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ZINGASOLV		ZM 03

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

Product identification : ZINGASOLV
REACH Registration No. : : 01-2119455851-35
Application : Solvent
Use : Industrial.
 See product bulletin for detailed information.

Responsible for market introduction : Mr. Guy Willemot
Supplier : ZINGAMETALL B.V.B.A.
 Rozenstraat 4, Industriepark 9810 Eke Belgium
 Tel. : +32 (0)9 385 68 81
 Fax. : +32 (0)9 385 58 69
 E-mail : zingametall@zinga.be

Emergency contact number : Belgium: +32 70 245 245
 The Netherlands: +31 30 274 88 88

2. HAZARDS IDENTIFICATION

Classification according to 1272/2008



Physical: Flam. Liq. 3 - H226
Health: EUH066; STOT Single 3 - H335, H336; Asp. Tox. 1 - H304
Environmental: Aquatic Chronic 2 - H411

Signal word: Danger

EUH066 Repeated exposure may cause skin dryness or cracking.

H226 Flammable liquid and vapour.
 H304 May be fatal if swallowed and enters airways.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H411 Toxic to aquatic life with long lasting effects.

P210: Keep away from heat/sparks/open flames/hot surfaces. No smoking.

P243: Take precautionary measures against static discharge.

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P301+P310: IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P331: Do NOT induce vomiting.

P501: Dispose of contents and container to appropriate waste site or reclaimer in accordance with local and national regulations.

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Classification according to 67/548



Xn N

R10, R37, R51/53, R65, R66, R67
S2, S23, S24, S61, S62

3. COMPOSITION/INFORMATION ON INGREDIENTS

EG INDEX No. 649-356-00-4
EC (EINECS) No. 265-199-0
CAS-no. 64742-95-6

4. FIRST-AID MEASURES

INHALATION

Move the exposed person to fresh air at once. Get medical attention.

INGESTION

If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. If any of the following delayed signs and symptoms appear within the next 6 hours, transport to the nearest medical facility: fever greater than 38.3° C, shortness of breath, chest congestion or continued coughing or wheezing.

SKIN CONTACT

Remove contaminated clothing immediately and wash skin with soap and water. Get medical attention if any discomfort continues.

EYE CONTACT

Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyes wide apart. Get medical attention immediately. Continue to rinse.

Indication of any immediate medical attention and special treatment needed:

Potential for chemical pneumonitis. Call a doctor or poison control center for guidance. Causes central nervous system depression. Dermatitis may result from prolonged or repeated exposure.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog.

UNSUITABLE EXTINGUISHING MEDIA

Do not use water in a jet.

SPECIAL FIRE FIGHTING PROCEDURES

Dike and collect extinguishing water. Avoid water in straight hose stream; will scatter and spread fire.

SPECIFIC HAZARDS

Carbon monoxide may be evolved if incomplete combustion occurs. Will float and can be reignited on surface water. The vapour is heavier than air, spreads along the ground and distant ignition is possible.

PROTECTIVE MEASURES IN FIRE

Self contained breathing apparatus and full protective clothing must be worn in case of fire.

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6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS

Follow precautions for safe handling described in this safety data sheet. Avoid inhalation of spray mist and contact with skin and eyes. Take precautionary measures against static discharges. Provide adequate ventilation. For guidance on selection of personal protective equipment see Chapter 8 of this SDS.

ENVIRONMENTAL PRECAUTIONS

Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body. For guidance on disposal of spilled material see Chapter 13 of this SDS.

SPILL CLEAN UP METHODS

Absorb with inert, damp, non-combustible material, then flush area with water. Collect spillage in containers, seal securely and deliver for disposal according to local regulations.

7. HANDLING AND STORAGE

USAGE PRECAUTIONS

Avoid spilling, skin and eye contact. Eliminate all sources of ignition. Avoid inhalation of vapours and spray mists. Provide good ventilation. Keep away from heat, sparks and open flame.

STORAGE PRECAUTIONS

Keep containers tightly closed. Keep in original container. Keep away from heat, sparks and open flame.

STORAGE CLASS

Flammable liquid storage.

CONTAINER ADVICE

Containers, even those that have been emptied, can contain explosive vapours. Do not cut, drill, grind, weld or perform similar operations on or near containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

PROTECTIVE EQUIPMENT



ENGINEERING MEASURES

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours.

RESPIRATORY EQUIPMENT

If ventilation is insufficient, suitable respiratory protection must be provided. Select a filter suitable for organic gases and vapours [boiling point >65 °C (149 °F)] meeting EN14387.

HAND PROTECTION

Use protective gloves (Nitrile rubber). The most suitable glove must be chosen in consultation with the gloves supplier, who can inform about the breakthrough time of the glove material.

EYE PROTECTION

Wear approved safety goggles.

OTHER PROTECTION

Use protective clothing which is chemical resistant to this material. Safety shoes and boots should also be chemical resistant.

HYGIENE MEASURES

Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes wet or contaminated. Wash promptly with soap & water if skin becomes contaminated. Eating, smoking and water fountains prohibited in immediate work area.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Liquid		
Colour	Colourless		
Odour	Aromatic.		
Solubility	Insoluble in water		
Boiling Point (°C)	150 - 185	Bulk Density	876 kg/m ³
Vapour pressure	210 - 1300 Pa @ 20	Evaporation Rate	<1
Flash point (°C)	38 - 50	Auto Ignition Temperature (°C)	507
Flammability Limit	0.6 - 7 % (V)		
Volatile Organic Compound (VOC)	90%		

10. STABILITY AND REACTIVITY

STABILITY	Stable under normal temperature conditions and recommended use.
CONDITIONS TO AVOID	Avoid excessive heat for prolonged periods of time. Avoid heat, flames and other sources of ignition.
MATERIALS TO AVOID	Strong oxidising substances.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

ACUTE ORAL TOXICITY	May be harmful if swallowed. LD50 >2000 - <=5000 mg/kg , Rat
ACUTE DERMAL TOXICITY	Low toxicity: LD50 >2000 mg/kg , Rabbit
INHALATION	Vapours may irritate the respiratory system and cause coughing, asthmatic breathing and breathlessness.
INGESTION	Harmful: may cause lung damage if swallowed. May cause nausea, headache, dizziness and intoxication.
SKIN CONTACT	Irritating to skin. Prolonged contact may cause dryness of the skin.
EYE CONTACT	Irritating to eyes.

12. ECOLOGICAL INFORMATION

ECOTOXICITY	The product contains a substance which is toxic to aquatic organisms and which may cause long term adverse effects in the aquatic environment.
LC 50, 96 Hrs, FISH mg/l	1-10 mg/L
EC 50, 48 Hrs, DAPHNIA, mg/l	1-10 mg/L
IC 50, 72 Hrs, ALGAE, mg/l	1-10 mg/L
MOBILITY	The product is immiscible with water and will spread on the water surface.
BIOACCUMULATION	May accumulate in soil and water systems.
DEGRADABILITY	The product is easily biodegradable. The product is degraded completely by photochemical oxidation.

13. DISPOSAL CONSIDERATIONS

GENERAL INFORMATION	Do not puncture or incinerate even when empty. Waste is classified as hazardous waste. Disposal to licensed waste disposal site in accordance with the local Waste Disposal Authority.
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DISPOSAL METHODS

Dispose of waste and residues in accordance with local authority requirements.

14. TRANSPORT INFORMATION**ADR/RID :**

ADR/GGVSEB class: 3
UN-number: 1263
Pack. Group: III
Label: 3
Class name: Paint related materials.
Tunnel Restriction Code: D/E

IMDG:

IMDG-class: 3
UN-number: 1263
Label: 3
Pack. Group: III
EmS: F-E, S-E
Marine pollutant: No
Technical name: Paint related materials.

ICAO-TI and IATA-DGR:

ICAO/IATA-class: 3
UN/ID-number: 1263
Label: 3
Pack. Group: III
Technical name: Paint related materials.

15. REGULATORY INFORMATION**EU DIRECTIVES**

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

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16. OTHER INFORMATION

Relevant sentences

R 10: Flammable.

R 37: Irritating to respiratory system.

R51/53 Toxic to aquatic organisms; may cause long-term adverse effects in the aquatic environment.

R 65: Harmful: may cause lung damage if swallowed.

R 66: Repeated exposure may cause skin dryness or cracking.

R 67: Vapours may cause drowsiness and dizziness.

S2: Keep out of the reach of children.

S23: Do not breathe gas/fumes/vapour/spray (appropriate wording to be specified by the manufacturer)

S24: Avoid contact with skin.

S61: Avoid release to the environment. Refer to special instructions/safety data sheet.

S62: If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

CLP Hazard statements

H226: Flammable liquid and vapour.

H304: May be fatal if swallowed and enters airways.

H335: May cause respiratory irritation.

H336: May cause drowsiness or dizziness.

H411: Toxic to aquatic life with long lasting effects.

Abbreviations and Acronyms:

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals