



TOSOH

SAFETY DATA SHEET

SKYPRENE (G-40S, G-40T, G-42, G-40S-1, G-55, G-66, G-70, B-30, B-30S, B-31, Y-20E, Y-30S, Y-31, E-33, P-90, TSR-48, Y-30H, Y-30HA)

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

Product name : SKYPRENE (G-40S, G-40T, G-42, G-40S-1, G-55, G-66, G-70, B-30, B-30S, B-31, Y-20E, Y-30S, Y-31, E-33, P-90, TSR-48, Y-30H, Y-30HA)

Chemical product name : Polychloroprene.

Chemical formula : $-(CH_2CCl=CHCH_2)_n-$

CAS Number : 9010-98-4

EC Number : Not applicable.

Manufacturer : TOSOH Corporation, 3-8-2 Shiba, Minato-ku, 105-8623 Tokyo, Japan
Tel: +81-3-5427-5146

Emergency telephone number : Not available.

2. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/preparation : Substance

Composition/Information on hazardous ingredients*

Chemical name	CAS No.	%
Polychloroprene	9010-98-4	>=98
Talc	14807-96-6	=<1
2-Chlorobuta-1,3-diene	126-99-8	< 0.0001

*Occupational Exposure Limit(s), if available, are listed in section 8.

3. HAZARDS IDENTIFICATION

Physical/chemical hazards : The data available do not support any physical or chemical hazard.

Human health hazards : May be irritating.

Environmental hazards : The data available do not support any environmental hazard.

4. FIRST-AID MEASURES

Effects and symptoms

Inhalation : Prolonged or repeated inhalation may be irritating (depressed respiration, coughing and sore throat).

Ingestion : Prolonged or repeated exposure may be irritating to mouth, throat and oesophagus (sore throat, nausea and retching).

Skin contact : Prolonged or repeated exposure may be irritating (redness, pain).

Eye contact : Prolonged or repeated exposure to even very small quantities may be irritating (redness, tears and pain).

First-aid measures

Inhalation : Immediately remove victim to fresh air. Keep victim at rest. If breathing is difficult: mouth-to-mouth resuscitation. If not breathing: artificial respiration. Consult a doctor in the event of any complaints.



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Ingestion	: Never give anything by mouth to an unconscious person. Wash out mouth with water. Make victim drink water. Keep victim at rest. Immediately get medical attention.
Skin contact	: Remove contaminated clothing. Wash off with water and soap. Consult a doctor in the event of any complaints.
Eye contact	: Wash out with plenty of water for at least 10 minutes. After initial flushing, remove any contact lenses and continue flushing. Consult a doctor in the event of any complaints.
Protection of first-aiders	: Avoid exposure. Use appropriate protection (see section 8).

5. FIRE-FIGHTING MEASURES

Extinguishing media

Suitable	: All types of extinguishing agent permitted.
Special fire-fighting procedures	: Dike fire control water for later disposal.
Hazardous thermal (de)composition products	: Burning may produce: toxic and/or corrosive vapours/gases (hydrogen Chloride).
Protection of fire-fighters	: Use breathing apparatus (self-contained breathing apparatus with full face shield). Wear suitable protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	: Wear suitable protective clothing, gloves and eye/face protection. Avoid generation of dust.
Environmental precautions	: Prevent dispersion. Do not allow to enter sewage system.
Methods for cleaning up	: Collect spilled material in sealable containers.

7. HANDLING AND STORAGE

Handling	: When handling the product, allow for materials and conditions which should be avoided (see section 10). Avoid exposure. Use appropriate protection (see section 8). Avoid generation of dust.
Storage	: Keep in a cool, dry, well ventilated place away from open flame.
<u>Packing materials</u>	
Suitable	: Keep in sealable containers.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures	: Ventilation recommended.
Hygiene measures	: When using do not eat, drink or smoke. Follow good housekeeping practices.
Occupational Exposure Limits	
Chemical name	OEL
Talc	TWA: 1mg/m ³ (respirable dust)



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2-Chlorobuta-1,3-diene
TWA:37mg/m³ (10ppm, skin)
PEL(OSHA):90mg/m³ (25ppm, skin)
TLV(USA):36mg/m³ (10ppm, skin)

Personal protective equipment

Respiratory system : With sufficient extraction or closed system, breathing apparatus not necessary. In the event of possible exposure : dust filter P1.
Skin and body : Wear suitable protective clothing.
Hands : Wear suitable gloves (rubber gloves).
Eyes : Safety glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state : Solid (Chips).
Colour : White or light (pale)- yellow.
Odour : Characteristic (Faint odour).
Melting point : Not available.
Decomposition temperature : Approximately 200deg-C.
Density : 1.20- 1.28 g/cm³
Vapour pressure : Negligible.
Specific gravity (H₂O=1) : 1.20-1.28
Solubility in water : Insoluble.
Solubility in other ingredients : Soluble in organic solvents (Toluene)
pH : Not available.
Flash point : Not applicable.
Flammability : Not applicable.
Viscosity : Mooney: 30 - 150 ML (1+4) 100deg-C, ML (1+2.5) 100deg-C or solid.

10. STABILITY AND REACTIVITY

Stability : Stable under normal conditions.
Conditions to avoid : Avoid temperatures above 200deg-C. Keep away from heat and open flame.
Materials to avoid : Not available.
Hazardous reactions : Hazardous polymerization will not occur.
Hazardous decomposition : Decomposition at temperatures above 200deg-C may result in hydrogen chloride (HCl).
Products

11. TOXICOLOGICAL INFORMATION

No toxicological information is available on the product, but some is available on the ingredients defined in section2.

Chemical name : Talc
Skin irritation : Mildly irritating (human being, 300µg/3 days)
Eye irritation : Mildly irritating (human being)
Carcinogenicity : IARC classification: group 3.



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<u>Chemical name</u>	: 2-Chlorobuta-1,3-diene
Acute toxicity - Oral	: LD50 (rat) = 450 mg/kg
Acute toxicity – Inhalation	: LC50 (rat) = 11800 mg/m ³
Skin irritation	: Severely irritating
Carcinogenicity	: IARC classification: group 2B.

12. ECOLOGICAL INFORMATION

No ecological information is known on the product.

13. DISPOSAL CONSIDERATIONS

<u>Methods of disposal</u>	: Disposal according to the local legislation.
Waste of residues	: Keep waste separate. Because of possible pollution, remove as industrial waste or hazardous waste.
Contaminated packaging	: Keep waste packaging separate. Because of possible pollution, remove as industrial waste or hazardous waste.

14. TRANSPORT INFORMATION

Free for transport regulations.

15. REGULATORY INFORMATION

<u>National regulations</u>	: Questions related to national regulations should be directed toward national officials or the supplier.
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16. OTHER INFORMATION

The information contained in the Safety data sheet is correct to the best of our knowledge at the date of issue. It is intended as a guide for the safe use, handling, disposal, storage and transportation and is not intended as warranty or as a specification. The information relates only to the product specified and may not be suitable for combinations with other materials or in processes other than those specifically described herein.

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Prepared by	: Synthetic rubber group, TOSOH Corporation 3-8-2 Shiba, Minato-ku, 105-8623, Tokyo, Japan
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