SAFETY DATA SHEET

Revision: May 26, 2017 **Version 14**

1. PRODUCT AND COMPANY IDENTIFICATION

Trade Name： Globalene™

Product Grades：

1035A NT, 1035A BK, 1045A NT, 1045A BK, 1050A BK S01, 1055A NT, 1055A BK, 1058A NT, 1058A BK, 1065A NT, 1065A BK, 1065A BK EXT, 1365A NT, 1365A BK, 1075A NT, 1075A BK, 1075A BK S01, 1075A BK EXT, 1080A NT, 1080A BK, 1087A NT, 1087A BK, 1040D NT, 1040D BK, 1050D NT, 1050D BK

PRODUCT DESCRIPTION: Thermoplastic Rubber

MANUFACTURE:

LCY Chemical Corp.

Plant Site

No. 2, Jingjian Road, Dashe District,
Kaohsiung City 81567, Taiwan

PHONE NUMBERS

24 Hr. Emergency : (886) 7-351 3211

Taipei Office

3F, 85, Sec. 4, Bade Road, Taipei 105, Taiwan

Emergency : (886) 2-2528 8895

2. HAZARDS IDENTIFICATION

This material is not considered to be hazardous according to regulatory guidelines.

POTENTIAL PHYSICAL / CHEMICAL EFFECTS

WARNING:

May form combustible dust concentrations in air (during processing/handling). Spilled pellets present a slipping hazard cause falls if walked upon on hard surfaces. Thermal burn hazard - contact with hot material may cause serious skin burns.

POTENTIAL HEALTH EFFECTS

If dust is generated, it could scratch the eyes and cause minor irritation to the respiratory tract. When heated, the vapors/fumes given off may cause respiratory tract irritation. Process using adequate ventilation as off gases can be irritating and possibly toxic. Any additives are encapsulated and are not likely to be released except under unusual conditions such as high temperatures and certain grinding operations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Proprietary blends. Not identified by CAS number. Main component are 25038-36-2 and 9003-07-0. All components of these products are listed under TSCA Chemical Substances Inventory.

*Black grades contain carbon black, CAS No. 1333-86-4, within the polymer matrix. The International Agency for Research on Cancer (IARC) has determined that carbon black is possibly carcinogenic to humans (IARC Group 2B). IARC determined that there is inadequate evidence in humans but sufficient evidence in experimental animals for carcinogenicity of carbon black. As a pellet, the materials are encapsulated in plastic so their availability to the body is limited or non-existent.

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NOTE: Information provided on hazardous components applies to their pure, dry form. This material contains inorganic materials encapsulated in plastic. All insoluble dusts can adversely affect the lung when breathed repeatedly over a long period of time. As a pellet, the materials are encapsulated in plastic so their availability to the body is limited or non-existent.

4. FIRST AID MEASURES

INHALATION

At ambient/normal handling temperatures, no adverse effects due to inhalation of dust are expected. In case of adverse exposure to vapors and / or aerosols formed at elevated temperatures, immediately remove the affected victim from exposure to fresh air. If breathing is difficult, give oxygen, get medical attention, and administer artificial respiration if breathing is stopped.

SKIN CONTACT

Wash contact areas with soap and water. Get medical attention if irritation develops or persists.

For molten resin or hot product: Immediately immerse in or flush affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. DO NOT attempt to remove the material from the skin. Removal could result in severe tissue damage.

EYE CONTACT

Flush thoroughly with water for 15 minutes. If irritation occurs, get medical assistance.

INGESTION

First aid is normally not required. Seek medical attention if discomfort occurs. No adverse effects due to ingestion are expected.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA

Appropriate Extinguishing Media: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

Inappropriate Extinguishing Media: Straight Streams of Water.

FIRE FIGHTING

Fire Fighting Instructions:

Assure an extended cooling down period to prevent re-ignition. Evacuate area. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply. Firefighters should use standard protective equipment and in enclosed spaces, self-contained breathing apparatus (SCBA). Use water spray to cool fire exposed surfaces and to protect personnel.

UNSUAL FIRE AND EXPLOSION HAZARDS

Explosion:

Avoid generating dust; fine dust dispersed in air in sufficient concentration and in the presence of an ignition source is a potential dust explosion hazard. Keep ignition sources away from dust fines to avoid an explosion hazard. Plastic bag or liners may cause a static ignition hazards.

Hazardous Combustion Products:

Smoke, Fume, Incomplete combustion products, Oxides of carbon, Formaldehyde, Flammable hydrocarbons. Hazardous decomposition fumes are possible including CO2, CO.

FLAMMABILITY PROPERTIES

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Flash Point: N/A

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Avoid contact with spilled material. Dust deposits should not be allowed to accumulate on surfaces, as these may form an explosive mixture if they are released into the atmosphere in sufficient concentration. Avoid dispersal of dust in the air (for example, clearing dust surfaces with compressed air). Prevent dust exposure to ignition sources. For example, use non-sparking tools and prohibit smoking, flares, sparks or flames in immediate area. Additional protective measures may be necessary, depending on the specific circumstances and/or the expert judgment of the emergency responders.

ENVIRONMENTAL PRECAUTIONS

Prevent entry into waterways, sewers, basements or confined areas.

METHODS AND MATERIALS FOR CONTAINMENT AND CLEAN UP

Land Spill:

Spilled pellets present a slipping hazard on hard surfaces. Prevent dust cloud.

Small Dry Spills:

With clean shovel place material into clean, dry container and cover loosely; move containers from spill area.

Water Spill:

Stop leak if you can do it without risk. Confine the spill immediately with booms. Warn other shipping. Skim from surface.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken.

7. HANDLING AND STORAGE

GENERAL PROCEDURES

Keep away from heat, sparks and flame.

HANDLING

Ground and bond containers when transferring material.

STORAGE

This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers.

STORAGE TEMPERATURE: Ambient

LOADING/UNLOADING TEMPERATURE: Ambient

STORAGE PRESSURE: Ambient

STORAGE TEMPERATURE: Store in a cool place below 140 F, 60 C.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES AND CONTROLS

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Control airborne dust concentration below exposure limits. OSHA Permissible Exposure Limit for nuisance dust is 15 mg/m 3-8 hour TWA. ACGIH Threshold Limit Value for particulates not otherwise classified is 10 mg/m3-8 hour TWA. ACGIH Threshold Limit Value for Carbon Black is 3.5 mg/m3 TWA.

PERSONAL PROTECTION

Respiratory Protection: When required, use NIOSH approved respiratory protection

Hand protection: If product is hot, thermally protective, chemical resistant gloves are recommended. If contact with forearms is likely, wear gauntlet style gloves.

Eye protection: Safety glasses with side shields

9. PHYSICAL AND CHEMICAL PROPERTIES

NOTE

Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Contact the Supplier for additional information.

GENERAL INFORMATION

PHYSICAL STATE: Solid

ODOR: Characteristic

FORM/APPEARANCE: Pellet

COLOR: Natural or Black

MELTING POINT: 150 degree C to 170 degree C (Softening)

SPECIFIC GRAVITY: 0.93-0.98 g/cm^3

10. STABILITY AND REACTIVITY

STABILITY: Material is stable under normal conditions.

HAZARDOUS POLYMERIZATION: NO

CONDITIONS TO AVOID: Keep away from heat, sparks and flame.

HAZARDOUS DECOMPOSITION PRODUCTS: Material does not decompose at ambient temperatures.

11. TOXICOLOGICAL INFORMATION

No specific toxicity tests have been conducted on this product. Our hazard evaluation is based on information from similar products, the ingredients, technical literature, and professional experience.

Acute toxicity of this class of materials is very low. Dense dust generated by the handling and/or processing of this material may be irritating to the eyes, nose, and throat.

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL DATA: Not Available

ECOTOXICOLOGICAL INFORMATION: Not Available

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13. DISPOSAL CONSIDERATIONS

Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

DISPOSAL METHOD:

(1) Recycle (reprocess).

(2) Incineration including energy recovery of waste material in a permitted facility in accordance with local, state or provincial and federal regulations.

(3) Landfilling in a licensed facility in accordance with local, state or provincial and federal regulations.

14. TRANSPORT INFORMATION

DOT Classification

This product is not regulated by DOT.

IMDG Classification

This product is not regulated by IMDG.

ICAO Classification

This product is not regulated by ICAO.

15. REGULATORY INFORMATION

TSCA:

All components of this material are listed on the TSCA Inventory of Chemical Substances or qualify for the TSCA Polymer Exemption.

SARA (Superfund Amendments and Reauthorization Act):

Fire: No

Immediate: No

Delayed: No

Sudden Release: No

CERCLA Reportable Quantity: Not Regulated

Section 302:

Section 304:

Section 313:

EEC: No health hazard classification according to Directive 67/548/EEC. This material is not classified as dangerous according to Directive 1999/45/EC and its amendments.

16. OTHER INFORMATION

NFPA 704M Rating:

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Fire: 1

Health: 0

Reactivity: 0

Special: -

MANUFACTURER DISCLAIMER:

Customers and other users should do their own testing before making commercial use of the product to ensure that the product is fit for the intended application and that the product can be used, and any waste material disposed of, safely, properly, and legally based on the customer's or other user's circumstances. LCY makes no warranties, express or implied, with respect to the product, including (without limitation) warranties of merchantability or fitness for a particular purpose. The customer or other user of the product assumes all risk and liability arising out of the use of the product, whether used alone or in combination with other materials. In no event shall LCY be liable for consequential, special or incidental damages. LCY reserves the right to make additions, deletions or modifications to the information at any time with prior notification.

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