



Gromax Enterprises Corp.

17335 Daimler Street, Irvine , CA 92614

Toll: 800-343-3508 Tel: 949-833-1199 Fax: 949-833-0099

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MATERIAL SAFETY DATA SHEET

RICHVIN 783

Revision Date: 2012/01/08

1. Identification of the Substance/Preparation and the Company/Undertaking

Chemical characterization POLY[[6-1,1,3,3-TETRAMETHYLBUTYL]AMINO]1,3,5-TRIAZINE-2,4-DIYL][(2,2,6,6,-TETRAMETHYL-4-PIPERIDINYL)IMINO)-1,6-HEXANEDIYL[2,2,6,6-TETRAMETHYL-4-PIPERIDINYL]IMINO]] BUTANEDIOIC ACID, DIMETHYLESTER, POLYMER WITH 4-HYDROXY-2,2,6,6-TETRAMETHYL-1-PIPERIDINE ETHANOL

CAS Number 70624-18-9(71878-19-8) AND 65447-77-0

Producer/Supplier RICH YU CHEMICAL CO., LTD.
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NAN KANG INDUSTRIAL ZONE,
NAN TOAU CITY, TAIWAN..
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2. Composition/ Information on Ingredients

TRADE NAME : RICHVIN 783

CAS NO : 70624-18-9(71878-19-8) and 65447-77-0,

COMPOSITION=45-55Weight%(CAS NO.70624-18-9):45-55Weight%(CAS NO.65447-77-0)

Total =100%

MOLECULAR WEIGHT(Mn):2000-4000

3. Hazards Identification

eye irritant ;may cause skin and respiratory tract irritation; may leave bitter metallic taste in mouth if inhaled or ingested.

4. First Aid Measures

Skin contact

Wash off with soap and plenty of water. Do not use organic solvents.

Eye contact

Rinse immediately with plenty of water for at least 15 minutes. In case of eye irritation, seek medical attention.

Inhalation

Move to fresh air. In case of prolonged exposure, seek medical attention. In case of indisposition, seek medical attention. In case of irritation of respiratory system or mucous membranes, seek medical attention.

Ingestion

Immediately give plenty (>2000ml) of water (if possible charcoal slurry) . In case of spontaneous vomiting should be sure that vomitus can freely drain due of danger suffocation. Give water repeatedly . Artificial induction of vomiting should be restricted to first aid staff. Seek medical advice .

5. Fire-Fighting Measures

Suitable extinguishing media

Water spray, Carbon dioxide(CO2),Foam, Dry powder

Extinguishing media which must not be used for safety reasons

High volume water jet

Exposure hazards

Contaminated water from fire hoses or sprinklers, etc., must be prevented from draining into watercourses, sewers , or the ground water. Sufficient measures must be taken to retain water used for extinguishing. Contaminated water and soil

must be disposed of in conformity with local regulations.



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Special protective equipment for firefighters

Wear full protective clothing. Wear self-contained breathing apparatus.

Hazardous decomposition products

Oxides of carbon, oxides of nitrogen (NOx), Toxic gases/vapors

6. Accidental Release Measures

Personal precautions

Do not breathe vapors/dust. Remove all sources of ignition. Avoid contact with skin, eyes and clothing.

Environmental precautions

Do not flush into surface water, sanitary sewer or ground water system.

Methods for cleaning up

Use mechanical handling equipment. Collect spilled product into suitable containers, which must be tightly sealed and properly labeled. Avoid dust formation.

7. Handling and Storage

Handling

Avoid dust formation and ignition sources. Ensure good local exhaust ventilation. Do not eat, drink or smoke at the workplace.

Danger! Explosion risk. Risk of explosion if an air-dust mixture forms. Avoid creation dusty conditions. Empty only into earthed or use a system otherwise designed to prevent or contain an explosion—seek expert advice.

SHELF LIFE: 1 years minimum in sealed containers protected from light and air. Store at dry and cool place.

8. Exposure Controls/ Personal Protection

Exposure limit(s)

Value not tested

Technical measures/ Precautions

No special precautions required.

Respiratory protection

Effective dust mask

Hand protection

Protective gloves

Eye protection

Suitable goggles or face protection

Skin and body protection

Working clothes , closed footwear

9. Physical and Chemical Properties

Form	FREE FLOWING GRANULE POWDER
Colour	SLIGHT YELLOW to WHITE
Odour	SLIGHT
Boiling/ temperature	N/A
Density	1.0-1.2g/cm ³ @25°C
Flash point	>192°C ,
Melting point	55-140°C
Ignition Temperature	not tested
Oxidising properties	not tested
Self-ignition temperature	not tested
Water solubility	<0.01wt% in water @ 20°C



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Vapour pressure	<0.00001mmHg (20°C)
Partition coefficient; Log Pow	not tested
PH-value	not tested
Explosive properties	not tested

10.Stability and Reactivity

Decomposition temperature	>350 °C
Condition to avoid	Static discharges .
Materials to avoid	Strong acids, strong bases and Strong oxidizing agents.
Hazardous decomposition products	Oxides of carbon , Oxides of Phosphorus , Oxides of nitrogen (Nox), Toxic gases/vapours

11.Toxicological Information

Acute oral toxicity	LD50 >2000mg/kg	
Rat		conventional method
Acute dermal	not irritant	
Irritation/corrosion		conventional method
Rabbit		EED 88/379
Acute eye irritation/corrosion	not irritant	
Rabbit		conventional method

12.Ecological Information

Ecotoxic effects-BOD

MODIFIED STURM TEST: not biodegradable, 2-10% in 28 days.

FISH TOXICITY: ZEBRA FISH, LC50 96H: >100ppm

Do not discharge product unmonitored into the environment

13.Disposal Considerations

Waste from residues/unused products

Residual chemical be disposed by incineration or by other modes of disposal in compliance with local legislation

Contaminated packaging

Contaminated packaging material should be treated equivalent to residual chemical. Clean packaging material should be subjected to waste management (recovery recycling, reuse) according to local legislation.

14.TRANSPORTATION INFORMATION

DOT proper shipping name:

NOT REGULATED AS A HAZARDOUS MATERIAL BY THE U.S. dept. of transportation(DOT)49 CFR
172.101 HAZADOUS MATERIAL TABLE.

LAND TRANSPORT ADR/RID : No classification assigned.

AIR TRANSPORT IATA/ICAO: NO classification assigned.

MARITIME TRANSPORT TMDG :No classification assigned.



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15. REGULATORY INFORMATION

International Regulations: This material(or each component)is listed on the following inventories:

Australia-AICS.

Canada-DSL.

EU-EINECS(Monomers Listed).

Korea-ECL.

Philippines-PICCS.

China-List I.

U.S. Federal Regulations: the components of this product are either on the TSCA Inventory or exempt(i.e. impurities,a polymer complying with the exemption rule at 40CFR723.250)from the Inventory.

Both of the components are complying with U.S. A. F.D.A. Regulations:21CFR178.2010.

16. OTHERS

The information in this MSDS was obtained from sources which we believe are reliable . **HOWEVER , THE INFORMATION IS PROVIDED WITHOUT ANY WARRANTY , EXPRESS OR IMPLICATION , REGARDING ITS CORRECTNESS.** The conditions or methods of handling , storage , use , and disposal of the Product are beyond our control and may be beyond our knowledge.**FOR TH IS AND OTHER REASONS ,WE DO NOT ASSUME RESPONSIBILITY , AND EXPRESS DISCLAIM LIABILITY FOR LOSS , DAMAGE ,OR EXPENSE ARISING OUT OF OR IN ANY WAY CONNECTED WITH THE HANDLING ,STORAGE ,USE OR DISPOSAL OF THE PRODUCT .** This MSDS was prepared and is to be used only for this product . If the product is used as a component in another product , this MSDS information may not be applicble.