

**PRODUCT AND COMPANY IDENTIFICATION**

**Product Code** SKBOMN  
**Product Name** Sika Boom N / N+  
**Product Description** 1-component aerosol polyurethane foam.  
**Manufacturer/Supplier** Sika Limited  
Watchmead  
Welwyn Garden City  
Hertfordshire.  
AL7 1BQ  
tel. 01707 394444  
Fax. 01707 329129

**COMPOSITION/INFORMATION ON THE COMPONENTS****Preparation - Hazardous ingredients ( Europe )**

Component		Concentration	Classification	Risk Phrases
1) Diphenylmethandiisocyanate	101-68-8	5.00% - 10.00%	Xn	R20, R36/37/38, R42/43
2) Butane	106-97-8	2.50% - 10.00%	F+	R12
3) Dimethyl Ether	115-10-6	2.50% - 10.00%	F+	R12

**HAZARD IDENTIFICATION**

**Main Hazards** May cause sensitization by inhalation and skin contact.  
Irritating to eyes, respiratory system and skin.

**FIRST AID MEASURES**

**Eye Contact** Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open.  
Obtain medical attention urgently.

**Skin Contact** Wash skin thoroughly with soap and water.  
Obtain medical attention if blistering occurs or redness persists.  
Contaminated clothing should be washed or dry-cleaned before re-use.

**Ingestion** Do not induce vomiting.  
Obtain medical attention.

**Inhalation** Remove from exposure. Obtain medical attention.

**FIRE FIGHTING MEASURES**

**Extinguishing Media** Use foam, dry chemical or carbon dioxide.  
Dry sand may be used on small fires.

**Special Hazards of Product** Combustion can produce hydrogen fluoride and hydrogen chloride.

**Protective Equipment for Fire-Fighting** Wear full protective clothing and self-contained breathing apparatus.

**ACCIDENTAL RELEASE MEASURES**

**Personal Precautions** Wear appropriate protective clothing. Eliminate all sources of ignition.  
Ventilate area to dispel any residual vapours.

**Spillages** Allow to solidify. Collect mechanically.  
Transfer into suitable containers for recovery or disposal.

**HANDLING AND STORAGE****Handling**

Avoid contact with eyes, skin and clothing.  
Exposure by inhalation or skin contact should be minimised by good Industrial Hygiene practices.

**Storage**

Use in well ventilated area.  
Storage area should be: cool, dry, well ventilated, out of direct sunlight.  
Store away from sources of heat or ignition.

**EXPOSURE CONTROLS/PERSONAL PROTECTION****Occupational Exposure Limits - GB**

1) Butane	UK EH40:OES 600 ppm(1450mg/M3) 8 -hr TWA UK EH40:OES 750 ppm(1810mg/M3) 15 -min STEL
2) Dimethyl Ether	UK EH40:OES 400ppm (1230mg/M3) 8-hr TWA UK EH40:OES 500ppm (958mg/M3) 15 min STEL
3) 4, 4- methylenediphenyl diisocyanate	UK EH40: MEL 0.02mg/M3 8-hr TWA UK EH40: MEL 0.07mg/M3 15 min STEL

**Engineering Control Measures**

Use of the basic principles of Industrial Hygiene will enable this material to be used safely.

**Respiratory Protection**

Adequate ventilation should be provided  
Respiratory protection if there is a risk of exposure to high vapour concentrations.

**Hand Protection**

Wear suitable impervious gloves.

**Eye Protection**

Chemical goggles if there is a risk of splashing.

**PHYSICAL AND CHEMICAL PROPERTIES**

<b>Physical State</b>	Aerosol
<b>Color</b>	LightYellow.
<b>Odor</b>	Characteristic.
<b>Flash Point °C</b>	Not applicable.
<b>Explosion Limits ( % )</b>	Lower limit 1.5 Upper limit 18.6
<b>Solubility - Water</b>	Immiscible
<b>Density (kg/m3)</b>	900 - 1100 at 20 °C.
<b>Autoignition Temperature °C</b>	Propellant > 230°C

**STABILITY AND REACTIVITY**

<b>Stability</b>	Stable under normal conditions.
<b>Conditions to avoid</b>	Sources of ignition. High temperatures.
<b>Materials to avoid</b>	Oxidising agents. Concentrated mineral acids.
<b>Hazardous Decomposition Products</b>	Combustion will generate: oxides of carbon, acrid smoke and irritating fumes (HCl and HF)

**TOXICOLOGICAL INFORMATION**

<b>Acute toxicity</b>	Low order of acute toxicity.
<b>Eye irritation</b>	Liquid and vapour can cause irritation on contact and at high concentrations.
<b>Skin irritation</b>	Skin contact may cause irritation
<b>Additional information</b>	Sensitisation possible by inhalation

**ECOLOGICAL INFORMATION**

<i>Mobility</i>	The product is insoluble in water.
<i>Persistence/degradability</i>	The product is expected to be not readily biodegradable.
<i>Ecotoxicity</i>	The product may be harmful to aquatic organisms.

**DISPOSAL**

<i>Product Disposal</i>	Dispose of as Special Waste. Arrange for disposal via a licensed waste contractor.
<i>Container Disposal</i>	Dispose of containers with care. Empty containers may contain hazardous residues. Empty packaging should be removed by a licensed waste contractor.

**TRANSPORT INFORMATION**

<i>UN : UN number</i>	1950
<i>UN : Class</i>	2
<i>ADR/RID Substance Identification Number</i>	1950
<i>ADR/RID Proper shipping name</i>	Aerosol
<i>ADR/RID Class</i>	2
<i>ADR/RID Item Number</i>	5 ( f )
<i>IMDG : Proper shipping name</i>	Aerosols
<i>IMDG : Class</i>	2
<i>IMDG : Marine Pollutant</i>	No
<i>IMDG : Ems Number</i>	2 - 13
<i>IMDG : MFAG Number</i>	370
<i>IATA : Proper shipping name</i>	Aerosol
<i>IATA : Class</i>	2.1

**REGULATORY INFORMATION***Label Requirements*

Extremely flammable, Harmful

*Risk Phrases*May cause sensitization by inhalation and skin contact.  
Irritating to eyes, respiratory system and skin.*Safety Phrases*Do not breathe gas  
Avoid contact with eyes.  
In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
After contact with skin, wash immediately with plenty of water  
In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

**SAFETY DATA SHEET****Sika Boom N / N+**

Date of issue - 01/08/2001.

SKBOMN

**OTHER INFORMATION*****First Issue Date***

1.8.2001

***Revisions Highlighted***

Future revisions will incorporate such information as is required but which is not available at this time.

***Uses and Restrictions***

Customers are urged to ensure that the product is entirely suitable for their own purpose. It is the customer's responsibility to ensure that a suitable and sufficient assessment of the risks created by the use of the product is undertaken.

***UK Legislation***

Health and Safety at Work etc Act, 1974, and relevant Statutory Provisions.  
SI 1993/1746: Chemicals (Hazard Information and Packaging) Regulations, 1993.  
SI 1999/437: The Control of Substances Hazardous to Health Regulations  
SI No. 972/1996: The Special Waste Regulations 1996  
SI No 2839 1991 Environmental Protection (Duty of Care) Regulations.

***UK Guidance Publications***

EH40, Occupational Exposure Limits, HSE. Revised Annually.  
General Approved Code of Practice to COSHH Regulations, HSE.  
HS(G) 53, Respiratory Protective Equipment - a Practical Guide for Users, HSE.  
Guide to Highly Flammable Liquids & LPG Regulations - H&SE.

***Footnote***

The information contained in this SDS corresponds to our level of knowledge at the time of publication. All warranties are excluded. Our most current General Sales Conditions shall apply. Please consult the Technical Data Sheet prior to use.