Section 1: Identification: Product identifier and chemical identity

Product identifier

Product Name
DigitalABSPlus™ Component, RGD535

Product Code(s)
SDS-06112 EN U

PN (Part Number)
OBJ-03253, OBJ-06268, OBJ-18002

Other means of identification

Proper Shipping Name
ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacylate, Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate)

UN Number
UN3082

Pure substance/mixture
Mixture

Recommended use of the chemical and restrictions on use

Recommended Use
Printing inks

Uses advised against
This product is a cartridge containing ink. Under normal conditions of use, the substance is released from a cartridge only inside an appropriate printing system, and therefore, exposure is limited

Details of manufacturer or importer

Importer
Objective3D Pty Ltd
33-35 Yazaki Way
Carrum Downs, 3201
Victoria, Australia
Phone: +613 9785 2333
Local: +1300 559 454
Fax: +613 9785 2322

Importer
TCL Hofmann
VIC - Braeside
150 Woodlands Drive
Braside VIC 3195
Australia
Phone: +613 8586 2900
Fax: +613 9580 8322

For further information, please contact

E-mail address
info@Stratasys.com

Emergency telephone number

Emergency telephone number
+61 2 8014 4558 - Australia - English Language response

Section 2: Hazard(s) identification

GHS Classification

<table>
<thead>
<tr>
<th>Hazard Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute toxicity - Oral</td>
<td>Category 4 - (H302)</td>
</tr>
<tr>
<td>Skin corrosion/irritation</td>
<td>Category 2 - (H315)</td>
</tr>
<tr>
<td>Serious eye damage/eye irritation</td>
<td>Category 1 - (H318)</td>
</tr>
<tr>
<td>Skin sensitisation</td>
<td>Category 1B - (H317)</td>
</tr>
</tbody>
</table>
Specific target organ toxicity (repeated exposure) Category 2 - (H373)

Label elements

Exclamation mark
Health hazard
Corrosion
Environment

Signal word
Danger

Hazard statements
H302 - Harmful if swallowed
H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H318 - Causes serious eye damage
H373 - May cause damage to organs through prolonged or repeated exposure

Precautionary Statements - Prevention
Wash face, hands and any exposed skin thoroughly after handling
Do not eat, drink or smoke when using this product
Wear protective gloves/protective clothing/eye protection/face protection
Contaminated work clothing should not be allowed out of the workplace
Do not breathe dust/fume/gas/mist/vapours/spray

Precautionary Statements - Response
Get medical advice/attention if you feel unwell
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
Immediately call a POISON CENTER or doctor/physician
IF ON SKIN: Wash with plenty of soap and water
Take off contaminated clothing and wash it before reuse
If skin irritation or rash occurs: Get medical advice/attention
IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
Rinse mouth

Precautionary Statements - Disposal
Dispose of contents/container to an approved waste disposal plant

Other hazards
Toxic to aquatic life with long lasting effects. Toxic to aquatic life.

Section 3: Composition and information on ingredients, in accordance with Schedule 8

Substance
Not applicable

Mixture

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>CAS No</th>
<th>Weight-%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>10-30</td>
</tr>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>10-30</td>
</tr>
<tr>
<td>reaction product of glycolether and Polyol and alicylic disiocyanate and aliphatic acrylate</td>
<td>-</td>
<td>10-30</td>
</tr>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>3-10</td>
</tr>
</tbody>
</table>
Section 4: First aid measures

Description of first aid measures

General advice
Show this safety data sheet to the doctor in attendance. Immediate medical attention is required.

Inhalation
Remove to fresh air. Get medical attention immediately if symptoms occur.

Eye contact
Get immediate medical advice/attention. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area.

Skin contact
Wash off immediately with soap and plenty of water for at least 15 minutes. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a doctor.

Ingestion
Do NOT induce vomiting. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a doctor.

Self-protection of the first aider
Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

Most important symptoms and effects, both acute and delayed

Symptoms

Indication of any immediate medical attention and special treatment needed

Note to doctors
May cause sensitisation in susceptible persons. Treat symptomatically.

Section 5: Firefighting measures

Suitable Extinguishing Media
Use extinguishing agent suitable for type of surrounding fire. Class B fires: Use carbon dioxide (CO2), regular dry chemical (sodium bicarbonate), regular foam (Aqueous Film Forming Foam-AFFF), or water spray to cool containers.

Unsuitable extinguishing media
No information available.

Specific hazards arising from the chemical

Product is or contains a sensitiser. May cause sensitisation by skin contact.

Special protective actions for fire-fighters

Cool containers with flooding quantities of water until well after fire is out. Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Move containers from fire area if you can do it without risk. Use personal protection equipment. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Keep out of drains, sewers, ditches and waterways. Inhalation is a health risk.

Section 6: Accidental release measures
Personal precautions, protective equipment and emergency procedures

Personal precautions
Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Ensure adequate ventilation. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

Other Information
Refer to protective measures listed in Sections 7 and 8.

For emergency responders
Use personal protection recommended in Section 8.

Environmental precautions
Prevent further leakage or spillage if safe to do so.

Methods and material for containment and cleaning up

Methods for containment
Methods for containment.

Methods for cleaning up
Pick up and transfer to properly labelled containers.

Precautions to prevent secondary hazards
Clean contaminated objects and areas thoroughly observing environmental regulations.

Section 7: Handling and storage, including how the chemical may be safely used

Precautions for safe handling

Advice on safe handling
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Wear protective gloves and eye/face protection. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Do not eat, drink or smoke when using this product. Heating may cause a fire.

General hygiene considerations
Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do not eat, drink or smoke when using this product.

Conditions for safe storage, including any incompatibilities

Storage Conditions
Store in a cool, well ventilated area. Store in accordance with local regulations. Keep container tightly closed. Store between 15 °C and 27 °C. Shipment temperature (up to 5 weeks) is -20 °C to 50 °C. Store in a combustible storage area away from heat and open flame.

Incompatible materials

Section 8: Exposure controls and personal protection

Control parameters

Exposure Limits
This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Appropriate engineering controls

Engineering controls
Showers
Eyewash stations
Ventilation systems.
Individual protection measures, such as personal protective equipment

Eye/face protection
Tight sealing safety goggles.

Skin and body protection
Wear suitable protective clothing. Long sleeved clothing.

Hand Protection
Wear suitable gloves. Impervious gloves.

Respiratory protection
No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.

Environmental exposure controls
No information available.

Section 9: Physical and chemical properties

Physical state
liquid

Appearance
Ink cartridge

Odour
Characteristic.

Colour
green

Odour threshold
No information available

<table>
<thead>
<tr>
<th>Property</th>
<th>Values</th>
<th>Remarks • Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH</td>
<td>N/A</td>
<td>None known</td>
</tr>
<tr>
<td>Melting point / freezing point</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Boiling point / boiling range</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flash point</td>
<td>&gt;= 100 - &lt; 250 °C</td>
<td>None known</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Flammability Limit in Air</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Upper flammability limit:</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Lower flammability limit:</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour pressure</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Vapour density</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Relative density</td>
<td>1.09</td>
<td>g/cm³</td>
</tr>
<tr>
<td>Water solubility</td>
<td>Insoluble in water</td>
<td>None known</td>
</tr>
<tr>
<td>Solubility(ies)</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Autoignition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Kinematic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
<tr>
<td>Dynamic viscosity</td>
<td>No data available</td>
<td>None known</td>
</tr>
</tbody>
</table>

Other information

Softening point
No information available

Molecular weight
No information available

VOC Content (%)
No information available

Liquid Density
No information available

Bulk density
No information available

Particle Size
No information available

Particle Size Distribution
No information available

Section 10: Stability and reactivity

Reactivity

Reactivity
No information available.
Chemical stability

Stability
Stable under normal conditions.

Explosion data
- Sensitivity to Mechanical Impact: None.
- Sensitivity to Static Discharge: None.

Possibility of hazardous reactions
Possibility of hazardous reactions
None under normal processing.

Conditions to avoid
Conditions to avoid
None known based on information supplied.

Incompatible materials
Incompatible materials

Hazardous decomposition products
Hazardous decomposition products

Section 11: Toxicological information

Acute toxicity

Information on likely routes of exposure

Product Information

Inhalation
May cause irritation of respiratory tract. (based on components).

Eye contact
Severely irritating to eyes. Causes serious eye damage. May cause burns. May cause irreversible damage to eyes. (based on components).

Skin contact
May cause sensitisation by skin contact. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components). Causes skin irritation.

Ingestion
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed (based on components)

Symptoms

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral) 1,965.30 mg/kg

Unknown acute toxicity
0 % of the mixture consists of ingredient(s) of unknown toxicity
0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity
0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (gas)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (vapour)
0 % of the mixture consists of ingredient(s) of unknown acute inhalation toxicity (dust/mist)

Component Information
### Delayed and immediate effects as well as chronic effects from short and long-term exposure

#### Skin corrosion/irritation
Classification based on data available for ingredients. Irritating to skin.

#### Serious eye damage/eye irritation
Classification based on data available for ingredients. Causes burns. Risk of serious damage to eyes.

#### Respiratory or skin sensitisation
May cause sensitisation by skin contact. Classification based on data available for ingredients.

#### Germ cell mutagenicity
No information available.

#### Carcinogenicity
No information available.

#### Reproductive toxicity
No information available.

#### STOT - single exposure
No information available.

#### STOT - repeated exposure
Classification based on data available for ingredients.

#### Aspiration hazard
No information available.

### Section 12: Ecological information

#### Ecotoxicity

### Ecotoxicity

#### Unknown aquatic toxicity
0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Algae/aquatic plants</th>
<th>Fish</th>
<th>Toxicity to microorganisms</th>
<th>Crustacea</th>
</tr>
</thead>
<tbody>
<tr>
<td>Proprietary</td>
<td>(Pseudokirchneriella subcapitata) : 1.6 mg/l (Method: OECD Test Guideline 201)</td>
<td>(Fish) : 4.95 mg/l</td>
<td>-</td>
<td>(Daphnia magna Straus) : 2.36 mg/l (Method: OECD Test Guideline 202)</td>
</tr>
<tr>
<td>Proprietary</td>
<td>120 mg/l (algae)</td>
<td>-</td>
<td>-</td>
<td>120 mg/kg (daphnia)</td>
</tr>
<tr>
<td>Proprietary</td>
<td>1.98 mg/l Fresh water</td>
<td>0.704 mg/l Fresh water</td>
<td>-</td>
<td>0.524 mg/l Fresh water</td>
</tr>
<tr>
<td>aliphatic methacrylate</td>
<td>2.28 mg/l Fresh water</td>
<td>1.79 mg/l Zebra Fish</td>
<td>-</td>
<td>2.57 mg/l Water Flea</td>
</tr>
<tr>
<td>Tripropylene glycol diacrylate</td>
<td>28: 72 h Desmodesmus subspicatus mg/L EC50</td>
<td>4.5 - 10: 96 h Leuciscus idus mg/L LC50</td>
<td>-</td>
<td>88.7: 48 h Daphnia magna mg/L EC50</td>
</tr>
<tr>
<td>Proprietary</td>
<td>-</td>
<td>90: 96 h Danio rerio µg/L LC50 semi-static</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

#### Persistence and degradability

---

**SDS-06112 - DigitalABSPlus™ Component, RGD535**

**Revision Date**: 21-May-2020
Persistence and degradability  No information available.

Bioaccumulative potential

Bioaccumulation  There is no data for this product.

Mobility

Mobility in soil  No information available.

Mobility  No information available.

<table>
<thead>
<tr>
<th>Chemical name</th>
<th>Partition coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tripropylene glycol diacrylate</td>
<td>2.77</td>
</tr>
</tbody>
</table>

Other adverse effects

Other adverse effects  No information available.

Section 13: Disposal considerations

Waste treatment methods

Waste from residues/unused products  Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging  Do not reuse empty containers.

Section 14: Transport information

Additional information  The environmentally hazardous substance mark is not required when transported in sizes of ≤5L or ≤5kg
                     The marine pollutant mark is not required when transported in sizes of ≤5L or ≤5kg

ADG

UN Number  UN3082
Proper Shipping Name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Hazard Class  9
Packing group  III
Environmental Hazard  Yes
Special Provisions  274, 331, 335, 375, AU01
Description  UN3082,  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
             ((Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate,
             Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III

IATA

UN Number  UN3082
UN proper shipping name  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)  9
Packing group  III
ERG Code  9L
Special Provisions  A97, A158, A197
Description  UN3082,  ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
             ((Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate,
             Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III

IMDG

UN number  UN3082
UN proper shipping name
ENVIROMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
Transport hazard class(es)
9
Packing group
III
EmS-No
F-A, S-F
Special Provisions
274, 335, 969
Marine pollutant
This product contains a chemical which is listed as a severe marine pollutant according to IMDG/IMO
Description
UN3082, ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. ((Octahydro-4,7-methano-1H-indenediyl)bis(methylene)diacrylate, Exo-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl acrylate), 9, III, Marine pollutant

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code
No information available

Section 15: Regulatory information

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

National regulations

Australia
See section 8 for national exposure control parameters

Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Classified as a scheduled poison according to the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP)
Poison Schedule Number
6

International Inventories

TSCA
No information available
DSL/NDSL
No information available
EINECS/ELINCS
Complies
ENCS
Complies
IESCC
Complies
KECL
No information available
PICCS
No information available
AICS
No information available

Legend:
TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IESCC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances

International Regulations
The Montreal Protocol on Substances that Deplete the Ozone Layer  Not applicable

The Stockholm Convention on Persistent Organic Pollutants  Not applicable

The Rotterdam Convention  Not applicable

**Section 16: Any other relevant information**

Prepared By

TSCA;
http://iaspub.epa.gov/sor_internet/registry/substreg/searchandretrieved/searchbylist/search.d
IECSC; http://cciss.cirs-group.com/
EU Regulation 1272/2008
TOMES-LOLI®; http://www.rightanswerknowledge.com/loginRA.asp
UN Recommendations on the transport of dangerous goods 19th Edition
IARC Monographs on the Evaluation of Carcinogenic Risks to Humans;
ECHA CHEM;
OECD SIDS; http://webnet.oecd.org/Hpv/UI/Search.aspx
EPA; http://www.epa.gov/iris
EPISUITE Program ver.4.1
NIOSH (The National Institute for Occupational Safety and Health)
ACGIH (American Conference of Governmental Industrial Hygienists)
Waste Control Act enforcement regulation attached [1]
National chemicals information systems; http://ncis.nier.go.kr
Korea National Fire Agency-Korea dangerous material inventory management system;
http://hazmat.mpss.kfi.or.kr/material.do
Korea Ministry of Employment and Labor Public Notice No. 2016-19
Korea Ministry of Employment and Labor Public Notice No. 2018-24

Revision Date 21-May-2020

Revision Note
The symbol (*) in the margin of this SDS indicates that this line has been revised.

**Key or legend to abbreviations and acronyms used in the safety data sheet**

**Legend**  
**Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

<table>
<thead>
<tr>
<th>TWA</th>
<th>TWA (time-weighted average)</th>
<th>STEL</th>
<th>STEL (Short Term Exposure Limit)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ceiling</td>
<td>Maximum limit value</td>
<td>*</td>
<td>Skin designation</td>
</tr>
<tr>
<td>C</td>
<td>Carcinogen</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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End of Safety Data Sheet