Safety Data Sheet

According to (CE) No 1907/2006, amended by Regulation (EU) 2020/878

Version number: 103 **Revision date:** 20/07/2023

Trade name: 30 Catalyst, 60 Catalyst

1 Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: 30 Catalyst, 60 Catalyst

Internal identification code: 472101, 472102

UFI: WK2A-U6X6-Q00U-UMKQ

Relevant identified uses of the substance or mixture and uses advised against: Used as an additive to the Vipafix, it is recommended in 1 flask per can (1 liter) proportion to improve the adhesion and cohesion resistance.

Remove all sources of ignition. Keep away from heat, open flames, hot surfaces, sparks and not smoke.

This product must not be used for applications other than those recommended in this section.

For further information consult the technical data sheet.

1.2 Identification of the company

Manufacturer/Supplier: Vipal Europe S.L.

Amado Granell Mesado, 75, 5K-46013

Valencia, Spain

E-mail: sales.eu@vipal.com

Emergency telephone number: +34 963 25 95 10 – Frederico Schmidt

2 Hazards identification

2.1 Classification of the substance or mixture

Labelling according to Regulation (EC) No 1272/2008

Globally Harmonized System (GHS)

2.2 Label elements

Hazard pictograms

GHS02 GHS07

Signal word: Danger

Hazard-determining components of labelling:

diphenylmethanediisocyanate,isomeres and homologues

Xylene

Hazard statements:

H226 Flammable liquid and vapour.

H332 Harmful if inhaled.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P241 Use explosion-proof (electrical/ventilating/lighting) equipment.

P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water (or shower).

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P405 Store locked up.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.3 Other hazards: Not applicable

3 Composition/information on ingredients

3.1 Chemical characterization: Mixture

Dangerous components:

CAS	Chemical name or technical name	Concentration (%)
CAS: 101-68-8 EINECS: 202-966-0	4,4'-methylenediphenyl diisocyanate Resp. Sens. 1, H334; Carc. 2, H351; STOT RE 2, H373 Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	60-100
CAS: 1330-20-7 EINECS: 215-535-7	Xylene Flam. Liq. 3, H226 Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315	30-60

Additional information: Not available

4 First aid measures

4.1 Description of first aid measures

After inhalation: Remove the victim to fresh air. If the victim is breathing with difficult, give oxygen. If necessary administer artificial respiration. Seek medical advice.

After skin contact:

Do not palpate nor rub the affected area.

Remove contaminated clothing. Wash exposed skin with large amounts of water for at least 30 minutes. Seek medical advice.

Do not palpate nor rub the affected area.

After eye contact: *Wash immediately with running water for at least 30 minutes, keeping eyelids open. If it's possible, remove contact lenses and seek immediate medical assistance.*

After swallowing: *Rinse out mouth and then drink plenty of water.*

4.2 Most important symptoms and effects, both acute and delayed:

Coughing, chest tightness, and irritation of the upper airways.

If ingested, it causes discomfort, stomach pain, and vomit.

Repetitive and prolonged contact with skin causes redness, itchiness, irritation, and eczema.

4.3 Indication of any immediate medical attention and special treatment needed: *No further relevant information available.*

5 Firefighting measures

5.1 Extinguishing media

Suitable extinguishing agents: *Use chemical-powder (PQS), chemical-foam, or CO_2 sprinkles. Use water-mist spout to cool down adjacencies.*

Unsuitable extinguishing agents: *Jet of water*

5.2 Special hazards arising from the substance or mixture: *During heating or in case of fire poisonous gases are produced.*

5.3 Advice for firefighters: *Self-contained breathing apparatus (SCBA), complete protective clothing, and leather gloves.*

6 Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

For people who are not part of the emergency services:

Eliminate all ignitions sources. Do not smoke.

Do not touch nor walk over spilt product.

Avoid inhalation, contact with eyes and skin.

Stay away from low areas and keep the wind to your back.

For people part of the emergency services:

Use waterproof protection clothes, nitrile gloves, closed shoes, protection googles, and breathing mask for organic vapors.

Isolate the area in a radius of at least 100 meters, in all directions.

Maintain unauthorized people away.

6.2 Environmental precautions:

In case of gas release or seepage into the ground inform responsible authorities.

Do not allow to enter sewers/ surface or ground water.

Put the absorbed material into appropriate containers and remove them to a safe place.

6.3 Methods and material for containment and cleaning up:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Using water mist or vapor suppressing foam to reduce the dispersion of vapors

Collect the material and put it into adequate containers, duly labeled for further treatment and disposal.

Dispose contaminated material as waste according to item 13.

6.4 Reference to other sections: No applicable

7 Handling and storage

7.1 Precautions for safe handling:

Ensure good ventilation/exhaustion at the workplace.

Avoid prolonged contact of the product with skin and eyes.

Not inhale substance.

Hygienic measures: Wash your hands before eating, drinking, smoking or using the toilet. Contaminated clothing should be changed and washed before reuse.

7.2 Conditions for safe storage, including any incompatibilities: Keep in a cool, covered and ventilated area, away from direct sunlight, moisture and strong sources of ozone.

Prevention of fire and explosions:

Keep in a cool, covered and ventilated area, away from direct sunlight, moisture and strong sources of ozone.

Information about storage in one common storage facility: Store away from foodstuffs.

7.3 Specific end use(s): Used as an additive to the Vipafix, it is recommended in 1 flask per can (1 liter) proportion to improve the adhesion and cohesion resistance.

8 Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

101-68-8 - 4,4'-Methylenediphenyl diisocyanate	
WEL	Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO
1330-20-7 - Xylene	
WEL	Short-term value: 441 mg/m³, 100 ppm

	Long-term value: 220 mg/m³, 50 ppm *Sk; BMGV*

Ingredients with biological limit values:

1330-20-7 - Xylene	
ACGIH - BED	*Methylhippuric acids in urine; EIB 1.5 g/g creatinine (end of day)*

8.2 Exposure controls

Limitation and supervision of exposure into the environment: *Steam aspiration systems must be projected in observance to local regulations concerning limits of emission of volatiles substances.*

Engineering control measures: *Provide mechanical ventilation and exhaust system so to maintain the vapor concentration lower than the tolerance limit.*

Eye protection: *Tightly sealed goggles*

Protection of hands and body: *Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Use waterproof clothes.*

Recommended: Nitrile gloves

Respiratory protection: *In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.*

Indication: Half-face mask with filter for organic vapors.

Thermal Hazards: *Not applicable*

9 Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state: *Liquid light*

Colour: *Brown*

Odour: *Characteristic*

pH: *Not available*

Melting point/freezing point: *Not available*

Boiling point or initial boiling point and boiling range: *130 -150 °C*

Flash point: *34 °C (closed cup)*

Flammability: *Not available*

Lower and upper explosion limit: *Not available*

Vapour pressure at 30 °C: *1.3 kPa*

Vapour density (air=1): *Not available*

Relative density (water=1): *1.070 g/cm^3*

Solubility: *Insoluble (water)*

Partition coefficient n-octanol/water: *Not available*

Auto-ignition temperature: *Not available*

Decomposition temperature: *Not available*

Viscosity at 23 °C: *Not available*

Particle characteristics: *No applicable*

9.2 Other information: *No further relevant information available.*

10 Stability and reactivity

10.1 Reactivity: *May have reactions with incompatible materials.*

10.2 Chemical stability: *Stable in normal use conditions.*

10.3 Possibility of hazardous reactions: *Contact with water releases toxic gases.*

10.4 Conditions to avoid: *Elevated temperatures. Ignition sources and incompatible materials contact.*

10.5 Incompatible materials: *Incompatible with strong oxidants, acetic acid, and nitric acid.*

10.6 Hazardous decomposition products: *A toxic gas mixture is formed upon combustion, chiefly containing CO_2 and CO.*

11 Toxicological information

11.1. Information on hazard classes

Acute toxicity:

LD/LC50 values relevant for classification:		
101-68-8 - 4,4'-methylenediphenyl diisocyanate		
Oral	*LD50*	*2200 mg/kg (mouse)*
1330-20-7 - xylene		
Oral	*LD50*	*4300 mg/kg (rat)*
Dermal	*LD50*	*2000 mg/kg (rabbit)*

Skin corrosion/irritation: *It can cause irritation, redness, and burning sensation.*

Serious eye damage/irritation: *It can cause eye irritation accompanied by redness.*

Respiratory or skin sensitization: *No sensitising effects known.*

Germ cell mutagenicity: *It is not expected mutagenic effects in germ cells.*

Carcinogenicity: *It is not expected that the product presents carcinogenicity to humans.*

Reproductive toxicity: *It is not expected to present toxicity to reproduction and lactation.*

Toxicity for specific target organ (STOT) - single exposure: *It is not expected that the product presents effects of toxicity for specific target organs by single exposure.*

Toxicity for specific target organ (STOT) - repeated exposure: *It can cause damage to the central nervous system and peripheral nervous system by repeated and prolonged exposure.*

Aspiration hazard: *It is not expected that the product presents aspiration hazard.*

12 Ecological information

12.1 Toxicity: *Xylene: CL50 (fish, 96h): 13,5 mg/L*

12.2 Persistence and degradability: *Slow degradation and low persistence.*

12.3 Bioaccumulative potential: *Non significant accumulation in organisms.*

12.4 Mobility in soil: *Moderate mobility on soil.*

12.5. Results of PBT and vPvB assessment: *Not available*

12.6. Endocrine disrupting properties: *Not applicable*

12.7 Other adverse effects: *No further relevant information available.*

13 Disposal considerations

13.1 Waste treatment method

Product: *Treatment and disposal must be specifically evaluated for each product. The requirements of Directive 2008/98/EC, federal, state, and city laws must be consulted. Must not be disposed together with household garbage. Do not allow product to reach sewage system. Packaging (plastic and/or cardboard), if not contaminated, should be discarded in accordance to present law.*

Product remains: *Keep the product remains in its original packaging. Disposal should be carried out as established for the product.*

Uncleaned packaging: *Disposal must be made according to official regulations.*

14 Transport information

Land transport, water transportation and air transport:

Directive 2008/68/EC, on the inland transport of dangerous goods

International Maritime Organization (IMO)

International Maritime Dangerous Goods Code (IMDG Code)

International Air Transport Association (IATA)

Dangerous Goods Regulation (DGR)

14.1 UN number or ID number: UN1993

14.2 UN proper shipping name: 1993 FLAMMABLE LIQUID, N.O.S. (xylene mixture)

14.3 Transport hazard class(es): 3 Flammable liquids

14.4 Packing group: III

14.5 Environmental hazards: The product is not dangerous for the environment.

Marine pollutant: No

Limited quantities (LQ): 5 L

EMS: F-E, S-E

14.6 Special precautions for user: Not available

14.7 Maritime transport in bulk according to IMO instruments: Not applicable

15 Regulatory information

Regulations

International Maritime Organization (IMO)

International Maritime Dangerous Goods Code (IMDG Code)

International Air Transport Association (IATA)

Dangerous Goods Regulation (DGR)

Directive 2008/68/EC, on the inland transport of dangerous goods

Regulation (CE) No 1907/2006, amended by Regulation (EU) 2020/878

Regulation (EC) No 1272/2008, on classification, labelling and packaging of substances and mixtures

Directive 2008/98/EC, on waste and repealing

16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This form provides information on protection, health, safety and the environment. Note that the handling of any chemical substance requires prior knowledge of its dangers to users.

The company using the product is responsible for providing training for its employees and hired parties with regards to the possible adverse risks of the product.

Data compared to the previous version altered: Compliance with Regulation (EU) 2020/878.

References:

International Uniform ChemicaL Information Database (IUCLID): Available in: https://iuclid6.echa.europa.eu/.

ECOTOX DATABASE: Available in: https://cfpub.epa.gov/ecotox/.

Occupational Safety and Health Administration (OSHA): Available in: < www.osha.gov>.

American Conference of Governmental Industrial Hygienists (ACGIH). Available in: https://www.acgih.org/.

National Institute for Occupational Safety and Health (NIOSH). Available in: https://www.cdc.gov/niosh/index.htm.

THOMAS SWAN, Material Safety Data Sheet, CASABOND TX. Revision date: 14/05/2018.