

SAFETY DATA SHEET
According to Regulation (EC) No. 1907/2006

PERKACIT SDBC LIQ-W

1. IDENTIFICATION OF THE SUBSTANCE OR PREPARATION AND THE COMPANY/UNDERTAKING

Product label name	Sodium dibutyldithiocarbamate
Supplier	Performance Additives Italy S.p.A. Zona Industriale "A" 86039 Termoli (CB) Italy Tel. +39 0875 58941
Emergency telephone	+49 40 30 299 - 0 (only during office hours, Behn Meyer Europe GmbH, Ballindamm 1, D-20095 Hamburg)
Intended use	Vulcanisation accelerator

2. COMPOSITION/INFORMATION ON INGREDIENTS

This product is to be considered as a preparation in conformance to EC directives
Information on hazardous ingredients

Chemical description Sodium dibutyldithiocarbamate

Composition / information on ingredients

Number	% w/w	CAS-number	Chemical name		
Number	EC-number	Annex-1 number	Symbol(s) (EU classification)	Risk-phrase(s)	
1	approx. 47	136-30-1	Sodium dibutyldithiocarbamate		
1	205-238-0		Xi Xn	R22 R36/38	
Other information		Balance: Water			

3. HAZARDS IDENTIFICATION

Harmful if swallowed.
Irritating to eyes and skin.

4. FIRST AID MEASURES

Symptoms and effects May cause alcohol intolerance. Harmful if swallowed. Irritating to eyes and skin.

First aid

General	Do not drink alcohol after exposure.
Inhalation	Always seek medical advice in case of significant exposure
Skin	Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.
Eye	Rinse immediately and as long as possible with plenty of water. Eyelids should be held away from the eyeball to ensure thorough rinsing. Seek medical advice if irritation persists.
Ingestion	Only when conscious, rinse mouth, give plenty of water to drink. DO NOT induce vomiting. Seek medical advice.
Advice to physician	No specific recommendations.

5. FIRE-FIGHTING MEASURES

Extinguishing media	waterspray, water mist, foam, dry chemical powder.
Unsuitable extinguishing media	none known
Special exposure hazards	none known.
Hazardous decomposition / combustion products	Emits toxic fumes under fire conditions: hydrogen cyanide (HCN), sulphur dioxide (SO ₂), nitrous gases (NO _x).
Protective equipment	Wear self contained breathing apparatus.
Other information	Do not allow run-off from fire fighting to enter drains or water courses.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	For personal protection see Section 8
Environmental precautions	Do not allow to enter drains or water courses.
Methods for cleaning up	Stop leakage if possible. Collect as much as possible in a clean container for (preferable) reuse or disposal. Cover the remainder with inert absorbent (e.g. vermiculite) for disposal.

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7. HANDLING AND STORAGE

Handling	Avoid contact with skin and eyes.
Fire and explosion prevention	No specific recommendations.
Storage requirements	Store in a dry and cool place (20-25 °C). Keep container tightly closed. preferably under dry inert gas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls	No specific recommendations.
Exposure limits	
Name	
Sodium dibutyldithiocarbamate	In this country no exposure limit has been established
Personal protection	
Respiratory	No specific recommendations.
Hand	Wear suitable gloves.
Eye	Wear eye/face protection.
Skin and body	Wear suitable protective clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	liquid
Colour	pale yellow, green, light brown
Odour	characteristic (mild)
Boiling point/range	> 100 °C
Melting point/range	not determined
Flash point	not determined
Flammability	not determined
Autoignition temperature	not determined
Explosive properties	not determined
Explosion limits	not determined
Oxidising properties	not applicable
Vapour pressure	approx. 2.2 kPa (20 °C)
Density	1050 - 1070 kg/m ³
Bulk density	not applicable
Solubility in water	Miscible
Solubility in other solvents	not determined
pH value	9.0-11.0
Partition coefficient	not determined
n-octanol/water	
Relative vapour density (air=1)	not applicable
Viscosity	not determined

10. STABILITY AND REACTIVITY

Stability	Stable under recommended storage and handling conditions (see section 7).
Conditions to avoid	temperature > 30 °C.
Materials to avoid	oxidising agents, strong acid.
Hazardous decomposition products	Carbon disulfide
Other information	During the vulcanisation process, traces of carcinogenic nitrosamines may be formed.

11. TOXICOLOGICAL INFORMATION

Name	Sodium dibutyldithiocarbamate
Acute toxicity	
Oral LD50	rat: 650-1400 mg/kg.
Irritation	
Skin	irritating (rabbit).
Eye	irritating (rabbit).
Genotoxicity	Ames test: Not mutagenic.

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12. ECOLOGICAL INFORMATION

Name	Sodium dibutyldithiocarbamate
Ecotoxicity fish	96h-LC50 (<i>Poecilia reticulata</i>): 62 - 211 mg/l.

13. DISPOSAL CONSIDERATIONS

Product	Avoid discharge into the environment. Small quantities: According to local regulations. Large quantities: Consult Flexsys for special advice.
Contaminated packaging	According to local regulations.
Other information	Waste code number: Please refer to your specific industry in the European Waste Catalogue.

14. TRANSPORT INFORMATION

Land transport

ADR class	not restricted	ADR/RID packing group	not relevant
RID class	not restricted	Substance Identification No.	not relevant
Hazard Identification No.	not relevant	UN number	none
TREM-Card	not relevant		
Proper Shipping Name	not relevant		

Sea transport (IMDG-code / IMO)

IMO/IMDG code	not restricted	Class	not restricted
Packing group	not relevant	UN number	none
EMS	not relevant	Subsidiary Risk	no
Proper Shipping Name	not relevant		

Air transport (ICAO-TI / IATA-DGR)

ICAO-TI/IATA-DGR		UN number	none
Class	not restricted	Packing group	not relevant
Proper Shipping Name	not relevant		

15. REGULATORY INFORMATION

Chemical description Sodium dibutyldithiocarbamate

Labelling according to EC directives

EC-number none
Classification based on Calculation



HARMFUL (Xn)

Symbol(s) (EU classification)

R(isk) phrase(s) (EU classification)

S(afety) phrase(s) (EU classification)

German Water Hazard Class (WGK)

R 22 Harmful if swallowed
R 36/38 Irritating to eyes and skin
S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
1 (VwVwS Anhang 4 Nr. 3)

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16. OTHER INFORMATION

This information only concerns the above mentioned product and does not need to be valid if used with other product(s) or in any process. The information is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

R-pharse information

Chemical name

Sodium dibutyldithiocarbamate

Risk-phrase(s)

R22 R36/38

Harmful if swallowed Irritating to eyes and skin

History

**Date of printing/
pdf file generated**

13.05.2011

Revision

1.5

Composed by

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**Changes were made in
section**

1, 16