# MINERALS TECHNOLOGIES CETCO A Maria Manipulari Crassy

# SAFETY DATA SHEET

## 1. Identification

Product identifier RM-10® LMR1

Other means of identification None.

Recommended use Not available.
Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Manufacturer

Company name CETCO Energy Services Company, an MTI Company

Address 2870 Fords Avenue

Hoffman Estates Covington, IL 60192 United States

TelephoneGeneral Information985 871-4700Websitehttp://www.cetcoenergyservices.com/

E-mail safetydata@mineralstech.com

**Emergency phone number** Emergency 1.866.519.4752/1 760 476 3962

Americas 1.866.519.4752 (US, Canada, Mexico) 1 760 476 3962 Access Code 333562

## 2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Acute toxicity, dermal Category 4

Acute toxicity, inhalation Category 4
Skin corrosion/irritation Category 2
Serious eye damage/eye irritation Category 2A

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements



Signal word Warning

Harmful in contact with skin. Causes skin irritation. Causes serious eye irritation. Harmful if

inhaled.

**Precautionary statement** 

Prevention Wear eye/face protection. Avoid breathing vapors. Wash thoroughly after handling. Use only

outdoors or in a well-ventilated area. Wear protective gloves/protective clothing.

Response If on skin: Wash with plenty of water/. If inhaled: Remove person to fresh air and keep

comfortable for breathing. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a poison center/doctor// if you feel

unwell. Specific treatment (see on this label). If skin irritation occurs: Get medical

advice/attention. If eye irritation persists: Get medical advice/attention. Take off contaminated

clothing and wash before reuse.

**Storage** Store away from incompatible materials.

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

Hazard(s) not otherwise

classified (HNOC)

None known.

Supplemental information None.

Material name: RM-10® LMR1 sps us

#### 3. Composition/information on ingredients

#### **Mixtures**

Chemical name	Common name and synonyms	CAS number	%
SODIUM DIMETHYLDITHIOCARBAMATE		128-04-1	50 - < 60
Other components below reportal	ole levels		50 - < 60

<sup>\*</sup>Designates that a specific chemical identity and/or percentage of composition has been withheld as a trade secret.

**Composition comments** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### 4. First-aid measures

Inhalation Remove victim to fresh air and keep at rest in a position comfortable for breathing. If symptoms are

experienced, remove source of contamination or move victim to fresh air. Oxygen or artificial

respiration if needed. Call a POISON CENTER or doctor/physician if you feel unwell.

Immediately flush skin with running water for at least 20 minutes. Remove contaminated clothing. Skin contact

Get medical attention if irritation develops or persists. Get medical advice/attention if you feel unwell. If skin irritation occurs: Get medical advice/attention. Wash contaminated clothing before

reuse. Launder contaminated clothing before reuse.

vision. Skin irritation. May cause redness and pain.

Eye contact Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if

present and easy to do. Continue rinsing. Get medical attention if irritation develops and persists.

Call a physician or Poison Control Center immediately. Rinse mouth. Get medical advice/attention

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

if you feel unwell.

Most important

symptoms/effects, acute and

delayed Indication of immediate

Provide general supportive measures and treat symptomatically. Keep victim warm. Keep victim under observation. Symptoms may be delayed.

medical attention and special treatment needed **General information** 

Ensure that medical personnel are aware of the material(s) involved, and take precautions to

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH

Use standard firefighting procedures and consider the hazards of other involved materials.

protect themselves. Show this safety data sheet to the doctor in attendance.

# 5. Fire-fighting measures

Suitable extinguishing media

Unsuitable extinguishing

media

Ingestion

Dry chemical, CO2, water spray or regular foam.

Do not use water jet as an extinguisher, as this will spread the fire.

Specific hazards arising from the chemical

Special protective equipment

During fire, gases hazardous to health may be formed.

and precautions for firefighters

(approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk.

Fire fighting

equipment/instructions

Specific methods

General fire hazards Not a fire hazard. No unusual fire or explosion hazards noted.

## 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Keep unnecessary personnel away. Wear appropriate protective equipment and clothing during clean-up. Avoid inhalation of vapors and spray mists. Do not touch or walk through spilled material. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained.

Methods and materials for containment and cleaning up Prevent entry into waterways, sewers, basements or confined areas. This material is classified as a water pollutant under the Clean Water Act and should be prevented from contaminating soil or from entering sewage and drainage systems which lead to waterways. Stop leak if you can do so without risk. Dike far ahead of spill for later disposal. After removal flush contaminated area thoroughly with water. Retain all contaminated water for removal and treatment. Following product recovery, flush area with water.

Never return spills to original containers for re-use. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container.

#### **Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Avoid discharge into drains, water courses or onto the ground. Do not flush into surface water or sanitary sewer system. Runoff from fire control or dilution water may cause pollution.

Material name: RM-10® LMR1 SDS US

#### 7. Handling and storage

**Precautions for safe handling** Use this product with adequate ventilation. Do not get this material in your eyes, on your skin, or

on your clothing. Avoid inhalation of vapors and spray mists. Avoid contact with eyes, skin, and clothing. When using, do not eat, drink or smoke. Use only outdoors or in a well-ventilated area. Wear appropriate personal protective equipment. Wash thoroughly after handling. Avoid release to the environment. Wash contaminated clothing before reuse. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep containers tightly closed in a dry, cool and well-ventilated place. Keep this material away from food, drink and animal feed. Keep out of the reach of children. Keep only in original container.

#### 8. Exposure controls/personal protection

Occupational exposure limits

This mixture has no ingredients that have PEL, TLV, or other recommended exposure limit.

**Biological limit values** 

No biological exposure limits noted for the ingredient(s).

Exposure guidelines
Appropriate engineering

Contains no substances with occupational exposure limit values.

controls

Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Ensure adequate ventilation, especially in confined areas. Eye wash facilities and emergency shower must be available when handling this product. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

## Individual protection measures, such as personal protective equipment

Eye/face protection

Wear chemical goggles.

Skin protection

Hand protection Wear appropriate chemical resistant gloves. Suitable gloves can be recommended by the glove

supplier.

Other

Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended. The use of natural rubber gloves is recommended. Use of protective coveralls and long sleeves is

recommended.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Chemical respirator with organic vapor cartridge. If ventilation is not sufficient to effectively prevent buildup of aerosols or mists, appropriate NIOSH/MSHA respiratory protection must be provided.

**Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

General hygiene considerations

**Odor threshold** 

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Use good industrial hygiene practices in handling this material.

## 9. Physical and chemical properties

Appearance Clear.
Physical state Liquid.

Form Liquid.

Color Yellow to green.

Odor Ammoniacal.

**pH** 10 - 12

Melting point/freezing point  $-8.86 \,^{\circ}\text{F} \,(-22.7 \,^{\circ}\text{C})$ Initial boiling point and boiling  $> 212 \,^{\circ}\text{F} \,(> 100 \,^{\circ}\text{C})$ 

range

Flash point Not available.

Evaporation rate Not available.

Flammability (solid, gas) Not applicable.

Upper/lower flammability or explosive limits

Flammability limit - lower

Not available.

Not available.

Flammability limit - upper

Not available.

(%)

Material name: RM-10® LMR1 SDS US

Explosive limit - lower (%) Not available.

Explosive limit - upper (%) Not available.

Vapor pressure 0.00001 hPa estimated

Vapor densityNot available.Relative densityNot available.

Solubility(ies)

Solubility (water) 100 %

Partition coefficient (n-octanol/water)

Not available.

Auto-ignition temperature

Decomposition temperature

Not available.

Viscosity

Not available.

Other information

Explosive properties

Oxidizing properties

Not explosive.

Not oxidizing.

Specific gravity

1.16 - 1.19

VOC

CARB

# 10. Stability and reactivity

**Reactivity**The product is stable and non-reactive under normal conditions of use, storage and transport.

Chemical stability Stable at normal conditions.

Possibility of hazardous

reactions

Hazardous polymerization does not occur. Will not occur.

Conditions to avoid High temperatures. Contact with incompatible materials.

Incompatible materials Peroxides. This product may react with strong acids.

**Hazardous decomposition** 

products

Irritating and/or toxic fumes and gases may be emitted upon the products decomposition.

# 11. Toxicological information

#### Information on likely routes of exposure

**Inhalation** Harmful if inhaled.

**Skin contact** Harmful in contact with skin. Causes skin irritation.

**Eve contact** Causes serious eye irritation.

**Ingestion** Expected to be a low ingestion hazard.

Symptoms related to the physical, chemical and toxicological characteristics

Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred

vision. Skin irritation. May cause redness and pain.

#### Information on toxicological effects

Acute toxicity In high concentrations, vapors are anesthetic and may cause headache, fatigue, dizziness and

central nervous system effects. Harmful if inhaled. Harmful in contact with skin.

Product	Species	Test Results
RM-10® LMR1		
<u>Acute</u>		
Dermal		
LD50	Rabbit	1150 mg/kg
Inhalation		
LC50	Rat	>= 3.9  mg/l/4h
Oral		
LD50	Rat	2000 mg/kg

Material name: RM-10® LMR1 sps us

Components Species Test Results

SODIUM DIMETHYLDITHIOCARBAMATE (CAS 128-04-1)

<u>Acute</u>

**Dermal** 

LD50 Rat 5000.0001 mg/kg

Oral

LD50 Rat 1000 mg/kg

**Skin corrosion/irritation** Causes skin irritation.

Serious eye damage/eye

Causes serious eve irritation.

irritation

Respiratory or skin sensitization

**Respiratory sensitization** Not a respiratory sensitizer.

**Skin sensitization** This product is not expected to cause skin sensitization.

Germ cell mutagenicity Experiments showed mutagenic effects in cultured bacterial cells.

Carcinogenicity This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA. Not listed by

ACGIH, IARC, NIOSH, NTP OR OSHA.

## IARC Monographs. Overall Evaluation of Carcinogenicity

Not listed.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

#### **US. National Toxicology Program (NTP) Report on Carcinogens**

Not listed.

**Reproductive toxicity**This product is not expected to cause reproductive or developmental effects.

Specific target organ toxicity -

single exposure

Not classified.

Specific target organ toxicity -

repeated exposure

Not classified.

**Aspiration hazard** Not an aspiration hazard.

# 12. Ecological information

**Ecotoxicity** In high concentrations, this product may be dangerous to aquatic life and fouling to shorelines.

Components		Species	Test Results	
SODIUM DIMETHYLD	OITHIOCARBAMAT	E (CAS 128-04-1)		
Aquatic				
Crustacea	EC50	Daphnia	0.2 mg/L, 48 Hours	
Fish	LC50	Fish	2.6 mg/L, 96 Hours	
		Guppy (Poecilia reticulata)	2.1 - 3.2 mg/l, 96 hours	

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Persistence and degradability No data is available on the degradability of this product.

Bioaccumulative potential No data available.

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation

potential, endocrine disruption, global warming potential) are expected from this component.

#### 13. Disposal considerations

**Disposal instructions**Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow

this material to drain into sewers/water supplies. Dispose of contents/container in accordance with

local/regional/national/international regulations.

**Local disposal regulations** Dispose in accordance with all applicable regulations.

Hazardous waste code The waste code should be assigned in discussion between the user, the producer and the waste

disposal company.

Material name: RM-10® LMR1 SDS US

<sup>\*</sup> Estimates for product may be based on additional component data not shown.

Waste from residues / unused

products

Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see:

Disposal instructions).

Contaminated packaging

Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or

disposal.

## 14. Transport information

DOT

UN3082 **UN number** 

Environmentally hazardous substances, liquid, n.o.s. (SODIUM **UN proper shipping name** 

DIMETHYLDITHIOCARBAMATE), MARINE POLLUTANT

Transport hazard class(es)

Class 9 Subsidiary risk 9 Label(s) Ш Packing group **Environmental hazards** 

> Marine pollutant Yes

Special precautions for user Not available.

Special provisions 8, 146, 335, IB3, T4, TP1, TP29

Packaging exceptions 155 Packaging non bulk 203 Packaging bulk 241

**IATA** 

UN3082 **UN number** 

Environmentally hazardous substance, liquid, n.o.s. (SODIUM DIMETHYLDITHIOCARBAMATE) UN proper shipping name

Transport hazard class(es)

9 Class Subsidiary risk Ш Packing group **Environmental hazards** Yes **ERG Code** 91

Special precautions for user Not available.

Other information

Passenger and cargo

aircraft

Allowed with restrictions.

Not established.

Cargo aircraft only

Allowed with restrictions.

**IMDG** 

**UN number** UN3082

ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (SODIUM UN proper shipping name

DIMETHYLDITHIOCARBAMATE), MARINE POLLUTANT

Transport hazard class(es)

Class 9 Subsidiary risk 9 Label(s) **Packing group** Ш

**Environmental hazards** 

Yes Marine pollutant

**EmS** Not available. Special precautions for user Not available.

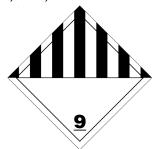
Transport in bulk according to Annex II of MARPOL 73/78 and

Material name: RM-10® LMR1

the IBC Code

4511 Version #: 14 Revision date: 06-April-2018 Issue date: 17-March-2015

DOT; IATA; IMDG



#### Marine pollutant



**General information** 

IMDG Regulated Marine Pollutant. DOT Regulated Marine Pollutant.

## 15. Regulatory information

**US federal regulations** 

OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly

Hazardous Process Safety Standard, 29 CFR 1910.119.

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication

Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

CERCLA/SARA Hazardous Substances - Not applicable.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

**CERCLA Hazardous Substance List (40 CFR 302.4)** 

Not listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1052)

Not regulated.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous

No (Exempt)

chemical

SARA 313 (TRI reporting)

Chemical name	CAS number	% by wt.	
SODIUM DIMETHYLDITHIOCARBAMATE	128-04-1	50 - < 60	

## Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act

Not regulated.

(SDWA)

**US** state regulations

WARNING: This product contains a chemical known to the State of California to cause birth defects or other reproductive harm. WARNING: This product contains a chemical known to the

State of California to cause birth defects or other reproductive harm.

Material name: RM-10® LMR1 SDS US

## **California Proposition 65**



WARNING: WARNING: This product contains a chemical known to the State of California to cause birth

defects or other reproductive harm.

### California Proposition 65 - CRT: Listed date/Developmental toxin

SODIUM DIMETHYLDITHIOCARBAMATE (CAS Listed: March 30, 1999

128-04-1)

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

SODIUM DIMETHYLDITHIOCARBAMATE (CAS 128-04-1)

#### International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Toxic Chemical Substances (TCS)	No

Taiwan Toxic Chemical Substances (TCS)

# 16. Other information, including date of preparation or last revision

Issue date 17-March-2015 **Revision date** 06-April-2018

Version # 14

This safety datasheet only contains information relating to safety and does not replace any product **Further information** 

information or product specification. HMIS® is a registered trade and service mark of the NPCA.

**HMIS®** ratings Health: 2

Flammability: 0 Physical hazard: 0

Health: 2 **NFPA** ratings

Flammability: 0 Instability: 0

Material name: RM-10® LMR1 SDS US

United States & Puerto Rico Toxic Substances Control Act (TSCA) Inventory Yes \*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

#### **Disclaimer**

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 manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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Material name: RM-10® LMR1 SDS US