

"Purge"

AsahiKASEI

SAFETY DATA SHEET

Product Name: ASACLEAN™
SDS No.: ASA-Gr1-US-001
First issue: August 28, 2014
Form # 056E

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1. IDENTIFICATION

Product Name: ASACLEAN™ U, newE, newEX, SA, C, SL
SDS Number: ASA-Gr1-US-001

RESPONSIBLE PARTY IN THE USA:

Company Name: Sun Plastech Inc.
Address: 1055 Parsippany Blvd.
Parsippany, NJ 07054
Telephone number: 1-973-257-1999
Facsimile number: 1-973-257-1011

EMERGENCY TELEPHONE NUMBER:

CHEMTREC
Telephone number: 1-800-424-9300 (US/Canada) or 1-703-527-3887 (International)

RECOMMENDED APPLICATION:

Purging compound for thermoplastic injection molding machines and extruders

RESTRICTION ON USAGE:

Usage for the following applications is strictly prohibited:
-Being implanted into human body.
-Invasive or non-invasive contact with human body (including blood, body fluids, etc.) continuously for 30 days or more

2. HAZARD(S) IDENTIFICATIONS

GHS CLASSIFICATION:

PHYSICAL AND CHEMICAL HAZARDS:

Combustible solid: Classification not possible
Metal-corrosive material: Classification not possible
Those items except the above are out of scope for classification.

HEALTH TOXICITY:

Acute toxicity (oral):	Classification not possible
Acute toxicity (dermal):	Classification not possible
Acute toxicity (Inhalation: gases):	Classification not possible
Acute toxicity (Inhalation: vapors):	Classification not possible
Acute toxicity (Inhalation: dusts / mists):	Classification not possible
Skin corrosion / irritation:	Classification not possible
Serious eye damage / eye irritation:	Classification not possible
Respiratory sensitization:	Classification not possible
Skin sensitization:	Classification not possible
Germ cell mutagenicity:	Classification not possible
Carcinogenicity:	Classification not possible
Reproductive toxicity:	Classification not possible
Specific target organ / systemic toxicity (single exposure):	Classification not possible
Specific target organ / systemic toxicity (repeated exposure):	Classification not possible
Aspiration Hazard:	Classification not possible

HAZARDOUS TO THE AQUATIC ENVIRONMENT:

Toxicity to the aquatic environment (acute): Classification not possible
Toxicity to the aquatic environment (chronic): Classification not possible

GHS LABEL ELEMENTS:

Pictograms: None
Signal word: None
Hazard statements: None

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5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Water spray, water-jet and other various fire extinguishers.
SPECIFIC HAZARDS / TOXICITY AT FIRE: May emit gases including carbon monoxide, carbon dioxide, nitrogen oxide, etc.
FIRE-FIGHTING INSTRUCTIONS: Extinguish fire from a windward direction
PROTECTION TO FIRE-FIGHTERS: Wear protective clothing. In case of large amount of gases, emitted, breathing apparatus should be used.

6. ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTION: When both pellets and powders are spilled on the floor, promptly clean to prevent slipping.
ENVIRONMENTAL NOTES: Due to possible adverse affects to fish, birds, etc., immediately clean up any material that may have spilled into bodies of water.
REMOVAL METHOD: Sweep with vacuum cleaner, broom, etc., and dispose of properly.
PREVENTIVE MEASURE OF SECONDARY DISASTER: None

7. HANDLING AND STORAGE

HANDLING: Application temperature: Refer to Table 1 on page 7 of 7.
1) Though there is less likelihood of pellets igniting under normal temperatures, avoid any fire/ignition sources in the vicinity of the product and perform adequate housekeeping to keep the surrounding clean.
2) Cool down purge pile with water.
3) Ensure proper ventilation since resins processed at high temperatures will emit gases. Local ventilation preferably should be provided.

STORAGE:

SUITABLE STORAGE CONDITION:

- 1) Store material in away from heat and ignition sources.
- 2) Avoid direct sunlight.
- 3) Store material away from high temperatures and high humidity.

SAFE CONTAINER MATERIAL FOR PACKING: Use appropriate storage containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Provide local exhaust ventilation for comfortable working environments.

CONTROL OF CONCENTRATION: Not established

EXPOSURE LIMITS: Although ACGIH has not established the allowable concentration for dust, the following values are considered to be appropriate for operation.

ACGIH (2013 version):

Allowable concentration as general dust (TWA)

INHALABLE PARTICULATE: 10mg / m³

RESPIRABLE PARTICULATE: 3 mg / m³

INDIVIDUAL PROTECTION MEASURES:

Respiratory organ: Box respirator for organic gas should be worn when working in areas where inhalation of high temperature gases is possible.
For hand: Wear heat-proof gloves when molten resin is handled.
For eye: During purging operation, resin-made glasses and resin-made goggles with side-shields should be worn.
For skin & body: Work wear with long sleeves is recommended when molten resin is handled.

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11. TOXICOLOGICAL INFORMATION

	Base Resin	Resin Additives	Inorganic Additives (Including GF)	Other Additives	Composition (Product)
Mixing Quotient(%)	38~98	0.3~15	0~60	0~3	100
Acute Toxicity (oral)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Acute Toxicity (Dermal)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Acute Toxicity (Inhalation: gases)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Acute Toxicity (Inhalation: vapor)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Acute Toxicity (Inhalation: dust / mist)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Skin Corrosion / Irritation	Classification not possible (No data available)	Classification not possible (No data available)	Category 2 (newEX)	Classification not possible (No data available)	Classification not possible Remarks*
Serious Eye Damage/ Eye Irritation	Classification not possible (No data available)	Classification not possible (No data available)	Category 2B (newEX)	Classification not possible (No data available)	Classification not possible Remarks*
Respiratory or Skin Sensitization	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Germ Cell Mutagenicity	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Carcinogenicity	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Reproductive Toxicity	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Specific Target Organ / Systemic Toxicity (single exposure)	Classification not possible (No data available)	Classification not possible (No data available)	Category 3 Respiratory tract irritation (newEX)	Classification not possible (No data available)	Classification not possible Remarks*
Specific Target Organ / Systemic Toxicity (repeated exposure)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)
Respiratory Toxicity by Inhalation	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)	Classification not possible (No data available)

(Remarks):

*: Even though the product is classifiable for some items if looked solely as a GF (glass fiber) unit, it's labeled as "Classification not possible" as a form of kneaded-pellet product since it (GF content) is judged as having little effect.

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16. OTHER INFORMATION

This information is furnished without warranty, expressed or implied, except that it is accurate to the best knowledge of Asahi Kasei Chemicals Corporation. It relates only to the specific product designated herein, and does not relate to use in combination with any other material or in any process. Asahi Kasei Chemicals Corporation assumes no legal responsibility for use of or reliance upon this information.

According to our company policy, both usages of this product to purge when producing the following medical equipment written below and to produce general medical equipment itself are strictly prohibited.

- Being implanted into human body.
- Invasive (human body) applications
- Contact with human body (including blood, body fluid, etc.) continuously for 30 days or more.

For any the other medical-related applications, please contact the Asaclean Business Department. (Phone +81-3-3296-3274).

For any query with respect to what is contained herein, please refer to:

Asaclean Technical Group

Asahi Kasei Chemicals Corporation

1-3-1 Yakoh, Kawasaki-ku, Kawasaki City, Kanagawa, 210-0863, Japan;

Tel: +81-44-271-2503, Fax: +81-44-271-2333

(Table1)

Grade Type	Temperature Range for Use (Unit: °C)	Specific Gravity (23°C)
U	180~360	1.25
newE	160~270	1.06
newEX	200~360	1.48
SA	180~360	1.04
C	180~360	1.63
SL	150~300	1.05