



Safety Data Sheet SDS	Form No	SDS-INN-EN
	Issue Date	01.06.2013
OPTAFLEKS POLYMERIC 50 NEOPENTYL GLYCOL ADIPATE	Revision Date	0
	Revision No	0

Prepared in accordance with the REACH Regulation (EC)1907/2006, CLP Regulation (EC) 1272/2008 and Regulation (EU) 2020/878

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Product name OPTAFLEKS POLYMERIC 50

Product identifier (neopentyl glycol adipate)

1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Plastic, manufacture of substances.

1.3. Details of the supplier of the safety data sheet

Manufacturer Plastay Kimya San. Tic. A.Ş.

GGOSB İnönü Mah. Atatürk Bulv. No:22 Gebze /KOCAELİ – TURKEY 41400

Contact Person Melike ÖZKAN (Mrs.)

1.4. Emergency telephone number

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical and Chemical Hazards Not classified. Human health

Not classified. Environment Not classified.

2.2. Label elements

Not a hazardous substance or mixture.

2.3. Other hazards

This product does not contain any PBT or vPvB substances.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Name	EC No.	CAS No.	Content	Classification (EC 1272/2008)
Neopentyl Glycol Adipate			>95%	Not classified

The Full Text for all Hazard Statements are Displayed in Section 16.

Composition Comments

- The data shown is in accordance with the latest EC Directives.



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SECTION 4: FIRST AID MEASURES

4.1. Description of first aid measures

Inhalation

If breathed in, move people into fresh air. If not breathing, give artificial respiration.

Ingestion

Rinse my mouth thoroughly. Get medical attention. Contact the physician immediately if a larger quantity has been consumed.

Skin contact

Wash the skin immediately with soap and water. Get medical attention if any discomfort continues.

Eye contact

In the case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

4.2. Most important symptoms and effects, both acute and delayed

Inhalation : Upper respiratory tract irritation. Cough.

Ingestion : Nausea, vomiting.

Skin contact : Irritation, redness. May cause sensitization by skin contact.

Eye contact : Irritation, redness.

4.3. Indication of any immediate medical attention and special treatment needed

Treat Symptomatically.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing media

Extinguishing media

This product is not flammable. Extinguish with foam, carbon dioxide, dry powder or water fog.

5.2. Special hazards arising from the substance or mixture

Specific hazards

Carbon monoxide (CO). Carbon dioxide (CO₂).

5.3. Advice for firefighters

Wear self-contained breathing apparatus for firefighting if necessary.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Avoid breathing vapors, mist or gas. For personal protection see section 8.

6.2. Environmental precautions

Do not let products enter drains.

6.3. Methods and material for containment and cleaning up

Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations.

6.4. Reference to other sections

For personal protection, see section. For waste disposal, see section 13.



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SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not eat, drink or smoke when using the product.
Read and follow manufacturers' recommendations. Avoid contact with skin and eyes.

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool place. Keep the container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

7.3. Specific end use(s)

The identified uses for this product are detailed in Section 1.2.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

Protective equipment



Process conditions

Provide eyewash, quick drench.

Engineering measures

Ensure adequate ventilation.

Respiratory equipment

Respiratory protection is not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Hand protection

Use protective gloves made of: Rubber, neoprene or PVC. The most suitable glove must be chosen in consultation with the glove's supplier, who can inform us about the breakthrough time of the glove material.

Eye protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hygiene measures

Wash hands after contact. Change work clothing daily before leaving workplace. Wash contaminated clothing before reusing. When using it do not eat, drink or smoke.

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws a good laboratory practice. Wash and dry hands. The selected protective gloves must satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.



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Environmental Exposure Controls

Please act in accordance with local and national laws.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance	Viscous liquid and clear
Color	Colorless
Odor	No data available.
Solubility	No data available.
Acidity	<2 mg KOH/g
Boiling Point	No data available.
Melting point	14
pH-Value	No data available.
Flash Point	>158°C
Decomposition temperature	No data available.
Density	1,05-1,11 g/cm ³
Viscosity	>1600 cP
Partition Coefficient (N-Octanol/Water)	No data available.

9.2. Other information

No information required.

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity

No specific reactivity hazards are associated with this product.

10.2. Chemical stability

Stable under normal temperature conditions and recommended use. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions

No data available.

10.4. Conditions to avoid

No data available.

10.5. Incompatible materials

No data available.

10.6. Hazardous decomposition products

Hazardous decomposition products formed under fire conditions. - Carbon oxides Other decomposition products - No data available In the event of fire: see section 5.



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SECTION 11: TOXICOLOGICAL INFORMATION

11.1.Information on toxicological effects

Acute toxicity

Not classified based on available information.

Serious eye damage/irritation

No data available.

Skin irritation and corrosive

No data available.

Skin sensitization

No data available.

Inhalation

No data available.

Ingestion

No data available.

Respiratory or skin sensitization

No data available.

Germ cell mutagenicity

No data available.

Carcinogenicity

IARC: No ingredient of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available.

Specific target organ toxicity - single exposure

No data available.

Specific target organ toxicity - repeated exposure

No data available.

Aspiration hazard

No data available.

SECTION 12: ECOLOGICAL INFORMATION

12.1.Toxicity

Ecotoxicity

The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.,



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12.2.Persistence and degradability

No data available.

12.3.Bioaccumulative potential

No data available.

12.4.Mobility in soil

No data available.

12.5.Results of PBT and vPvB assessment

This product does not contain any PBT or vPvB substances.

12.6.Other adverse effects

Should not be released to the environment.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1.Waste treatment methods

Offer surplus and non-recyclable solutions to a licensed disposal company.

SECTION 14: TRANSPORT INFORMATION

General

The product is not covered by international regulation on the transport of dangerous goods (IMDG, IATA, ADR/RID).

14.1.UN number

Not applicable.

14.2.UN proper shipping name

Not applicable.

14.3. Transport hazard class(es)

Transport Labels

No transport warning sign required.

14.4.Packing group

Not applicable.

14.5.Environmental hazards

Environmentally Hazardous Substance/Marine Pollutant

No.

14.6.Special precautions for users

Not applicable.

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

Not applicable.



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SECTION 15: REGULATORY INFORMATION

15.1. Safety, health and environmental regulations/legislation specific to the substance or mixture

Approved Code of Practice

Classification and Labelling of Substances and Preparations Dangerous for Supply. Safety Data Sheets for Substances and Preparations

Guidance Notes

Workplace Exposure Limits EH40. CHIP for everyone HSG (108).

EU Legislation

Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures.

15.2. Chemical Safety Assessment

No chemical safety assessment has been carried out.

SECTION 16: OTHER INFORMATION

Abbreviations and acronyms used in the safety data sheet

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways. RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.

IATA: International Air Transport Association.

ICAO-TI: Technical Instructions for the Safe Transport of Dangerous Goods by Air. IMDG:

International Maritime Dangerous Goods.

CAS: Chemical Abstracts Service. ATE:

Acute Toxicity Estimate.

LC₅₀: Lethal Concentration to 50 % of a test population.

LD₅₀: Lethal Dose to 50% of a test population (Median Lethal Dose).

EC₅₀: 50% of maximal Effective Concentration.

PBT: Persistent, Bio accumulative and Toxic substance.

vPvB: Very Persistent and Very Bio accumulative.

Revision Comments

Revised according to CLP Regulation.

Issued By

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Proficiency Certificate Date/No: 06.08.2022 / KDU01.23.02

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