

IMTECH

Wear & Abrasion Resistant Products

IDENTIFICATION

PRODUCT NAME:

Material Use:
Date of MSDS:

IMTECH STR PVC CEMENT

Use for cold vulcanization of PVC products
10/24/00

DISTRIBUTOR INFORMATION

Distributor:
Address:

IMTECH
18620 NE San Rafael
Portland, OR 97230
Phone: 503-618-1066
Fax: 503-618-8445
800-255-3924

EMERGENCY TELEPHONE NO:

MATERIAL SAFETY DATA SHEET

SECTION 01: PRODUCT INFORMATION

Trade Name:
Material Use:

IMTECH STR 2100 PVC CEMENT
Use for cold vulcanization of PVC products

SECTION 02: CHEMICAL COMPOSITION

Chemical Name	CAS Number	%	EC Number	UN Number	UINECS Number
Butanon (Methyl ethyl ketone)	78-93-3	78%	606-002-00-03	1193	2011590
Polyurethane	9068-94-4 108-88-3	20.5%	601-021-00-3		

Other: Resins

SECTION 03: HAZARDS IDENTIFICATION

Critical hazards:

Highly flammable. Irritating to eyes and respiratory system.

SECTION 04: FIRST AID MEASURES

If the patient is likely to become unconscious, place and transport in stable sideways position.

INHALATION:

Remove to fresh air. If breathing is difficult or other symptoms persist, get medical attention.

SKIN CONTACT:

Remove contaminated clothing. Wash affected area with plenty of water and soap, use lotion. Seek medical attention if irritation occurs or persists.

EYE CONTACT:

In case of eye contact, immediately flush eyes with large amounts of water until irritation subsides. Get medical attention preferably by an eye specialist.

INGESTION:

If swallowed, allow water to be drunk. Do not induce vomiting. Get medical attention immediately.

SECTION 05: FIRE FIGHTING MEASURES

SUITABLE EXTINGUISHING MEDIA:

Water mist, foam, carbon dioxide, dry powder, dry sand.

SECTION 06: ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS:

Ensure adequate ventilation. Keep away sources of ignition.

SPILL RESPONSE:

Collect liquid in an appropriate container or absorb with an inert material (for example, sand earth, vermiculite, chemical binder based on calcium silicate hydrate) and place in a chemical waste container. Do not use combustible materials, such as sawdust. Do not flush to sewer!

SECTION 07: HANDLING AND STORAGE

HANDLING REQUIREMENTS:

Provide good room ventilation

STORAGE REQUIREMENTS:

Remove all sources of ignition, do not smoke. Keep away from sources of heat and ignition.

Store in a cool and dry place. Keep container in a well-ventilated area.

USE INSTRUCTIONS:

During use, ensure efficient exhaust ventilation in the work area.

SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION

TYPE AND ORIGIN:

MAK Maximum work place concentration

CAS NUMBER

78-93-3

MARKINGS

2- Butanon

LIMIT VALUE

200 ml/m³, 590 mg/m³

EXTREME VALUE LIMIT CATEGORY

II, I

TERATOGENIC (HARMFUL EFFECTS ON DEVELOPMENT) RE:

MATC GROUP

D

PERSONAL PROTECTIVE EQUIPMENT

General protective measures.

Do not inhale vapors.

Wash hands before breaks and after work.

Remove soiled or soaked clothing immediately. Do not eat, drink or smoke while using product.

RESPIRATORY PROTECTION:

Respiratory protection required at inadequately ventilated workplaces or in cases of prolonged exposure.

HAND PROTECTION:

Wear solvent resistant rubber gloves.

EYE PROTECTION:

Wear tight fitting safety goggles.

BODY PROTECTION

Wear protective clothing, as appropriate, to prevent skin contact.

SECTION 09: PHYSICAL AND CHEMICAL CHARACTERISTICS

PHYSICAL STATE:

Liquid

APPEARANCE:

Transparent

ODOR:

Characteristic

DENSITY:

Approx. 0.84049 g/cm³ @ 20°C

FLASH POINT:

-14° C

IGNITION TEMPERATURE:

514° C

MELTING POINT:

-87° C

BOILING RANGE:

75 to 85° C at 1013 hPa

LOWER EXPLOSION LIMIT:

1.8% volume

UPPER EXPLOSION LIMIT:

11.5% volume

VAPOR PRESSURE:

Approx. 32.4 mbar @ 0° C

SOLUBILITY IN WATER:

292 G/L AT 20° C

SOLUBILITY/QUALITATIVE

Soluble in most organic solvents

SECTION 10: STABILITY AND REACTIVITY

THERMAL DECOMPOSITION:

At normal pressure may be distilled without decomposition.

Formation of explosive gas/air mixtures.

HAZARDOUS REACTIONS:

SECTION 11: TOXICOLOGICAL PROPERTIES

ACUTE ORAL TOXICITY (LD50)

2737 mg/kg

SPECIES:

Rat

SOURCE:

RTECS

ACUTE INHALATION TOXICITY (LC50)

40 mg/l

DURATION OF EXPOSURE

2 hours

SPECIES:

Mouse

SOURCE:

RTECS

IRRITANT EFFECT ON SKIN

Irritant

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DURATION OF EXPOSURE

24 hours

SPECIES:

Rabbit

SOURCE:

RTECS

REMARKS

Solvent removes oil from the skin. Solvent vapors have a narcotic effect if inhaled in high concentrations. Irritates the respiratory organs.

SECTION 12: ECOLOGICAL INFORMATION

REMARKS

Because of harmful effects on water organisms, this product should not be introduced into drains.

SECTION 13: DISPOSAL CONSIDERATION

WASTE DISPOSAL:

In accordance with regulations for special waste, must be taken to an authorized special waste incineration plant.

SECTION 14: TRANSPORTATION INFORMATION

ROAD TRANSPORT

ADR

3/3 b

GGVS

3/3 b

RID

3/3 b

GGVE

3/3 b

PRODUCT CHARACTERISTIC OF THE SOLVENT

Methylethylketone

HAZARD NUMBER

33

SUBSTANCE NUMBER

1133

MARINE TRANSPORT

IMDG CODE

3.2/1133/I I

EmS

3-05

MFAG

330

CORRECT TECHNICAL NAME

Ethyl Methyl Ketone

AIR TRANSPORT

ICAO/IATA-DGR

3/1133/I I

CORRECT TECHNICAL NAME

Ethyl Methyl Ketone

SECTION 15: REGULATORY INFORMATION

HMIS CLASSIFICATION:

HAZARD SYMBOLS

F Highly Flammable
Xi Irritant

R PHRASES

11

Highly flammable

36/37

Irritating to eyes and respiratory system

S PHRASES

9

Keep container in a well-ventilated place.

16

Keep away from sources of ignition... No Smoking.

25

Avoid contact with eyes

33

Take precautionary measures against static discharges.

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SECTION 16: OTHER INFORMATION

The regulatory information given above only indicates the principal regulation specifically applicable to the product described in the Safety Data Sheet. The user's attention is drawn to the possible existence of additional provisions, which complete these regulations. Refer to all applicable national, international and local regulations or provisions.

Suitable precautionary measures must be taken to ensure that the applicable exposure limits are met in the working area and impairment of health is avoided. Required industrial safety measures, including effective ventilation and exhaust ventilation in the working area must comply with the existing accident prevention rules.

All components of this product are listed in the European Inventory of Existing Commercial Substances (EINECS) under the provisions laid down in the corresponding EEC-Directive.

This information is based on our present state of knowledge. It should not therefore be construed as guaranteeing specific properties of the products described or their suitability for a particular application. Our technical advice – whether verbal, in writing or by the way of trials – is given in good faith but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses.

The applications, use and processing of the products are beyond our control, and therefore, entirely your own responsibility. If, in spite of this, liability should be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality within the scope of our General Conditions of Sale and Delivery.

PREPARED BY:

RAM Enterprise, Inc.
18620 NE San Rafael
Portland, OR 97230

TELEPHONE NUMBER:

503-618-1066

DISCLAIMER:

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Manufactured by TRS International GMBH