

SAFETY DATA SHEET ClarityCoat Reducer

1) Identification

PRODUCT IDENTIFIER

Product Name ClarityCoat Reducer

OTHER MEANS OF IDENTIFICATION

Product Code 25906

UN/ID no. UN1263

SKU(s) 25906

RECOMMENDED USE OF THE CHEMICAL AND RESTRICTIONS ON USE

Recommended Use No information available.

Uses advised against No information available

DETAILS OF THE SUPPLIER OF THE SAFETY DATA SHEET

ClarityCoat LLC

Po Box 435

Sioux Falls, SD 57101

Phone: 605-610-8861

EMERGENCY TELEPHONE NUMBER

Emergency Telephone Chemtrec 1-800-424-9300

2) Hazards Identification

CLASSIFICATION

OSHA Regulatory Status

This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)
Flammable Liquids - Category 2 H225 Highly flammable liquid and vapour.

Acute toxicity - Oral	Category 4
Acute toxicity - Inhalation (Dusts/Mists)	Category 4
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Flammable liquids	Category 3

Emergency Overview

Danger

Hazard statements

May cause an allergic skin reaction

Suspected of causing cancer

May cause drowsiness or dizziness

May cause damage to organs through prolonged or repeated exposure

Highly flammable liquid and vapor



Appearance No information available

Physical state liquid

Odor No information available

Precautionary Statements - Prevention

Obtain special instructions before use

Do not handle until all safety precautions have been read and understood Use personal protective equipment as required

Wash face, hands and any exposed skin thoroughly after handling Do not eat, drink or smoke when using this product

Avoid breathing dust/fume/gas/mist/vapors/spray Use only outdoors or in a well-ventilated area

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking Keep container tightly closed

Ground/bond container and receiving equipment Use only non-sparking tools

Take precautionary measures against static discharge Keep cool

Use explosion-proof electrical/ ventilating/ lighting/ equipment

Precautionary Statements - Response

IF exposed or concerned: Get medical advice/attention

IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower IF INHALED: Remove

victim to fresh air and keep at rest in a position comfortable for breathing

IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell Rinse mouth

In case of fire: Use CO2, dry chemical, or foam for extinction

Precautionary Statements - Storage

Store locked up

Store in a well-ventilated place. Keep container tightly closed

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

Hazards not otherwise classified (HNOC) Other Information

- May be harmful in contact with skin
- Harmful to aquatic life with long lasting effects
- Harmful to aquatic life

Unknown acute toxicity 0% of the mixture consists of ingredient(s) of unknown toxicity

3) Composition/Information on Ingredients

Chemical name	CAS No	Weight-%	Trade Secret
Methyl Amyl Ketone	110-43-0	15 - 40	*
Ethylene Glycol Butyl Ether Acetate	112-07-2	15 - 40	*
Ethyl 3-Ethoxypropionate	763-69-9	10 - 30	*
Butyl Acetate	123-86-4	10 - 30	*
Methyl N-Propyl Ketone	107-87-9	3 - 7	*
Methyl Isobutyl Ketone	108-10-1	0.1 - 1	*

*The exact percentage (concentration) of composition has been withheld as a trade secret.

4) First Aid Measures

Description of first aid measures**General advice**

If symptoms persist, call a physician. Do not breathe dust/fume/gas/mist/vapors/spray. Do not get in eyes, on skin, or on clothing.

Eye contact

Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing. If symptoms persist, call a physician.

Skin Contact	Consult a physician if necessary. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.
Inhalation	Remove to fresh air. Call a physician. If breathing is irregular or stopped, administer artificial respiration. Avoid direct contact with skin. Use barrier to give mouth-to-mouth resuscitation.
Ingestion	Rinse mouth. Drink plenty of water. If symptoms persist, call a physician. Do NOT induce vomiting.
Self-protection of the first aider	Use personal protective equipment as required.
Most important symptoms and effects, both acute and delayed	
Symptoms	No information available.

INDICATION OF ANY IMMEDIATE MEDICAL ATTENTION AND SPECIAL TREATMENT NEEDED

Note to physicians Treat symptomatically.

5) Fire-Fighting Measures

SUITABLE EXTINGUISHING MEDIA

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media CAUTION: Use of water spray when fighting fire may be inefficient.

SPECIFIC HAZARDS ARISING FROM THE CHEMICAL

Flammable.

EXPLOSION DATA

Sensitivity to Mechanical Impact None.

Sensitivity to Static Discharge None.

PROTECTIVE EQUIPMENT AND PRECAUTIONS FOR FIREFIGHTERS

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

6) Accidental Release Measures

PERSONAL PRECAUTIONS, PROTECTIVE EQUIPMENT AND EMERGENCY PROCEDURES

Personal precautions Remove all sources of ignition. Use personal protective equipment as required.

ENVIRONMENTAL PRECAUTIONS

Environmental precautions Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. See Section 12 for additional Ecological Information.

METHODS AND MATERIAL FOR CONTAINMENT AND CLEANING UP

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Cover liquid spill with sand, earth or other non-combustible absorbent material. Cover powder spill with plastic sheet or tarp to minimize spreading. Pick up and transfer to properly labeled containers. Soak up with inert absorbent material.

7) Handling and Storage

PRECAUTIONS FOR SAFE HANDLING

Advice on safe handling

Avoid contact with skin, eyes or clothing. Use personal protective equipment as required. Wash contaminated clothing before reuse. Do not breathe dust/fume/gas/mist/vapors/spray. Do not eat, drink or smoke when using this product.

CONDITIONS FOR SAFE STORAGE, INCLUDING ANY INCOMPATIBILITIES**Storage Conditions**

Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Incompatible materials

None known based on information supplied.

8) Exposure Controls/Personal Protection**CONTROL PARAMETERS****Exposure Guidelines**

Chemical name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Methyl Amyl Ketone 110-43-0	TWA: 50 ppm	TWA: 100 ppm TWA: 465 mg/m ³ (vacated) TWA: 100 ppm (vacated) TWA: 465 mg/m ³	IDLH: 800 ppm TWA: 100 ppm TWA: 465 mg/m ³
Ethylene Glycol Butyl Ether Acetate 112-07-2	TWA: 20 ppm	-	TWA: 5 ppm TWA: 33 mg/m ³
Butyl Acetate 123-86-4	STEL: 150 ppm TWA: 50 ppm	TWA: 150 ppm TWA: 710 mg/m ³ (vacated) TWA: 150 ppm (vacated) TWA: 710 mg/m ³ (vacated) STEL: 200 ppm (vacated) STEL: 950 mg/m ³	IDLH: 1700 ppm TWA: 150 ppm TWA: 710 mg/m ³ STEL: 200 ppm STEL: 950 mg/m ³
Methyl N-Propyl Ketone 107-87-9	STEL: 150 ppm	TWA: 200 ppm TWA: 700 mg/m ³ (vacated) TWA: 200 ppm (vacated) TWA: 700 mg/m ³ (vacated) STEL: 250 ppm (vacated) STEL: 875 mg/m ³	IDLH: 1500 ppm TWA: 150 ppm TWA: 530 mg/m ³
Methyl Isobutyl Ketone 108-10-1	STEL: 75 ppm TWA: 20 ppm	TWA: 100 ppm TWA: 410 mg/m ³ (vacated) TWA: 50 ppm (vacated) TWA: 205 mg/m ³ (vacated) STEL: 75 ppm (vacated) STEL: 300 mg/m ³	IDLH: 500 ppm TWA: 50 ppm TWA: 205 mg/m ³ STEL: 75 ppm STEL: 300 mg/m ³

NIOSH IDLH Immediately Dangerous to Life or Health

Other Information

Vacated limits revoked by the Court of Appeals decision in AFL-CIO v. OSHA, 965 F.2d 962 (11th Cir., 1992).

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

No special technical protective measures are necessary.

Respiratory protection

If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.

General Hygiene Considerations Handle in accordance with good industrial hygiene and safety practice.

9) Physical and Chemical Properties

INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical state	Liquid	Odor	No information available
Appearance	No information available	Odor threshold	No information available
Color	No information available		
Property	Values	Remarks • Method	
pH	No information available		
Melting point / freezing point	No information available		
Boiling point / boiling range	>= 102 °C / 216 °F		
Flash point	24 °C / 75 °F		
Evaporation rate	No information available		
Flammability (solid, gas)	No information available		
Flammability Limit in Air			
Upper flammability limit:	No information available		
Lower flammability limit:	No information available		
Vapor pressure	No information available		
Vapor density	No information available		
Specific Gravity	0.88		
Water solubility	No information available		
Solubility in other solvents	No information available		
Partition coefficient	No information available		
Autoignition temperature	No information available		
Decomposition temperature	No information available		
Kinematic viscosity	No information available		
Dynamic viscosity	No information available		
Explosive properties	No information available		
Oxidizing properties	No information available		

Other Information

Softening point	No information available
Molecular weight	No information available
Liquid Density	7.31 lbs/gal
Bulk density	No information available
Percent solids by weight	0.0%
Percent volatile by weight	100.0%
Percent solids by volume	0.0%
Actual VOC (lbs/gal)	7.3
Actual VOC (grams/liter)	875.5
EPA VOC (lbs/gal)	7.3
EPA VOC (grams/liter)	875.5
EPA VOC (lb/gal solids)	0

10) Stability and Reactivity

REACTIVITY

No data available

CHEMICAL STABILITY

Stable under recommended storage conditions.

POSSIBILITY OF HAZARDOUS REACTIONS

None under normal processing.

CONDITIONS TO AVOID

Extremes of temperature and direct sunlight.

INCOMPATIBLE MATERIALS

None known based on information supplied.

HAZARDOUS DECOMPOSITION PRODUCTS

None known based on information supplied.

11) Toxicological Information

Information on likely routes of exposure

Product Information	No data available
Inhalation	No data available.
Eye contact	No data available.
Skin Contact	No data available.
Ingestion	No data available.

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Methyl Amyl Ketone 110-43-0	= 1600 mg/kg (Rat) = 1670 mg/kg (Rat)	= 12.6 mL/kg (Rabbit) = 12600 µL/kg (Rabbit)	2000 - 4000 ppm (Rat) 6 h
Ethylene Glycol Butyl Ether Acetate 112-07-2	= 2400 mg/kg (Rat)	= 1500 mg/kg (Rabbit)	> 400 ppm (Rat) 4 h
Ethyl 3-Ethoxypropionate 763-69-9	= 5 g/kg (Rat)	> 9500 mg/kg (Rabbit) = 10 mL/kg (Rabbit)	> 5.96 mg/L (Rat) 6 h
Butyl Acetate 123-86-4	= 10768 mg/kg (Rat)	> 17600 mg/kg (Rabbit)	= 390 ppm (Rat) 4 h
Methyl N-Propyl Ketone 107-87-9	= 1600 mg/kg (Rat)	= 6500 mg/kg (Rabbit) = 6480 mg/kg (Rat)	2000 - 4000 ppm (Rat) 4 h
Methyl Isobutyl Ketone 108-10-1	= 2080 mg/kg (Rat)	= 3000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h

INFORMATION ON TOXICOLOGICAL EFFECTS

Symptoms No information available.

DELAYED AND IMMEDIATE EFFECTS AS WELL AS CHRONIC EFFECTS FROM SHORT AND LONG-TERM EXPOSURE

Sensitization No information available.

Germ cell mutagenicity No information available.

Carcinogenicity The table below indicates whether each agency has listed any ingredient as a carcinogen.

Chemical name	ACGIH	IARC	NTP	OSHA
Ethylene Glycol Butyl Ether Acetate 112-07-2	A3	-	-	-
Methyl Isobutyl Ketone 108-10-1	A3	Group 2B	-	X

ACGIH (American Conference of Governmental Industrial Hygienists)

A3 - Animal Carcinogen

IARC (International Agency for Research on Cancer)

Group 2B - Possibly Carcinogenic to Humans

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

X - Present

Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Chronic toxicity	May cause adverse effects on the bone marrow and blood-forming system. May cause adverse liver effects.
Target organ effects	blood, Central nervous system, Eyes, Hematopoietic System, kidney, liver, Peripheral Nervous System (PNS), Respiratory system, Skin.
Aspiration hazard	No information available.

Numerical measures of toxicity - Product Information

The following values are calculated based on chapter 3.1 of the GHS document mg/kg mg/l

12) Ecological Information

ECOTOXICITY

Harmful to aquatic life with long lasting effects

0% of the mixture consists of component(s) of unknown hazards to the aquatic environment

Chemical name	Algae/aquatic plants	Fish	Crustacea
Methyl Amyl Ketone 110-43-0	-	126 - 137: 96 h Pimephales promelas mg/L LC50 flow-through	-
Ethylene Glycol Butyl Ether Acetate 112-07-2	500: 72 h Desmodesmus subspicatus mg/L EC50	-	37: 48 h Daphnia magna mg/L EC50
Ethyl 3-Ethoxypropionate 763-69-9	-	62: 96 h Pimephales promelas mg/L LC50 static	970: 48 h Daphnia magna mg/L EC50
Butyl Acetate 123-86-4	674.7: 72 h Desmodesmus subspicatus mg/L EC50	100: 96 h Lepomis macrochirus mg/L LC50 static 17 - 19: 96 h Pimephales promelas mg/L LC50 flow-through 62: 96 h Leuciscus idus mg/L LC50 static	72.8: 24 h Daphnia magna mg/L EC50
Methyl N-Propyl Ketone 107-87-9	-	1190 - 1290: 96 h Pimephales promelas mg/L LC50 flow-through	-
Methyl Isobutyl Ketone 108-10-1	400: 96 h Pseudokirchneriella subcapitata mg/L EC50	496 - 514: 96 h Pimephales promelas mg/L LC50 flow-through	170: 48 h Daphnia magna mg/L EC50

PERSISTENCE AND DEGRADABILITY

No information available.

BIOACCUMULATION

No information available.

Chemical name	Partition coefficient
Methyl Amyl Ketone 110-43-0	1.98
Ethylene Glycol Butyl Ether Acetate 112-07-2	1.51
Ethyl 3-Ethoxypropionate 763-69-9	1.35
Butyl Acetate 123-86-4	1.81
Methyl N-Propyl Ketone 107-87-9	0.91
Methyl Isobutyl Ketone 108-10-1	1.19
Acetone 67-64-1	-0.24
Ethyl Benzene 100-41-4	3.118

OTHER ADVERSE EFFECTS No information available

13) Disposal Considerations

WASTE TREATMENT METHODS

Disposal of wastes This material, as supplied, is a hazardous waste according to federal regulations (40CFR 261).

Contaminated packaging Do not reuse container.

US EPA Waste Number D001 U161

Chemical name	RCRA	RCRA - Basis for Listing	RCRA - D Series Wastes	RCRA - U Series Wastes
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Methyl Isobutyl Ketone 108-10-1	-	Included in waste stream: F039	-	U161
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This product contains one or more substances that are listed with the State of California as a hazardous waste.

Chemical name	California Hazardous Waste Status
Butyl Acetate 123-86-4	Toxic
Methyl N-Propyl Ketone 107-87-9	Toxic Ignitable

14) Transport Information

DOT

UN/ID no UN1263
Proper shipping name Paint related material
Hazard class 3
Packing Group III
Reportable Quantity (RQ) (Butyl Acetate: RQ (kg)= 2270.00)
Special Provisions B1, B52, IB3, T2, TP1, TP29
Description UN1263, Paint related material, 3, III

Emergency Response Guide Number

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TDG

UN/ID no UN1263
Proper shipping name Paint related material
Hazard class 3
Packing Group III
Special Provisions 59, 83
Description UN1263, Paint related material, 3, III

MEX

UN/ID no UN1263
Proper shipping name Paint related material
Hazard class 3
Special Provisions 163, 223
Packing Group III
Description UN1263, Paint related material, 3, III

ICAO (air)

UN/ID no UN1263
Proper shipping name Paint related material
Hazard class 3
Packing Group III
Special Provisions A3, A72
Description UN1263, Paint related material, 3, III

IATA

UN Number UN1263
Proper shipping name Paint related material
Transport hazard class(es) 3
Packing Group III
ERG Code 3L
Special Provisions A3, A72
Description UN1263, Paint related material, 3, III

IMDG

UN Number UN1263

Transport hazard class(es)	3
Packing Group	III
EmS-No	F-E, S-E
Special Provisions	163, 223, 955

Description UN1263, Paint related material, 3, III, (24°C c.c.)

RID	
UN/ID no	UN1263
Proper shipping name	Paint related material
Transport hazard class(es)	3
Packing Group	III
Classification code	F1
Special Provisions	163, 640E, 650
Description	UN1263, Paint related material, 3, III
Labels	3

ADR	
UN Number	UN1263
Proper shipping name	Paint related material
Transport hazard class(es)	3
Packing Group	III
Classification code	F1
Tunnel restriction code	(D/E)
Special Provisions	163, 640E, 650
Description	UN1263, Paint related material, 3, III, (D/E)
Labels	3

ADN	
Proper shipping name	Paint related material
Transport hazard class(es)	3
Packing Group	III
Classification code	F1
Special Provisions	163, 640E, 650
Description	UN1263, Paint related material, 3, III
Hazard label(s)	3
Limited quantity (LQ)	5 L
Ventilation	VE01
Equipment Requirements	PP, EX, A

15) Regulatory Information

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
IECSC	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

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
 IECSC - 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

US Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

Chemical name	SARA 313 - Threshold Values %
Ethylene Glycol Butyl Ether Acetate	1.0

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	No
Fire hazard	Yes
Sudden release of pressure hazard	No
Reactive Hazard	No

CWA (Clean Water Act)

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

Chemical name	CWA - Reportable Quantities	CWA - Toxic Pollutants	CWA - Priority Pollutants	CWA - Hazardous Substances
Butyl Acetate 123-86-4	5000 lb	-	-	X

CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

Chemical name	Hazardous Substances RQs	CERCLA/SARA RQ	Reportable Quantity (RQ)
Butyl Acetate 123-86-4	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ
Methyl Isobutyl Ketone 108-10-1	5000 lb	-	RQ 5000 lb final RQ RQ 2270 kg final RQ

US State Regulations**California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical name	California Proposition 65
Methyl Isobutyl Ketone - 108-10-1	Carcinogen Developmental

U.S. State Right-to-Know Regulations

Chemical name	New Jersey	Massachusetts
Methyl Amyl Ketone 110-43-0	X	X
Ethylene Glycol Butyl Ether Acetate 112-07-2	X	-
Butyl Acetate 123-86-4	X	X
Methyl N-Propyl Ketone 107-87-9	X	X
Methyl Isobutyl Ketone 108-10-1	X	X

Chemical name	Pennsylvania
Methyl Amyl Ketone 110-43-0	X
Ethylene Glycol Butyl Ether Acetate 112-07-2	X
Butyl Acetate 123-86-4	X
Methyl N-Propyl Ketone 107-87-9	X

U.S. EPA Label Information

EPA Pesticide Registration Number Not applicable

Hazardous air pollutants (HAPS) content

Standards for Hazardous Air Pollutants' (present individually at 1% by weight, or greater):

Chemical name	Weight % of HAPS in Product	Pounds HAPS / Gal Product
Ethylene Glycol Butyl Ether Acetate 112-07-2	30.40%	2.22

16) Other Information, Including Date of Preperation of the Last Revision

NFPA	Health hazards 2	Flammability 3	Instability 0	Physical and Chemical Properties -
HMIS	Health hazards 2 *	Flammability 3	Physical hazards 0	Personal protection X

Chronic Hazard Star Legend * = *Chronic Health Hazard*

Revision Date 16-Aug-2019

Revision Note

No information available

DISCLAIMER

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Shipping information may vary based upon container size and shipping destination. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage, or release to the environment. The manufacturer assumes no responsibility for injury to the recipient or third persons, or for any damages to any property resulting from misuse of the product.