

**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

<b>Product label name</b>	Sodium dibutyldithiocarbamate
<b>Supplier</b>	Performance Additives Italy S.p.A. Zona Industriale "A" 86039 Termoli (CB) Italy Tel. +39 0875 58941
<b>Emergency telephone</b>	+49 40 30 299 - 0 (only during office hours, Behn Meyer Europe GmbH, Ballindamm 1, D-20095 Hamburg)
<b>Intended use</b>	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	
1	approx. 47	136-30-1	Sodium dibutyldithiocarbamate	
Number	EC-number	Annex-1 number	Symbol(s) (EU classification)	Risk-phrase(s)
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

<b>General</b>	Do not drink alcohol after exposure.
<b>Inhalation</b>	Always seek medical advice in case of significant exposure
<b>Skin</b>	Remove all contaminated clothing immediately. Wash off with plenty of soap and water. Seek medical advice if irritation develops. Launder clothes before reuse.
<b>Eye</b>	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.
<b>Ingestion</b>	Only when conscious, rinse mouth, give plenty of water to drink. DO NOT induce vomiting. Seek medical advice.
<b>Advice to physician</b>	No specific recommendations.

### 5. FIRE-FIGHTING MEASURES

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

### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal precautions</b>	For personal protection see Section 8
<b>Environmental precautions</b>	Do not allow to enter drains or water courses.
<b>Methods for cleaning up</b>	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

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

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

### 9. PHYSICAL AND CHEMICAL PROPERTIES

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

### 10. STABILITY AND REACTIVITY

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

### 11. TOXICOLOGICAL INFORMATION

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

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### 12. ECOLOGICAL INFORMATION

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

### 13. DISPOSAL CONSIDERATIONS

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

### 14. TRANSPORT INFORMATION

#### Land transport

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

#### Sea transport (IMDG-code / IMO)

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

#### Air transport (ICAO-TI / IATA-DGR)

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

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