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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Trade name * SARLINK®

Grades * X3135B-40, X3135N-40, 3139DB, 3139DN, 3140B,

3140N, 3145DB, 3145DN, 3155DB-01, 3150B, 3150N, 3160B, 3160N, 3165B, 3170B, 3170N, 3175B-01, 3180B, 3180N, 3190B, 3190N, X3250B, X3250N, X3735B-40, 3739DB, 3745DB, 3740B, 3750B, 3760B, 3770B, 3780B,

3790B, 3790B-40, 3850B

Company * DSM Thermoplastic Elastomers B.V.

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2. COMPOSITION/INFORMATION ON INGREDIENTS

Principal components * All Sarlink materials covered by this MSDS are Polyolefin

Elastomer Blends.

CAS Registry Numbers * Proprietary blends. Not identified by CAS number.

Main components: 25038-36-2 and 9003-07-0

Components presenting a

significant hazard

none

3. HAZARDS IDENTIFICATION

Risks * Sarlink materials covered by this MSDS are not

considered to be hazardous materials.

4. FIRST AID MEASURES

Routes of entry

Inhalation * Negligible hazard at ambient temperatures. Inhalation of

fine particles of dust may cause mild irritation. Exposure to vapours released at high extrusion and moulding temperatures may cause irritation to the respiratory tract. If respiratory irritation occurs, remove affected personnel from the work area into fresh air. Obtain medical attention

if irritation persists.

Ingestion * No known health hazard appears to be posed by the

ingestion of small amounts of TPE. A physician should be

consulted if large amounts are ingested.

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Eye contact	*	Irritation may result from the physical presence of any
		particles in the eye. Flush with plenty of clear water.
		Vapours produced during extrusion and moulding may
		cause slight eye irritation.

* Contact with molten alloy will burn unprotected skin. Cool immediately and obtain, if necessary, medical assistance. Do not remove molten product from burned skin. This should be done by a physician.

* If regrinding operations occur, protective coveralls with long sleeves, gloves and safety glasses should be worn. In case of skin contact: wash the contaminated areas with water and soap.

5. FIRE-FIGHTING MEASURES

Extinguishing media * Water spray, foam or CO₂.

* Full emergency equipment with self-contained breathing apparatus should be worn to protect fire fighters from any hazardous decomposition or combustion products.

* In case of fire appreciable quantities of carbon monoxide are released in combination with irritating and/or toxic substances

6. ACCIDENTAL RELEASE MEASURES

Steps to be taken in case material is released or spilled

A slipping hazard may be created if the material is spilled. Repackage uncontaminated product. Contaminated material should be collected (prevent fine dust formation) and handled as an inert material.

Normal industrial hygiene procedures should be followed.

concentration or accumulation of fines or dusts in or

7. HANDLING AND STORAGE

* The material should be stored in a cool place, and away from direct light and ignition sources.

Further instructions for drying and processing the materials can be found on the product data sheets.

Small amounts of fines or dust may be formed from pelletised product impacting with material handling systems. If permitted to accumulate, these fines or dusts can, under certain conditions, pose an explosion hazard. Every effort should be made to prevent the suspension.

around material handling systems.

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Handling



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Equipment and conveying lines must be well grounded to eliminate any build-up of static electricity. Housekeeping practices must keep dust levels under control. Eliminate ignition sources in dustprone areas.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

General measures * Provide local and general ventilation to ensure airborne

dusts and process vapours remain below occupational exposure limits. Ventilation systems must be designed in accordance with applicable engineering standards. Cool

molten waste material with water.

Respiratory protection * No special precautions under normal conditions. The use

of respiratory protection is recommended when airborne dust concentrations or decomposition products cannot be

adequately controlled by ventilation.

Eye protection * Safety glasses with side shields should be worn.

Hand protection * Material can be handled without the use of gloves or other

protective equipment at normal temperatures. Heat resistant gloves should be worn when handling molten

product.

Skin and body protection * The use of protective coveralls with long sleeves,

gloves and safety glasses is recommended, but is up to

the decision of the processor.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state * solid

Appearance * black, natural or white pellets

Odour * not significant

Specific gravity * 0.90 – 1.01

Softening point * ca. 150°C

Decomposition temperature * ca. 280°C

Flashpoint * not applicable

Explosion properties * the material as such is not explosive. For dust explosions

see section 7.

Solubility in water * insoluble

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10. STABILITY AND REACTIVITY

Stability * Stable

Conditions to avoid * Temperatures over 280°C may cause degradation.

Incompatibility * Contact with strong oxidising agents should be avoided.

Polyacetals (POM) and Sarlink are incompatible at

processing temperatures.

Hazardous decomposition

or byproducts

At processing temperature some degree of thermal degradation will occur. Although it is highly dependent on temperature and environmental conditions, traces of a variety of toxic and/or irritating gases can be released.

11. TOXICOLOGICAL INFORMATION

Carcinogenity * not to be considered carcinogenic.

Health hazards (acute and chronic) * not to be considered an acute or chronic health hazard.

Signs and symptoms of exposure * Harmless at ambient temperatures.

During processing see section 4.

12. ECOLOGICAL INFORMATION

Bio-degradability * Sarlink materials are not bio-degradable.

Mobility * The materials are considered inert, no dangerous diffusion

is expected.

13. DISPOSAL CONSIDERATIONS

Waste disposal * Incineration or controlled deposit on a landfill, both in

accordance with state and local regulations. Be aware of combustion products which may be produced during

incineration.

14. TRANSPORT INFORMATION

Classification * Sarlink materials are polymeric materials, not classified as

dangerous materials.

No special precautions during transport need to be taken.

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15. REGULATORY INFORMATION

* No health hazard classification according to Directive

67/548/EEC.

The preparation is not classified as dangerous according to

Directive 1999/45/EC and its amendments.

This MSDS is prepared according Directive 2001/58/EC.

Product notification status * EEC: All monomers, reactants and ingredients are listed in

EINECS.

USA: All ingredients are on the TSCA Chemical

Substance Inventory.

Canada: Components of these products are included in

Canada Domestic Substance List.

General * Compliance with other federal, state and local safety

regulations should be examined individually.

16. OTHER INFORMATION

Date of issue * April 2005

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