



SAFETY DATA SHEET

Prepared according to Annex II of EC Regulation 1907/2006

Radiator Leak Stop

01. Identification of the substance/preparation and of the company/undertaking

Product name

Radiator Leak Stop

Use of the substance / preparation

Radiator Maintenance Product

Manufacturer/Supplier

SCT-Vertriebs GmbH

Wedel/Hamburg

Street/P.O.Box

Feldstrasse 154

Country code/Postal code/Town/City

22880 Wedel

Contact

email: info@sct-germany.de

Emergency information

+49 4103 1211 0 (08:00 - 17:00 h)

02. Composition/information on ingredients

To People

See point 11 and 15. Preparation is classified as hazardous in the sense of directive 1999/45/EC.

To environment

See point 12

03. Hazard identification

Chemical			
content%	Symbol	R-phrases	EINECS, ELINCS
	Registration number(ECHA)	Classification categories	
Sodium Ligninsulfonate			
60-80			8061-51-6
		Harmful	
Disodium tetraborate pentahydrate			
0,1-<1	Xn	60(Re.Ca2)-61(Re.Ca2)	215-540-4
		Toxic to reproduction	

For complete wording of the R-phrases, refer to point 16

04. First-aid measures

4.1 Inhalation

Supply person with fresh air and consult doctor according to symptoms

4.2 Skin contact

Wash thoroughly using copious water - remove contaminated clothing immediately. If skin irritation occurs (redness etc.) ,consult doctor.

4.3 Eye contact

Wash thoroughly for several minutes using copious water - call doctor immediately, have Data Sheet available

4.4 Ingestion

Rinse the mouth thoroughly with water. If applicable Induce vomiting

4.5 Special resources necessary for first aid

Indications for the physician:

Symptomatic treatment



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05. Fire-fighting measures

5.1 Suitable extinguishing media

Product is not combustible.

Adapt to the nature and extent of fire.

5.2 Extinguishing media which shall not be used for safety reasons

High volume water jet

5.3 Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases

In case of fire the following can develop:

Oxides of carbon

Toxic pyrolysis products.

5.4 Special protective equipment for fire-fighters

Protective respirator with independent air supply.

5.5 Further information

Dispose of contaminated extinction water according to official regulations

06. Accidental release measures

Refer to point 13. and for personal protection refer to point 8.

6.1 Personal precautions

Ensure sufficient supply of air.

If applicable, caution - risk of slipping

Avoid contact with eyes or skin.

6.2 Environmental precautions

If leakage occurs, dam up.

Prevent from entering drainage system.

Prevent surface and ground-water infiltration, as well as ground penetration.

6.3 Methods for cleaning up

Collect using absorbant material (e.g. Universal binding medium, sand, kieselguhr) and dispose of according to point 13.

07. Handling and storage

7.1 Handling

Tips for safe handling:

See point 6.1

Ensure good ventilation

Wash hands before breaks and at end of work. Eating, drinking, smoking, as well as food-storage, is prohibited in work room

Observe directions on label and instructions for use.

7.2. Storage

Requirements for storage rooms and containers:

Store product closed and only in original packing. Not to be stored in gangways or stair wells. Do not store with oxidizing agents.

Special storage conditions:

See point 10

Store in a well ventilated place.

08. Exposure controls/personal protection

Chemical Name	Ethandiol	content%: 10-<20
WEL-TWA: 10 mg/m ³ (particulate), 52 mg/m ³ (vapour) (WEL), 20 ppm (52 mg/m ³) (EC)	WEL-STEL: 104 mg/m ³ (vapour) (WEL), 40 ppm (104 mg/m ³) (EC)	---
BMGV: ---	Other informations: Sk (particulate vapour)	

Chemical Name	Disodium tetraborate pentahydrate	content%: 0,1-<1
WEL-TWA: 1 mg/m ³	WEL-STEL: ---	---
BMGV: ---	Other informations: ---	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW

"Arbeitsplatzgrenzwert" (workplace limit value, Germany). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen

= Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision.



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8.2 Exposure controls

8.2.1 Occupational exposure controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing

protection should be worn. Applies only if maximum permissible exposure values are listed here.

Respiratory protection:

Normally not necessary. If OES or MEL is exceeded. Filter A P 3 (EN 141)

Hand protection: Solvent resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 374) Protective hand cream recommended. Unsuitable material:

Cotton gloves

Eye protection: Tight fitting protective goggles with side protection (EN 166). Skin protection: Protective working garments (e.g. safety shoes EN 344, long-sleeved protective working garments) Additional information on hand protection - No tests have been performed. Selection made for preparations according to the best available knowledge and information on the ingredients.

Selection of materials derived from glove manufacturer's indications. Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer. In the case of preparations the resistance of glove materials cannot be calculated in advance so it has to be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.2 Environmental exposure control

n.a.v.

09. Physical and chemical properties

9.1 General information

Physical state:

Liquid

Colour:

n.av.

Odour:

Slightly

9.2. Important health, safety and environmental information

pH-value undiluted:

--

Boiling point/boiling range (°C):

--

Melting point/melting range (°C):

--

Flash point (°C):

200

Oxidising properties:

No

Minimum limit of explosion:

--

Maximum limit of explosion:

--

Density (g/ml):

1,07

Water solubility:

Mixable

Viscosity:

130 mm²/sec/40°C

10. Stability and reactivity

Conditions to avoid

See point 7

Stable when handled and stored correctly.

Materials to avoid

See point 7

Avoid contact with strong oxidizing agents.

Hazardous decomposition products See point

5.3

11. Toxicological information

Acute toxicity and immediate effects

Ingestion, LD50 rat oral (mg/kg):

n.av.

Inhalation, LC50 rat inhal. (mg/l/4h):

n.av.

Skin contact, LD50 rat dermal (mg/kg):

n.av.

Eye contact:

n.av.

Delayed and chronic effects

Sensitization:

n.c.

Carcinogenicity:

n.c.

Mutagenicity:

n.c.

Reproductive toxicity:

n.c.

Narcosis:

n.c.

Further information

No classification according to calculation procedure.



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12. Ecological information

Persistence and degradability:
100% OECD 301 E *

Behaviour in sewage plants:
According to the recipe, contains no AOX.

Aquatic toxicity: n.av.

Ecological toxicity: n.av.

Mobility: n.av.

Accumulation: n.av.

* Ethanediol

Results of PBT assessment
n.av.

Other adverse effects: n.av.

13. Disposal considerations

13.1. for the material / preparation / residue

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2001/118/EC, 2001/119/EC, 2001/573/EC)

07 07 99 wastes not otherwise specified

Recommendation:

Pay attention to local and national official regulations

Implement substance recycling.

E.g. suitable incineration plant.

E.g. dispose at suitable refuse site.

13.2 for contaminated packing material

See point 13.1

Pay attention to local and national official regulations

Uncontaminated packaging can be recycled.

Dispose of packaging that cannot be cleaned in the same manner as the substance.

14. Transport information

General statements

UN-Number: n.a.

Road/Rail-transport (ADR/RID)

Class/packing group: n.a.

Classification code: n.a.

LQ: n.a.

Tunnel restriction code:

Transport by sea

IMDG-code: n.a. (class/packing group)

Marine Pollutant: n.a.

Transport by air

IATA: n.a. (class/secondary danger/packing group)

Additional information:

Non-dangerous material according to Transport Regulations.

15. Regulatory information

Classification according to Dangerous Product Regulations incl. EC Directives

(67/548/EEC and 1999/45/EC)

Symbols: Not applicable

Indications of danger: R-phrases:

S-phrases:

Additions:

Observe restrictions: n.a.

VOC 1999/13/EC n.a.



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16. Other information

These details refer to the product as it is delivered.

Storage class VCI (Germany):

12

Revised points:

3

The following phrases represent the prescribed R-phrases / H-phrases (GHS/CLP) for the ingredients (designated in point 3).

22 Harmful if swallowed.

60 May impair fertility.

61 May cause harm to the unborn child.

Legend

n.a. = not applicable / n.v., k.D.v. = n.av. = not available / n.g. = n.c. = not checked

WEL = Workplace Exposure Limit EH40, TWA = Long-term exposure limit (8-hour TWA (= time weighted average) reference period), STEL = Short-term exposure limit (15-minute reference period) / BMGV =

Biological monitoring guidance value EH40

AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany) / BGW = "Biologischer

Grenzwert" (biological limit value, Germany) VbF = Regulations for flammable liquids (Austria)

WGK = water hazard class (Germany) - WGK 3 = very hazardous, WGK 2 = hazardous, WGK 1 = slightly hazardous to water

VOC = Volatile organic compounds / AOX = Adsorbable organic halogen compounds

VwVwS = Administrative Order relating to substances hazardous to water (Germany)

The statements made here should describe the product with regard to the

necessary safety precautions - they are not meant to guarantee definite

characteristics - but they are based on our present up-to-date knowledge.