and delayed:	May cause an allergic skin reaction with pruritus and dermatitis. Causes skin irritation with redness, pain and dryness. Causes serious eye irritation with redness and pain. May cause allergy or asthma symptoms or breathing difficulties if inhaled with shortness of breath and tiredness. May be fatal if swallowed and enters airways. Harmful if inhaled. Causes damage to the respiratory system through prolonged or repeated exposure. May cause drowsiness or dizziness, may cause dizziness and nausea. May cause respiratory irritation, may cause cough and sneezing.
Indication of immediate medical attention and special treatment needed, if necessary:	Avoid contact with the product when helping the victim. If necessary, symptomatic treatment should include, above all, supportive measures such as correction of hydro electrolytic and metabolic disorders and respiratory assistance. In case of skin contact, do not rub the affected area.

5 - FIRE-FIGHTING MEASURES

Extinguishing media:	Suitable: carbon dioxide (CO ₂), foam, water mist and powder. Unsuitable: water directly onto the burning material.
Specific hazards arising from the chemical:	Combustion of the material or its packaging can form irritating and toxic gases such as carbon monoxide and dioxide. Very dangerous when exposed to excessive heat or other sources of ignition such as: sparks, open flames or flames from matches and cigarettes, welding operations, pilot lights and electric motors. May build up static charge by flow or agitation. Vapors from heated product can ignite by static discharge. Vapors are denser than air and tend to accumulate in low-lying or confined areas such as storm drains and basements. It can travel great distances causing the flame to retreat or new fires in both open and confined environments. Containers may explode if heated.
Special protective actions for fire-fighters:	If the load is involved in fire, isolate and evacuate the area to a minimum radius of 800 meters. Wear positive pressure self-contained breathing apparatus (SCBA) and full protective clothing. Containers and tanks involved in the fire must be cooled with water mist.

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6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment, and emergency procedures:	<p>For non-emergency personnel: Isolate the leak from sources of ignition. Keep unauthorized persons away from the area. Stop the leak if it can be done without risk. Prevent sparks or flames. Do not smoke. Do not touch damaged containers or spilled product unless wearing suitable clothing. Avoid exposure to the product. Stay in a safe place with the wind at your back. Use personal protective equipment as described in section 8.</p> <p>For emergency responders: Use full PPE with safety glasses, safety gloves, suitable protective clothing and closed shoes. In the event of a leak, where exposure is high, the use of an appropriate respiratory protection mask is recommended.</p> <p>Emergency procedures: Prevent spilled product from reaching watercourses and sewage systems.</p>
Methods and materials for containment and cleaning up:	Use water mist to reduce vapor dispersion. Use natural or spill containment barriers. Collect spilled product and place in appropriate containers. Absorb remaining product with dry sand, earth, vermiculite, or any other inert material. Place adsorbed product in appropriate containers and remove them to a safe location. Use non-sparking tools to collect adsorbed product. All equipment used for handling must be electrically grounded. For final disposal, proceed as per Section 13 of this document.

7 - HANDLING AND STORAGE

Precautions for safe handling:	Handle in a well ventilated area or with general system of ventilation/local exhaust. Avoid formation of vapors and mists. Use personal protective equipment as described in section 8. Avoid contact with incompatible materials. Wash hands and face thoroughly after handling and before eating, drinking, smoking, or using the toilet. Contaminated clothing should be changed and washed before reuse. Remove contaminated clothing and protective equipment before entering eating areas. It is not expected that the product presents a fire or explosion hazard.
Conditions for safe storage, including any incompatibilities:	Store in a dry, well-ventilated place away from sunlight. Keep the container closed. It is not necessary addition of stabilizers and antioxidants to ensure the durability. Packaging compatibilities: Similar to the original packaging. Keep away from incompatible materials.

8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters	
Occupational exposure limit:	<p>The values below apply to workplaces.</p> <p>- <u>Xylene</u>: Cal/OSHA - PEL - TWA: 100 ppm (435 mg/m³) (Section 5198) (CCR); Cal/OSHA - PEL - STEL: 150 (655 mg/m³) (Section 5198) (CCR); Cal/OSHA - PEL - Ceiling: 300 ppm (Section 5198) (CCR); OSHA - PEL - TWA: 100 ppm (435 mg/m³) (29 CFR 1910.1000 Table Z-1) (CFR); NIOSH - REL - TWA: 100 ppm (435 mg/m³); NIOSH - REL - STEL: 150 ppm (655 mg/m³); ACGIH - TLV - TWA: 20 ppm.</p> <p>CFR: See mentioned item in OSHA CFR; CCR: See the item mentioned in Cal/OSHA.</p>
Biological limit:	- <u>Xylene</u> : ACGIH - BEI: Determinant: Methylhippuric acid in urine. Sampling Time: End of shift. Index: 0.3 g/g creatinine.
Other limits and values:	No other limits and values are established.
Appropriate engineering controls:	A risk assessment is recommended to define the engineering control measures necessary to eliminate or minimize the risk. These measures help to reduce exposure to the product. Maintain atmospheric concentrations of the constituents of the material below occupational exposure limits

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	indicated.
Individual protection measures, such as personal protective equipment (PPE)	
Hand protection:	Nitrile gloves.
Eye protection:	Fully enclosed protective goggles.
Skin protection:	Impervious clothing or protective clothing chemically resistant to the product.
Respiratory protection:	Half face mask with filter against organic vapors.

9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Liquid.
Color:	Brown.
Odor:	Characteristic.
Melting point/freezing point:	Not available.
Boiling point (or initial boiling point or boiling range):	130 to 150 °C (266 to 302 °F) at 101.3 kPa.
Flammability:	Flammable.
Lower and upper explosion limit/flammability limit:	Not available.
Flash point:	34 °C (93.2 °F) - Closed cup.
Auto-ignition temperature:	Not available.
Decomposition temperature:	Not available.
pH:	Not available.
Kinematic viscosity:	Not available.
Solubility:	Immiscible in water.
Partition coefficient n-octanol/water (log value):	Not available.
Vapor pressure:	Not available.
Density and/or relative density:	Not available.
Relative vapor density:	Not available.
Particle characteristics:	Not applicable.
Other information:	Absolute density: 1.0564 g/cm ³ .

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10 - STABILITY AND REACTIVITY

Reactivity:	Reactivity is not to be expected under normal conditions of temperature and pressure.
Chemical stability:	Stable under normal temperature and pressure.
Possibility of hazardous reactions, including those associated with foreseeable emergencies:	<p>- <u>Isocyanic acid polymethylenepolyphenylene ester</u>: Polymerization may occur at high temperatures. It may react dangerously with alcohols, amines, ammonia, sodium hydroxide, acids and water. In contact with water, it undergoes hydrolysis and reacts to form carbon dioxide and polyurea.</p> <p>- <u>Xylene</u>: Risk of explosion when in contact with nitric acid and uranium hexafluoride. May react dangerously with oxidizing agents, acids and sulfuric acid.</p>
Conditions to avoid:	High temperatures. Ignition sources. Contact with incompatible materials. Moisture.
Incompatible materials:	Acids, alcohols, alcohols, amines, ammonia, base, nitric acid, oxidizing agents, oxygen, sodium hydroxide, sulphuric acid, uranium hexafluoride and water.
Hazardous decomposition products:	No dangerous decomposition products are known.

11 - TOXICOLOGICAL INFORMATION

Symptoms related to the physical, chemical and toxicological characteristics:	May cause an allergic skin reaction with pruritus and dermatitis. Causes skin irritation with redness, pain and dryness. Causes serious eye irritation with redness and pain. May cause allergy or asthma symptoms or breathing difficulties if inhaled with shortness of breath and tiredness. May be fatal if swallowed and enters airways. Harmful if inhaled. Causes damage to the respiratory system through prolonged or repeated exposure. May cause drowsiness or dizziness, may cause dizziness and nausea. May cause respiratory irritation, may cause cough and sneezing.
Delayed and immediate effects and also chronic effects from short and long-term exposure	
Acute toxicity:	<p>Product not classified as acute toxic by oral and dermal. Harmful if inhaled. ATEmix Oral: 4764.501 mg/kg. ATEmix Dermal: 2811.111 mg/kg. ATEmix Vapours (4h): > 20 mg/L. ATEmix Dusts and mists (4h): 1.252 mg/L.</p> <p>Information regarding to: - <u>Isocyanic acid polymethylenepolyphenylene ester</u>: LC₅₀ Dusts and mists (rats, 4h): 0.49 mg/L - <u>Xylene</u>: LC₅₀ Vapours (rats, 4h): 10 - 20 mg/L.</p>
Skin corrosion/irritation:	Causes skin irritation with redness, pain and dryness.
Eye damage/irritation:	Causes serious eye irritation with redness and pain.
Respiratory or skin sensitization:	<p>May cause an allergic skin reaction with pruritus and dermatitis. May cause allergy or asthma symptoms or breathing difficulties if inhaled with shortness of breath and tiredness.</p> <p>The ingredient Isocyanic acid polymethylenepolyphenylene ester is classified as a skin sensitizer and contributes to this product classification.</p> <p>The ingredient Isocyanic acid polymethylenepolyphenylene ester is classified as a respiratory sensitizer and contributes to this product classification.</p>

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Germ cell mutagenicity:	It is not expected to show mutagenicity in germ cells.
Carcinogenicity:	Suspected of causing cancer.
Reproductive toxicity:	It is not expected to be reproductively toxic.
Specific target organ toxicity (single exposure):	May cause drowsiness or dizziness, may cause dizziness and nausea. May cause respiratory irritation, may cause cough and sneezing.
Specific target organ toxicity (repeated exposure):	Causes damage to the respiratory system through prolonged or repeated exposure.
Aspiration hazard:	May be fatal if swallowed and enters airways.

12 - ECOLOGICAL INFORMATION

Ecotoxicity:	It is not expected to be ecotoxic.
Persistence and degradability:	Although it is not possible to conclude that it is rapidly degradable, it is not expected to persist in the environment.
Bioaccumulative potential:	Presents low bioaccumulative potential in aquatic organisms. Information regarding to: - <u>Xylene</u> : BCF: 6 log K_{ow} : 3.09.
Mobility in soil:	Not determined.
Other adverse effects:	No other environmental effects known.

13 - DISPOSAL CONSIDERATIONS

Description of waste residues and information on their safe handling and methods of disposal, including the disposal of any contaminated packaging:	Must be disposed of as waste in compliance with local regulations. The treatment and disposal should be evaluated for each specific product. Keep the product remains in its original and properly closed containers. Disposal should be performed as established for the product.
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14 - TRANSPORT INFORMATION**International regulations**

Road:	DOT - U.S. Department of Transportation.- Code of Federal Regulations.
UN number:	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Xylene)
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	The product is not considered dangerous for the environment for land transport.

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Sea:	IMO - International Maritime Organization: • IMDG Code - International Maritime Dangerous Goods Code.
UN number:	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Xylene)
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	It's not considered a marine pollutant for transportation.
EmS:	F-E, <u>S-E</u>
Air:	IATA - International Air Transport Association: • DGR - Dangerous Goods Regulation.
UN number:	1993
UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (Xylene)
Transport hazard class(es):	3
Packing group:	III
Environmental hazards:	The product is not considered dangerous for the environment for air transport.
Transport in bulk (according to IMO instruments):	Consult regulations: • International Maritime Organization: MARPOL: Articles, protocols, annexes, unified interpretations of the International Convention for the Prevention of Pollution from Ships, 1973, as modified by the Protocol of 1978 relating thereto, consolidated edition. IMO, London, 2006; • International Maritime Organization: IBC code: International code for the construction and equipment of shipping carrying dangerous chemicals in bulk: With Standards and guidelines relevant to the code. IMO, London, 2007.
Special precautions for user:	Not applicable.

15 - REGULATORY INFORMATION

Safety, health and environmental regulations specific for the product in question:	Convention concerning Safety in the use of Chemicals at Work (Convention 170) - International Labour Organization, 1990. TSCA: We certify that all the components of this product are listed on the TSCA Inventory Active. Prop.65: This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm. For more information go to www.P65Warnings.ca.gov .
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16 - Other information, including date of preparation or last revision

This document was prepared based on current knowledge about the proper product handling and under normal conditions of use, in accordance with the application specified on the packaging. Any other use of the product involving their combination with other products, and use various forms of those indicated, are the responsibility of the user. Warns that the handling of any chemical substance requires the prior knowledge of its hazards for the user. In the workplace it is for the user company's product promotes training of its collaborators about the possible risks arising from exposure to the chemical.

Change control:

Version	Manufacture date	Changes
03	05/14/2026	Change in composition. Change in section: 1, 2, 3, 9, 10 and 11.

Abbreviations:

ACGIH - American Conference of Governmental Industrial Hygienists;
 ATEmix - Acute Toxicity Estimate of the mixture;
 BCF - Bioconcentration factor;
 BEI - Biological Exposure Index;
 CAS - Chemical Abstracts Service;
 Ceiling - The concentration that should not be exceeded during any part of the working exposure;
 K_{ow} - Octanol-water partition coefficient;
 LC₅₀ - Lethal Concentration 50%;
 NIOSH - National Institute for Occupational Safety and Health;
 OSHA - Occupational Safety & Health Administration;
 PBT - Persistent, bioaccumulative and toxic;
 PEL - Permissible Exposure Limit;
 REL - Recommended Exposure Limit;
 STEL - Short Term Exposure Limit;
 TLV - Threshold Limit Value;
 TWA - Time Weighted Average;
 UN - United Nations;
 vPvB - Very Persistent and very Bioaccumulative.

Bibliographic references:

ACGIH - AMERICAN CONFERENCE OF GOVERNMENTAL INDUSTRIALS HYGIENISTS. TLVs® and BEIs®: Based on the Documentation of the Threshold Limit Values (TLVs®) for Chemical Substances and Physical Agents & Biological Exposure Indices (BEIs®). Cincinnati-USA, 2025.

GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 10th rev. ed. New York and Geneva: United Nations, 2023.