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SAFETY DATA SHEET

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

Product name: CRYSTIC ACCELERATOR VE
Supplier: SCOTT BADER (PTY) LTD.
Emergency telephone number: (0)31 266 9035 (Chemical Co-ordinating Emergency Services)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation Cobalt/amine blended accelerator for vinyl ester and polyester resins.

Chemical Name	CAS-No	EEC-No	Class	Weight %
METHYL ALCOHOL	67-56-1	200-659-6	R11 R23 R24 R25 R39 S7 S16 S24 S36 S37 S45	>68
N,N-DIMETHYLANILINE	121-69-7	612-016-00-0	T; R23/24/25 R33 S1/2 S4 S13 S20 S46 S51	>10

3. HAZARDS/IDENTIFICATION

Most important hazards: Highly Flammable. Toxic.
Specific hazards: Toxic by inhalation, in contact with skin and if swallowed.
Danger of cumulative effects, irritating to eyes and skin.
May cause skin irritation. Dermatitis.
May cause central nervous system depression.
May be absorbed through the skin.
May cause kidney damage.
May cause respiratory and digestive tract irritation.
May be fatal or cause blindness if swallowed.
May cause fetal effects.
Causes severe eye irritation and possible injury.
Target Organs: Kidneys, central nervous system, eyes.

4. FIRST AID MEASURES

General advice:	Take off all contaminated clothing immediately. Show this safety data sheet to the doctor in attendance.
Inhalation:	Remove from exposure to fresh air immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid.
Skin contact:	Get medical aid. Flush skin with plenty of soap and water for at least 15 minutes while removing contaminated clothing and shoes.
Eye contact:	Flush eyes with plenty of water for at least 15 minutes, occasionally lifting the upper and lower lids. Get medical aid immediately.
Ingestion:	If victim is conscious and alert, give 2-4 cupfuls of milk or water. Never give anything by mouth to an unconscious person. Get medical aid immediately. Induce vomiting by giving one teaspoon of Syrup of Ipecac.
Notes to Physician:	Effects may be delayed. Ethanol may inhibit metabolism.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media:	Dry powder, carbon dioxide, water spray, alcohol-resistant foam.
Extinguishing media which must not be used for safety reasons:	None. Water may be ineffective.
Specific hazards:	Thermal decomposition can lead to release of irritating gases and vapours.
Special protective equipment for firefighters:	In the event of fire, wear self contained breathing apparatus.
Specific methods:	Standard procedure for chemical fires. Cool containers/tanks with water spray.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions:	Use personal protective equipment. Keep people away from and upwind of spill/leak.
Environmental precautions:	Do not let product enter drains. Avoid subsoil penetration.
Methods for cleaning up:	Soak up with inert absorbent material. Shovel into suitable container for disposal. After cleaning, flush away traces with water. Remove all sources of ignition. Provide ventilation. A vapour suppressing foam may be used to reduce vapours. Water spray may reduce vapour but may not prevent ignition in closed spaces.

7. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Use only in a well ventilated area.
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Ground and bond containers when transferring material. Empty containers retain product residue, (liquid and/or vapor), and can be dangerous.

Keep container tightly closed.

Avoid contact with heat, sparks and flame.

Avoid ingestion and inhalation.

Do not ingest or inhale.

Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks or open flames.

Storage:

Store below 30°C in closed original containers. Store in dark away from oxidising materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Chemical Name:

National occupational exposure limits:

METHYL ALCOHOL

MEL: 200ppm (8 hour ref. Period)

250ppm (15min, ref, Period)

N,N-DIMETHYLANILINE

OEL: 25mg/m³ (8 hour ref. Period)

50mg/m³ (15min ref. Period)

Can be absorbed through skin

Engineering measures to reduce exposure

Ensure adequate ventilation, especially in confined areas.

Personal protection equipment:

- **Respiratory protection:** In case of insufficient ventilation wear suitable respiratory equipment.
- **Hand protection:** PVC or other plastic material gloves.
- **Eye protection:** Wear appropriate protective eyeglasses or chemical safety goggles.
- **Skin and body protection:** Chemical resistant apron, protective suit, safety shoes/boots.
- **Hygiene measures:** Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	liquid.
Colour:	brownish purple
Odour:	Slight, alcoholic.
Flash point:	12°C
Solubility:	Miscible with water
Density:	0.8 approx

10. STABILITY AND REACTIVITY

Stability: Stable under normal temperatures and pressures.

Conditions to avoid: Do not freeze; High temperatures, ignition sources.

Materials to avoid: Acids (mineral, non-oxidizing, e.g. hydrochloric acid, hydrofluoric acid, muriatic acid, phosphoric acid), acids (mineral, oxidizing, e.g. chromic acid, hypochlorous acid, nitric acid, sulfuric acid), acids (organic, e.g. acetic acid, benzoic acid, formic acid, methanoic acid, oxalic acid), azo, diazo, and hydrazines (e.g. dimethyl hydrazine, hydrazine, methyl hydrazine), isocyanates (e.g. methyl isocyanate), metals (alkali and alkaline, e.g. cesium, potassium, sodium), nitrides (e.g. potassium nitride, sodium nitride), peroxides and hydroperoxides (organic, e.g. acetyl peroxide, benzoyl peroxide, butyl peroxide, methyl ethyl ketone peroxide), epoxides (e.g. butyl glycidyl ether), oxidizing agents (strong, e.g. bromine, hydrogen peroxide, nitrogen dioxide, potassium nitrate), reducing agents (strong, e.g. aluminum carbide, chlorosilane, hydrogen phosphide, lithium hydride), water reactive substances (e.g. acetic anyhdride, alkyl aluminum chloride, calcium carbide, ethyl dichlorosilane)

Hazardous decomposition products: Carbon monoxide, carbon dioxide, formaldehyde. Thermal decomposition can lead to release of irritating gases and vapours.

11. TOXICOLOGICAL INFORMATION

No information available.

12. ECOLOGICAL INFORMATION

No information available.

13. DISPOSAL CONSIDERATIONS

Waste from residues/unused products:

Dispose of as special waste in compliance with local and national regulations.

Contaminated packaging:

Empty containers. Empty containers should be taken for local recycling, recovery or waste disposal.

14. TRANSPORT INFORMATION.

UN-No: 2929

Marine pollutant: Yes.

ADR/RID

Class: 6.1

Item:

TREM-CARD: 61GTF1-II

HI/UN No: 63/2929

Proper shipping name:

Toxic liquid, Highly Flammable, n.o.s.

IMO

Class: 6.1

IMDG Page:

EmS: 6.1-01

MFAG:

Proper shipping name: Toxic liquid, Flammable, n.o.s.

ICAO:

Class: 6.1

UN/ID No: 2929

Proper shipping name: Toxic liquid, Flammable, n.o.s.

15. REGULATORY INFORMATION.

Classification according to European directive on classification of hazardous preparations
90/492/EC

- Contains: Methyl Alcohol
N,N-Dimethylaniline

- Symbol(s):



T – Toxic

F- Highly Flammable

R-phrase(s): R11 – Highly Flammable.
R23/24/25 – Toxic by inhalation, in contact with skin and if swallowed
R33 – Danger of cumulative effects.
R39 – Danger of very serious irreversible effects.

S-phrase(s): T- Toxic
S1/2 – Keep locked-up and out of reach of children.
S4 – Keep away from living quarters
S7 – Keep container tightly closed
S13 – Keep away from food, drink and animal feeding stuffs.
S20 – When using do not eat or drink
S24/25 – Avoid contact with skin and eyes.
S26 – In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36 – This material and its container must be disposed of in a safe way
S36/37 – Wear suitable protective clothing and gloves
S45 – In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)
S46 – If swallowed, seek medical advice immediately and show this container or label.
S51- Use only in well ventilated areas.

16. OTHER INFORMATION.

The information provided in this 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 not specified in the text.