

Safety Data Sheet in compliance with Regulation (EC)N°1907/2006,(EC)N°1272/2008,(EC)N°453/2010 and (EC)N°2015/830

Name of the product: 1-IMB-14 - 6324
Revision Name: 1
Revision date: February 07, 2019

1. Identification of the substance / mixture and of the company/undertaking

1.1 Product identifier

Trade Name: 1-IMB-14 - 6324
REACH: The product is a mixture under the definition of REACH/CLP

1.2 Relevant Identified Uses of the Substance or Mixture and Uses Advised Against

Identified Uses: IR Masterbatch. Polymer preparations and compounds.

1.3 Details of the suppliers of safety data sheet

Identification of the company: Tosaf Compounds Ltd.
Address: Elon Tavor Ind. Zone, P.O.B. 2633 - Afula, 18126 - Israel
Phone No: +972-4-6420419
Fax No: +972-4-6420423
Email: Tosafcom@tosaf.com
National contact: eu-regulatory@tosaf.com

1.4 Emergency telephone

Emergency telephone number: +972-545-663321/380

Available outside office hours?

Yes **No** Normal business hours are 0800 - 1700 (Central European Time)

2. Hazards identification

2.1 Classification of the substance or mixture

Classification according Regulation (EC) No. 1272/2008 and amendments

This product is not classified as hazardous.

2.2 Label elements

Labeling Regulation (EC) No. 1272/2008

The product does not require a hazard warning label.

2.3 Other hazards

Information regarding PBT and vPvB in section 12.5.

No additional hazards are known.

3. Composition/information on ingredients

3.1 Chemical characterization

IR and light diffuser concentrate on a polyethylene carrier.

3.2 Mixtures

Hazardous ingredients: None.

For full text of the H-Statements mentioned in this Section, see Section 16.

4. First aid measures

4.1 Description of first aid measures

After inhalation

Remove individual to fresh air. Drink water to clear throat and blow nose to evacuate dust. If coughing and irritation develop, call a physician

After contact with eyes

Flush eye with water until irritation subsides, at least 15 minutes. See physician if irritation persists

After contact with skin

If molten polymer contacts skin, cool rapidly with cold water and obtain attention for removal of adhering material and treatment of the burn

After ingestion

When swallowed accidentally, drink sufficient amounts of water and seek medical aid

4.2 Most important symptoms and effects both acute and delayed

Symptoms

No symptoms known currently

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Hazards

No hazards known at this time

4.3 Indication of any immediate medical attention and special treatment needed

Treatment

Treat symptomatically.

5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Water mist
Foam
Carbon Dioxide
Dry agent

Unsuitable extinguishing media

Water jet

5.2 Special hazards arising from the substance or mixture

Thermal decomposition products: carbon oxides, flammable hydrocarbons, toxic gases/vapors

5.3 Advice for firefighters

Use self-contained breathing apparatus

6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Wear suitable personal protective equipment

6.2 Environmental precautions

Do not allow to enter drains or waterways

6.3 Methods and materials for containment and cleaning up

Take care when running on spilled material. Collect solid and place in a suitable labeled container for disposal
Consult specialists when disposing regained material.
Pay attention to the local and state laws.

6.4 Reference for other sections

Additional information
Information regarding safe handling, see chapter 7.

7. Handling and storage

7.1 Precautions for safe handling

Advice on safe handling

Open and handle bag with care. Molten product can cause burns. Molten product handle with care. In cleaning machinery parts by burning, local fume extraction is required

Hygiene measures

When using the material, do not eat, drink or smoke. Wash hands and face when work ends or in breaks.

Advice on protection against fire and explosion

Keep away from heat, sparks and open flame

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage areas and containers

Protect bags and containers from damage

Further information on storage conditions

Keep container/bag tightly closed in a cool, well-ventilated place

7.3 Specific end use

If you require advice on specific uses, please contact your supplier

8. Exposure controls/personal protection

8.1 Control Parameters

Components with critical value that require monitoring at the work place:

8.1.1 Information Related to the Component: Calcium carbonate

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Country	Description	Value	Unit
UK	OEL (8 hrs)	4	mg/m ³ (respirable dust)
Greece	Total dust	10	mg/m ³
	respirable dust	5	mg/m ³
Italy	OEL (respirable crystalline silica)	0.05	mg/m ³
Germany	Total fine dust	6	mg/m ³
Ireland	OEL (respirable crystalline silica)	0.40	mg/m ³
USA	ACGIH TLV	10	mg/m ³ (total dust)

8.1.2 Information Related to the Component: Mineral

Long-term exposure limit (8 hour TWA): WEL 2.0 mg/m³ respirable dust

Inorganic dust

Long-term exposure limit (8 hour TWA): WEL 4 mg/m³ respirable dust

Quartz

Long-term exposure limit (8 hour TWA): WEL 0.1 mg/m³ respirable dust

WEL: Workplace Exposure Limit

8.2 Exposure controls

Engineering measures:

Utilize a close system process where feasible. Where this material is not used in a close system, good enclosure and local exhaust ventilation should be provided.

Respiration protection:

Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the established exposure limit use respiratory protection recommended for the material and level of exposure.

Eye protection:

Prevent eye and skin contact. Provide eye wash fountain and safety shower in close proximity to points of potential exposure. Wear eye/face protection such as chemical splash proof goggles or face shield.

Skin protection:

Prevent contamination of skin or clothing when removing protective equipment. Wear impermeable gloves and suitable protective clothing.

9. Physical and chemical properties_

9.1 Information on basic physical and chemical properties

Physical form	Solid pellets
Color	Natural
Odour 20 (°C)	No data available
Odour threshold	No data available
PH value	No data available
Melting point (°C)	100-138
Freezing point (°C)	No data available
Initial boiling point and boiling range (°C)	No data available
Flash point (°C)	No data available
Evaporation rate	No data available
Flammability	
Lower flammability limit	Not tested

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Upper flammability limit	Not tested
Vapour pressure	No data available
Density (gr/cc)	1.51
Vapour density relative to air	No data available
Solubility in water	No data available
Partition coefficient: n-octanol/water	No data available
Auto-ignition temperature	No data available
Thermal decomposition (°C)	> 280
Viscosity	No data available
Explosive properties	No data available
Softening range (°C)	No data available

10. Stability and reactivity_

10.1 Reactivity

Unknown

10.2 Chemical stability

Under normal conditions the product is stable

10.3 Possibility of hazardous reactions

None under normal conditons

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

None known

10.6 Hazardous decompositon products

When handled and stored appropriately, no dangerous decomposition products are known.

11. Toxicological information

11.1 Information on toxicological effects

11.1.1 Information related to the product itself:

- Acute oral toxicity: No data available
- Acute dermal toxicity: No data available
- Acute inhalation toxicity: No data available
- Irritant effect on skin: No data available
- Irritant effect on eyes: No data available
- Sensitization: No data available
- Repeated dose Toxicity: No data available
- Assessment of Mutagenicity: No data available
- Assesment of Carcinogenicity: No data available
- Assesment of toxicity to Reproduction: No data available
- Specific Target Organ Toxicity (STOT) single exposure: No data available
- Specific Target Organ Toxicity (STOT) repeated exposure: No data available.

12. Ecological information

12.1 Toxicity

12.1.1 Information related to the product itself

- Fish toxicity: No data available
- Daphnia toxicity: No data available
- Algae toxicity: No data available
- Bacteria toxicity: No data available.

12.2 Persistence and degradability

12.2.1 Information related to the product itself

- Biodegradability: No data available
- Chemical oxygen demand (COD): No data available.

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12.3 Bioaccumulative potential

12.3.1 Information related to the product itself
Bioaccumulation: No data available.

12.4 Mobility in soil

12.4.1 Information related to the product itself
Transport and distribution between environmental compartments: No data available
Behavior in environmental compartments: No data available.

12.5 Results of PBT and vPvB assessment

According to Annex XIII of Regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) The product does not contain a substance fulfilling the PBT (Persistent/Bioaccumulative/Toxic) criteria or the vPvB (very Persistent/very Bioaccumulative) criteria.

12.6 Other adverse effects

No specific adverse effects known.

13. Disposal considerations

13.1 Waste treatment methods

Product

Collect solid pellets and place in a suitable labeled container for disposal. Dispose of waste in an approved chemical landfill or chemical incinerator in accordance with local, state and European Law.
Contact the proper local authorities

Un-cleaning packaging

Packaging that cannot be cleaned should be disposed of as product waste

14. Transport information

14.1 UN Number

Not relevant

14.2 UN proper shipping name

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14.3 Transport hazard classes

ADR/RID: Not classified as dangerous in the meaning of road transport regulations
IMDG: Not classified as dangerous in the meaning of sea transport regulations
ICAO: Not classified as dangerous in the meaning of air transport regulations

14.4 Packing group

Not required

14.5 Environmental hazards

This product is a non hazardous material

14.6 Special precautions for user

See sections 6 to 8 of this Safety Data Sheet

14.7 Transport in bulk according to AnnexII of MARPOL73/78 and the IBC Code (International Bulk Chemicals Code)

No transport as bulk according to IBC-Code

15. Regulatory information

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

Other regulations

Apart from the data/regulations specified in chapters 2, 3, 11 & 12, no further information is available concerning safety health and environmental protection

15.2 Chemical safety assessment

A chemical safety assessment has not been carried out for this product

16. Other information

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Observe national and local legal requirements

List of the text of the hazard statements mentioned section 3 (H-phrases):

No hazard statements.

The information provided in this Safety Data Sheet (SDS) is correct to the date of issuance of the SDS and to the best of our knowledge, and is intended as a general description of our products. Tosaf makes no warranties, express or implied, as to the information's accuracy, adequacy and sufficiency and shall not assume any liability in connection with any use of this information. The use of this product has the sole responsibility for determining the suitability of Tosaf's products for its particular application. Nothing included in this information waives any of Tosaf's General Terms and Conditions of sale, which prevail, unless it agrees otherwise in writing.

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Please note, due to possible changes in our products and applicable national and international regulations and laws, the status of the our products and any regulatory approvals and uses thereof could change.

Safety Data Sheets providing safety precautions, that should be observed when handling or storing Tosaf products, are available upon request and are provided in compliance with applicable law. You should obtain and review the applicable and updated Safety Data Sheet information before handling any of Tosaf's products. For additional information, please contact Tosaf.