

# SAFETY DATA SHEET

cooling system stop leak



## SECTION 1. PRODUCT INFORMATION

**Product Name:** cooling system stop leak

**Product USE:** Raditor stop leak

## SECTION 2. HAZARDS IDENTIFICATION

OTHER DANGERS

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

### INFORMATION ON INGREDIENTS

NAME	CAS NO	EINICS/ELINCS	MIN/MAX	SYMBOL	R-PHRASES
3,3'-methylenebis [5-methyl-oxazolidine]	66204-44-2	266-235-8	0.05 < C < 0.1 %	C	R21/22, R34, R52

## SECTION 4. FIRST AID MEASURES

### IN GENERAL

Check the vital functions  
Unconscious: maintain adequate airway and respiration  
Respiratory arrest: artificial respiration or oxygen  
Cardiac arrest: perform resuscitation  
Victim conscious with laboured breathing: half-seated  
Victim in shock: on his back with legs slightly raised  
Vomiting: prevent asphyxia/aspiration pneumonia  
Prevent cooling by covering the victim (no warming up)  
Keep watching the victim  
Give psychological aid  
Keep the victim calm, avoid physical strain  
Depending on the victim's condition: doctor/hospital

### INHALATION

Remove the victim into fresh air

### SKIN

Wash immediately with lots of water (15 minutes)/shower  
Soap may be used  
Take victim to a doctor if irritation persists

### EYES

Rinse immediately with plenty of water for 15 minutes  
Take victim to an ophtalmologist if irritation persists

## INGESTION

Rinse mouth with water  
Do not induce vomiting  
Ingestion of large quantities: immediately to hospital

## SECTION 5. FIRE FIGHTING MEASURES

### EXTINGUISH. AGENTS-FIRE FIGHTING INSTR.

FIRE EXTINGUISHING MEDIA  
All extinguishing media allowed

### FIRE HAZARD

No fire hazard

### EXPLOSION HAZARD

no explosion hazard

### SPECIAL PROTECTIVE EQUIPMENT FOR FIRE FIGHTERS

## SECTION 6. ACCIDENTAL RELEASE MEASURES

### PERSONAL PROTECTION

Safety glasses

### GENERAL MEASURES

Mark the danger area - No naked flames - Wash contaminated clothes -  
Prevent soil and water pollution

### LEAK

Contain released substance, pump over in suitable containers  
Plug the leak, cut off the supply

### DISPOSAL

Take up liquid spill into a non combustible material e.g.: sand, earth,  
vermiculite  
Scoop absorbed substance into closing containers  
Clean contaminated surfaces with an excess of water  
Wash clothing and equipment after handling

## SECTION 7. HANDLING AND STORAGE

### HANDLING THE PRODUCT

Comply with the legal requirements  
Measure the concentration in the air regularly  
Carry operations in the open/under local exhaust/ventilation or with respiratory protection  
Observe normal hygiene standards  
Clean contaminated clothing  
Keep container tightly closed  
Keep away from naked flames/heat

## STORAGE

*STORAGE AREA* Ventilation at floor level - Meet the legal requirements - Protect against frost

## CONTAINERS

*CONTAINERS : REQUIREMENTS* closing  
correctly labelled  
meet the legal requirements  
Secure fragile packagings in solid containers

## SPECIFIC APPLICATIONS

### SECTION 8. EXPOSURE CONTROLS, PERSONAL PROTECTION

#### VME/VLE

PRODUCT NAME	VME (PPM)	VME (MG/M <sup>3</sup> )	VLE (PPM)	VLE (MG/M <sup>3</sup> )
Calcium (carbonate de)	-	10 mg/m <sup>3</sup>	-	-

*PERSONAL PROTECTION* Gloves  
Safety glasses  
Protective clothing

#### ENVIRONMENTAL PROTECTION EQUIPMENT

#### MATERIALS FOR PROTECTIVE CLOTHING

GIVE GOOD RESISTANCE:

neoprene  
nitrile rubber

GIVE POOR RESISTANCE:

PVA

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

#### GENERAL INFORMATION

*STATE OF AGGREGATION* Liquid

*ODOUR* almost odourless

*COLOUR* Green

*SOLUBILITY IN WATER* completely soluble

#### VALUES OF PHYSICAL PROPERTIES

*SPECIFIC GRAVITY* 1014 kg/m<sup>3</sup> @ 15°C      *PH* 7.75

*VISCOSITY* 255 mPa.s @ 25°C      *SOLIDIFICATION POINT* ± 0°C

#### HAZARDS FOR EXPLOSION AND FIRE

*FLASHPOINT* Not applicable

#### DUST EXPLOSION

### SECTION 10. STABILITY AND REACTIVITY

#### STABILITY

Stable under normal conditions

#### PROHIBITIONS ON MIXED STORAGE

*KEEP SUBSTANCE AWAY FROM:*

heat sources  
oxidizing agents

#### **HAZARDOUS DECOMPOSITION PRODUCTS**

### **SECTION 11. TOXICOLOGICAL INFORMATION**

#### **VALUES OF CHRONIC TOXICITY**

##### **TOXICITY**

ACUTE TOXICITY - Moderately irritant to skin - Moderately irritant for eyes -

CHRONIC TOXICITY - Not classifiable as a human carcinogen - Not listed in mutagenicity class (EC,MAK) - Not listed in teratogenicity class (EC,MAK)

##### **TOXICITY HAZARD**

DIRECT TOXICITY HAZARD - Slightly irritating

##### **EFFECTS/SYMPTOMS**

###### *SYMPTOMS/INJURIES AFTER SKIN CONTACT*

ON CONTINUOUS EXPOSURE/CONTACT:

No data available

###### *SYMPTOMS/INJURIES AFTER EYE CONTACT*

Slight irritation

### **SETCION 12. ECOLOGICAL INFORMATION**

##### **MOBILITY**

*ECOLOGY - GENERAL* According to literature: no environmental hazard

*ECOLOGY - WATER* Slightly or not bioaccumulative

*ECOLOGY - SOIL* Biodegradability in soil: no data available

*ECOLOGY - AIR* Classification concerning the environment: not applicable

##### **PERSISTENCE AND DEGRADABILITY**

*WGK* 1

### **SECTION 13. DISPOSAL CONSIDERATIONS**

##### **DISPOSAL CODE**

###### *Package*

Plastic 15.01.10\*

Metal 15.01.11\*

###### *Product*

Oil additives 12.01.12\*

Fuel additives 14.06.03\*

Aqueous solutions 20.01.29\*

Airco-cleaner 20.01.19

## SECTION 14. TRANSPORTATION INFORMATION

ROAD (ADR)

RAIL (RID)

SEA (IMDG)

AIR (IATA/ICAO)

## SECTION 15. REGULATORY INFORMATION

Classification and labelling according to the directives 67/548/EEC, 1999/45/EC, 98/8/EC and Regulation (EC) 648/2004.

\*\*\*\*\*End of MSDS\*\*\*\*\*

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