EFT Holdings, Inc. June 1, 2015

**SAFETY DATA SHEET**

**EasyDECON® Part 3**

**SECTION 1 - PRODUCT AND COMPANY IDENTIFICATION**

* 1. **Product identifier**

Product Name: EasyDECON® Part 3 Product Codes(s): D iacetin

Synonyms: 1,2,3-P ropanetriol, diacetate; D iacetylglycerol; G lycerin diacetate; G lycerol diacetate; 1,2-D iacetin; 1,2-D iacetylglycerol

REACH Registration Number: C ontact supplier for details.

* 1. **Relevant identified uses of the substance or mixture and uses advised against General Use: Material for use in industrial and com m ercial form ulation applications Uses advised against: N one known**
	2. **Details of the supplier and of the safety data sheet Distributor:**

EFT Holdings, Inc.

1275 Rock Creek Circle Lafayette, CO 80026

303-309-6309

* 1. **Emergency telephone number**

C hem T el C ontract # MIS 0000288

+ 1-813-248-0585

+ 1-800-255-3924

**SECTION 2 - HAZARDS IDENTIFICATION**

* 1. **Classification of substance or mixture Product definition: Mixture**

Classification (Regulation (EC) No 1272/2008)

N one allocated

* 1. **Label Elements**

Labeling (Regulation (EC) No 1272/2008)

Hazard Symbol(s): Signal Word:

Hazard Statement(s):

N one allocated N one allocated N one allocated

**SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS**

* 1. **Substances**

N ot applicable

* 1. **Mixtures**

Chemical characterization (preparation)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **% by Weight** | **Ingredient** | **CAS Number** | **EC Number** | **Index Number** | **EC Classification** |
| **> 99** | **D iacetin** | **25395-31-7** | **246-941-2** | **------------** | **------------** |

T here are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as haz ardous to the health or the environm ent and hence require reporting in this section.

**SECTION 4 - FIRST AID MEASURES**

* 1. **Description of first aid measures**

Inhalation: If product m ist or vapor causes respiratory irritation or distress, m ove the exposed person to fresh air im m ediately. If breathing is difficult or irregular, adm inister oxygen; if respiratory arrest occurs, start artificial respiration by trained personnel. L oosen tight fitting clothing such as a collar, tie, belt or waistband. If sym ptom s persist, seek m edical attention.

Eyes: Im m ediately flush eyes with large am ounts of water for 15 m inutes, occasionally lifting the upper and lower lids. R em ove contact lenses if present and easy to do, after the first 2 m inutes and continue rinsing. If irritation persists seek m edical attention, preferably from an

ophthalm ologist.

Skin: F lush skin with large am ounts of water while rem oving contam inated clothing and continue rinsing for at least 15 m inutes. W ash contam inated clothing thoroughly before reuse. If irritation occurs or persists, seek m edical attention.

Ingestion: R inse m outh thoroughly with water if the victim is conscious. R em ove dentures, if present. D o not induce vom iting unless directed to do so by m edical personnel. N ever give anything by m outh to an unconscious person. O btain m edical attention im m ediately.

* 1. **Most important symptoms and effects, both acute and delayed Potential health symptoms and effects**

Eyes: May cause m ild, transient irritation with redness and m inor discom fort.

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Skin: May cause skin irritation. L ow haz ard for norm al industrial handling.

Inhalation: May cause irritation of the respiratory tract.

Ingestion: May cause digestive upset with nausea, vom iting and diarrhea.

Chronic: N one known. T he toxicological properties of this substance have not been fully investigated.

* 1. **Indication of any immediate medical attention and special treatment needed Advice to Doctor and Hospital Personnel: T reat sym ptom atically and supportively.**

**SECTION 5 - FIRE FIGHTING MEASURES**

* 1. **Extinguishable media**

Suitable methods of extinction: U se extinguishing m edia such as water fog, water spray, carbon dioxide, dry chem ical and foam .

Unsuitable methods of extinction: N one known

* 1. **Special hazards arising from the substance or mixture**

May be com bustible at high tem peratures. C losed containers m ay explode due to the buildup of pressure when exposed to extrem e heat. D uring em ergency conditions overexposure to decom position products m ay cause a health haz ard. S ym ptom s m ay not be im m ediately apparent. O btain m edical attention.

Explosion hazards: N ot considered to be explosion haz ard.

* 1. **Advice for firefighters**

F ull protective equipm ent including self-contained breathing apparatus should be used. W ater m ay be used to cool closed containers to prevent pressure buildup and possible autoignition or explosion when exposed to extrem e heat. W ater contam inated by this m aterial m ust be contained from being discharged to any waterway, sewer or drain to prevent environm ental contam ination.

**SECTION 6 - ACCIDENTAL RELEASE MEASURES**

* 1. **Personal precautions, protective equipment and emergency procedures**

W ear all appropriate protective equipm ent designated in S ection 8. R em ove all sources of ignition. V entilate the area.

* 1. **Environmental precautions**

A void dispersal of spilled m aterial or run-off and prevent contact with soil and entry into drains, sewers or waterways.

* 1. **Methods and materials for containment and cleaning up**

C over drains and contain spill. C over with a large quantity of inert absorbent. D o not use com bustible m aterial such as saw dust. S hovel or sweep up product and place into an approved container for proper disposal. O bserve possible m aterial restrictions (S ections 7.2 and 10.5). D ispose of waste via a licensed waste disposal contractor.

* 1. **Reference to other sections**

S ee S ection 13 for additional waste treatm ent inform ation.

**SECTION 7 - HANDLING AND STORAGE**

* 1. **Precautions for safe handling**

W ear all appropriate personal protective equipm ent specified in S ection 8. D o not get in eyes or on skin or clothing. If norm al use of m aterial presents a respiratory haz ard, use only adequate ventilation or wear an appropriate respirator. W ash contam inated clothing and shoes before reuse.

Advice on protection against fire and explosion

Material does not present a fire or explosion haz ard.

* 1. **Conditions for safe storage, including any incompatibilities**

S tore in a dry, cool and well-ventilated area, away from incom patible m aterials (see S ection 10.5), food and drink. T ransfer only to approved containers having correct labeling. H ygroscopic m aterial. K eep container tightly closed to prevent m oisture absorption. P rotect container against physical dam age. C ontainers that have been opened m ust be carefully resealed and kept upright to prevent leakage. C ontainers of this m aterial m ay be haz ardous when em pty as they contain product residues. U se appropriate containm ent to avoid environm ental contam ination. V entilate closed areas. D o not take internally. K eep out of reach of children.

* 1. **Specific end uses**

A part from the uses m entioned in S ection 1.2, no other specific uses are stipulated.

**SECTION 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION**

* 1. **Control parameters**

C ontains no substances with occupational exposure values.

* 1. **Exposure controls**

Engineering Measures: T echnical m easures and appropriate working operations should be given priority over the use of personal protective equipm ent. U se adequate ventilation. L ocal exhaust is preferable. R efer to S ection 7.1 for additional data.

Individual protection measures: W ear protective clothing to prevent repeated or prolonged contact with product. P rotective clothing needs to be selected specifically for the workplace, depending on concentrations and quantities of haz ardous substances handled. T he chem ical resistance of the protective equipm ent should be enquired at the representative supplier.

Hygiene measures: F acilities storing or using this m aterial should be equipped with an eyewash station and safety shower. C hange contam inated clothing. P reventive skin protection is recom m ended. W ash hands thoroughly after use, before eating, drinking or using the lavatory.

Eye/face protection: W ear protective goggles or safety glasses with non-perforated side shields and a face shield. R efer to 29 C F R 1910.133, A N S I Z 87.4 or S tandard E N 166.

Hand Protection: W ear gloves recom m ended by glove supplier for protection against m aterials in S ection 3. G loves should be im perm eable to chem icals and oil. B reakthrough tim e of gloves m ust be greater than the intended use period.

Other protective equipment: P rotective clothing. P rotective boots, if the situation requires.

Respiratory Protection: N one required with norm al use. A lways use an approved respirator when vapor/aerosols are generated. W here risk assessm ent shows air-purifying respirators are appropriate use a full-faced respirator with m ulti-purpose com bination (U S ) or type A B E K

(E N 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole m eans of protection, use a full-face supplied air respirator. U se respirators and com ponents tested and approved under appropriate governm ent standards such as N IO S H (U S ) or C E N (E U ).

**SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

* 1. **Information on basic physical and chemical properties Appearance C lear, colorless liquid**

Odor O dorless

Odor Threshold N o data available

Molecular Weight 176.17

Chemical Formula

**C 7H 12O 5**

pH 5 - 6 (50 g/l aqueous solution)

Freezing/Melting Point, Range Initial Boiling Point

N o data available

250 - 280 °C (482 - 536 °F ) @ 760 m m H g

Evaporation Rate N ot applicable

Flammability (solid, gas) N ot applicable

Flash Point 140 °C (284 °F ) closed cup

Autoignition Temperature N o data available

Decomposition Temperature > 200 °C (> 392 °F )

Lower Explosive Limit (LEL) N o data available

Upper Explosive Limit (UEL) N o data available

Vapor Pressure < 0.1 kP a @ 20 °C

Vapor Density 6.1 (A ir = 1)

Specific Gravity 1.17 - 1.18

Viscosity N o data available

Solubility in Water S oluble

Partition Coefficient: n-octanol/water N o data available

Volatiles by Volume @ 70 ºF 0%

* 1. **Other data**

N o data available

**SECTION 10 - STABILITY AND REACTIVITY**

* 1. **Reactivity**

F orm s explosive m ixtures with air on intense heating.

* 1. **Chemical stability**

T his product is stable under recom m ended storage conditions, handling and use. Material is hygroscopic (absorbs m oisture from the air).

* 1. **Possibility of hazardous reactions**

V iolent reactions possible with strong oxidiz ing agents. H az ardous polym eriz ation does not occur.

* 1. **Conditions to avoid**

T em perature extrem es; contact with incom patible m aterials.

* 1. **Incompatible materials**

S trong oxidiz ing agents

* 1. **Hazardous decomposition products**

T herm al decom position products include oxides of carbon.

**SECTION 11 - TOXICOLOGICAL INFORMATION**

* 1. **Information on toxicological effects Acute Oral Toxicity**

L D 50, m ouse: 8,500 m g/kg

Acute inhalation toxicity

N o data available

Acute dermal toxicity

N o data available

Skin irritation/corrosion

May cause skin irritation

Eye irritation/corrosion

May cause m ild, transient eye irritation

Sensitization

N o data available

Genotoxicity in vitro

N o data available

Mutagenicity

N o data available

Specific organ toxicity - single exposure

N o data available

Specific organ toxicity - repeated exposure

N o data available Aspiration hazard N o data available

* 1. **Further information**

T his m aterial is not listed as a carcinogen by IA R C , A C G IH , N T P or O S H A . N o data is available regarding the m utagenicity or teratogenicity of this m aterial in hum ans, nor is there available data that indicates that it causes adverse developm ental or fertility effects in hum ans.

H andle in accordance with good industrial hygiene and safety practice.

**SECTION 12 - ECOLOGICAL INFORMATION**

* 1. **Toxicity**

N o data available

* 1. **Persistence and degradability**

Material is readily biodegradable.

* 1. **Bioaccumulation potential**

N ot expected to bioaccum ulate

* 1. **Mobility in soil**

N o data available

* 1. **Results of PBT and vPvB assessment**

T his product is not identified as a P B T /vP vB substance.

* 1. **Other adverse effects Additional ecological information**

D o not allow m aterial to run into surface waters, wastewater or soil.

A n environm ental haz ard cannot be excluded in the event of unprofessional handling or disposal.

**SECTION 13 - DISPOSAL CONSIDERATIONS**

13.1 Waste treatment methods

Product

Methods of disposal: T he generation of waste should be avoided or m inim iz ed whenever possible. E m pty containers or liners m ay retain som e

product residues. T his m aterial and its container m ust be disposed of in a safe way. D ispose of surplus and non-recyclable products via a licensed waste disposal contractor. D isposal of this product, solutions and any by-products should at all tim es com ply with the requirem ents of environm ental protection and waste disposal legislation and any regional local authority requirem ents. A void dispersal of spilt m aterial and runoff and contact with soil, waterways, drains and sewers.

Hazardous waste: T he classification of this product m ay m eet the criteria for a haz ardous waste.

**SECTION 14 - TRANSPORT INFORMATION**

Note: T ransportation inform ation provided is for reference only. C ustom er is urged to consult 49 C F R 100 - 177, IMD G , IA T A , E C , U nited N ations

T D G and W H MIS (C anada) T D G inform ation m anuals for detailed regulations and exceptions covering specific container siz es, packaging m aterials and m ethods of shipping.

N O T R E G U L A T E D F O R T R A N S P O R T

**SECTION 15 - REGULATORY INFORMATION**

* 1. **Safety, health and environmental regulations/legislation specific for substance or mixture**

U. S. Federal Regulations

OSHA Hazard Communication Standard: T his m aterial is not classified as haz ardous in accordance with O S H A 29 C R F 1910.1200. OSHA Process Safety Management Standard: C hem icals in this product are not regulated under O S H A P S M S tandard 29 C F R 1910.119. EPA Risk Management Planning Standard: C hem icals in this product are not regulated under E P A R MP S tandard (R MP ) 40 C F R P art 68.

EPA Federal Insecticide, Fungicide and Rodenticide Act: T his product is not a registered P esticide under the F IF R A , 40 C F R P art 150.

TSCA Status: A ll com ponents of this product are listed on the T oxic S ubstance C ontrol A ct (T S C A ) Inventory. T his product is not subject to T S C A 12(b) E xport N otification.

Superfund Amendments and Reauthorization Act (SARA)

SARA 313 Information: N one of the chem icals in this product are subject to reporting requirem ents of S ection 313 of the E m ergency P lanning and C om m unity R ight-to K now A ct of 1986.

SARA Section 311/312 Hazard Categories: N one

SARA 302/304 Extremely Hazardous Substance: N one of the chem icals in this product are subject to reporting requirem ents of these sections of T itle III of S A R A .

SARA 302/304 Emergency Planning & Notification: N one of the chem icals in this product are subject to reporting requirem ents of these sections of T itle III of S A R A .

Comprehensive Response Compensation and Liability Act (CERCLA): T his product contains no C E R C L A reportable substances.

Clean Air Act (CAA)

T his product does not contain any substances that listed as H az ardous A ir P ollutants (H A P s) designated in C A A S ection 112 (b). T his product does not contain any C lass 1 O z one depletors.

T his product does not contain any C lass 2 O z one depletors.

Clean Water Act (CWA)

N one of the chem icals in this product are listed as H az ardous S ubstances under the C W A . N one of the chem icals in this product are listed as P riority P ollutants under the C W A .

N one of the chem icals in this product are listed as T oxic P ollutants under the C W A .

U.S. State Regulations

California Prop 65, Safe Drinking Water and Toxic Enforcement Act of 1986:

T his product contains no chem ical(s) known to the state of C alifornia to cause cancer or other reproductive harm .

Other U.S. State Inventories:

D iacetin (C A S #25395-31-7) is not listed on any S tate H az ardous S ubstance Inventories, R ight-to-K now lists and/or A ir Q uality/A ir P ollutants lists.

Canada

WHMIS Hazard Symbol and Classification: N one allocated

Canadian Controlled Products Regulations (CPR): T his product has been classified in accordance with the haz ard criteria of the C ontrolled

P roducts R egulations, and the MS D S contains all the inform ation required by the C ontrolled P roducts R egulations.

Canadian Ingredient Disclosure List (IDL): N one of the substances in this product are listed on the ID L .

Canadian National Pollutant Release Inventory (NPRI): European Economic Community

N one of the substances in this product are listed on the N P R I.

Labeling (67/548/EEC or 1999/45/EC): N one allocated

WGK, Germany (Water danger/protection): 1

Global Chemical Inventory Lists

Country Inventory Name Inventory Listing\*

Canada D om estic S ubstance L ist (D S L ). Y es

Canada N on-D om estic S ubstance L ist (N D S L ) N o

Europe Inventory of N ew and E xisting C hem icals (E IN E C S )

United States T oxic S ubstance C ontrol A ct (T S C A )

Australia A ustralian Inventory of C hem ical S ubstances (A IC S )

New Zealand N ew Z ealand Inventory of C hem icals (N Z IoC )

China Inventory of E xisting C hem ical S ubstances in C hina (IE C S C )

Japan Inventory of E xisting and N ew C hem ical S ubstances (E N C S )

Korea E xisting C hem icals L ist (E C L )

Philippines P hilippine Inventory of C hem icals and C hem ical S ubstances (P IC C S )

Y es Y es Y es Y es Y es Y es Y es Y es

\*"Y es" indicates that all com ponents of this product are in com pliance with the inventory requirem ents adm inistered by the governing country.

\*"N o" indicates that one or m ore com ponents of this product are not on the inventory and are not exem pt from listing.

* 1. **Chemical safety assessment**

F or this product a chem ical safety assessm ent was not carried out.

**SECTION 16 - OTHER INFORMATION**

**Hazardous Material Information System (HMIS) National Fire Protection Association (NFPA)**

**Health**

**1**

**HMIS & NFPA Hazard Rating Legend**

Flammability

**Flammability 1**

**Physical Hazard 0**

**Personal Protection C**

**\* = C hronic H ealth H az ard 0 = IN S IG N IF IC A N T**

**1 = S L IG H T**

**2 = MO D E R A T E**

**3 = H IG H**

**4 = E XT R E ME**

Health

Instability

**1**

**1 0**

Special

**T H E IN F O R MA T IO N P R E S E N T E D IN T H IS S A F E T Y D A T A S H E E T (S D S /MS D S ) W A S P R E P A R E D B Y A T E C H N IC A L P R O F E S S IO N A L B A S E D O N D A T A T H A T T H E Y B E L IE V E IN T H E IR**

**G O O D F A IT H JU D G E ME N T IS A C C U R A T E . H O W E V E R , T H E IN F O R MA T IO N P R O V ID E D H E R E IN IS P R O V ID E D "A S IS ", A N D A L L A N C H E MIC A L C O R P O R A T IO N MA K E S A N D G IV E S N O**

**R E P R E S E N T A T IO N S O R W A R R A N T IE S W H A T S O E V E R , A N D E X P R E S S L Y D IS C L A IMS A L L W A R R A N T IE S R E G A R D IN G S U C H IN F O R MA T IO N A N D T H E P R O D U C T T O W H IC H IT R E L A T E S , W H E T H E R E X P R E S S , IMP L IE D , O R S T A T U T O R Y , IN C L U D IN G W IT H O U T L IMIT A T IO N , W A R R A N T IE S O F A C C U R A C Y , C O MP L E T E N E S S , ME R C A N T A B IL IT Y , N O N -IN F R IN G E ME N T ,**

**P E R F O R MA N C E , S A F E T Y , S U IT A B IL IT Y , S T A B IL IT Y , A N D F IT N E S S F O R A P A R T IC U L A R P U R P O S E , A N D A N Y W A R R A N T IE S A R IS IN G F O R M C O U R S E O F D E A L IN G , C O U R S E O F P E R F O R MA N C E , O R U S A G E O F T R A D E .**

**T H IS S D S /MS D S IS IN T E D N E D O N L Y A S A G U ID E T O T H E A P P R O P R IA T E P R E C A U T IO N A R Y H A N D L IN G O F T H E MA T E R IA L B Y A P R O P E R L Y T R A IN E D P E R S O N U S IN G T H IS P R O D U C T , A N D IS N O T IN T E N D E D T O B E C O MP R E H E N S IV E A S T O T H E MA N N E R A N D C O N D IT IO N S O F U S E , H A N D L IN G , S T O R A G E , O R D IS P O S A L O F T H E P R O D U C T . IN D IV ID U A L S R E C E IV IN G T H IS S D S /MS D S MU S T A L W A Y S E X E R C IS E T H E IR O W N IN D E P E N D E N T JU D G E ME N T IN D E T E R MIN IN G T H E A P P R O P R IA T E N E S S O F S U C H IS S U E S . A C C O R D IN G L Y , A L L A N C H E MIC A L C O R P O R A T IO N A S S U ME S N O L IA B IL IT Y W H A T S O E V E R F O R T H E U S E O F O R R E L IA N C E U P O N T H IS IN F O R MA T IO N . N O S U G G E S T IO N S F O R U S E A R E IN T E N D E D A S , A N D N O T H IN G**

**H E R E IN S H A L L B E C O N S T R U E D A S , A R E C O MME N D A T IO N T O IN F R IN G E A N Y E X IS T IN G P A T E N T S O R T O V IO L A T E A N Y F E D E R A L , S T A T E , O R F O R E IG N L A W S . A L L A N C H E MIC A L C O R P O R A T IO N R E MIN D S Y O U T H A T IT IS Y O U R L E G A L D U T Y T O MA K E A L L IN F O R MA T IO N IN T H IS S D S /MS D S A V A IL A B L E T O Y O U R E MP L O Y E E S .**

**V ersion 1**

**R evision D ate: 10 March 2015**

**P reparation D ate: 22 O ctober 2013**