SAFETY DATA SHEET

Revision Date 07-Aug-2015 **Version** 1

1. IDENTIFICATION

Product identifier

Product Name LQ ABS 001 .000% BROWN #2 (MASSTONE) LC

Other means of identification

Product Code OM84660462

Recommended use of the chemical and restrictions on use

Recommended Use Colorant / Additive or base polymer used for manufacture of plastic components.

Uses advised against No information available

Details of the supplier of the safety data sheet

Supplier Address

Clariant Corporation
BU Masterbatches
85 Industrial Drive
Holden, MA 01520
Phone: 508-829-6321

Information of the substance/preparation:

Product Safety: Product Stewardship: 1-517-629-7703 / 1-704-331-7710 (8:00 a.m. - 6:00 p.m. EST Monday - Friday)

Emergency telephone number

Emergency Telephone Chemtrec 1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS Classification

OSHA Regulatory Status
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Serious eye damage/eye irritation	Category 2A
Germ cell mutagenicity	Category 2
Carcinogenicity	Category 2
Specific target organ toxicity (single exposure)	Category 3
Specific target organ toxicity (repeated exposure)	Category 2

GHS Label elements

Warning

Hazard statements
Causes serious eye irritation
Suspected of causing genetic defects
Suspected of causing cancer
May cause respiratory irritation. May cause drowsiness or dizziness
May cause damage to organs through prolonged or repeated exposure

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
Wear eye/face protection
Do not breathe dust/fume/gas/mist/vapors/spray
Use only outdoors or in a well-ventilated area

Precautionary Statements - Response
IF exposed or concerned: Get medical advice/attention
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing
If eye irritation persists: Get medical advice/attention
IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

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)
Not applicable

Other Information
Toxic to aquatic life with long lasting effects
Toxic to aquatic life

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance
This chemical is considered hazardous by the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200).

Chemical Name	CAS No.	Weight-%	Trade Secret
Iron oxide (Fe2O3)	1309-37-1	10 - 30	*
Proprietary Ingredient	Proprietary	10 - 30	*
Proprietary Chromium Compound	Proprietary	1 - 5	*
Carbon Black	1333-86-4	1 - 5	*
Chromium oxide (Cr2O3)	1308-38-9	1 - 5	*

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

4. FIRST AID MEASURES

Description of first aid measures

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Seek immediate medical attention/advice. Remove contact lenses, if present and easy to do. Continue rinsing.

Skin Contact Remove contaminated clothing and shoes. Wash skin with soap and water. Wash off immediately with plenty of water for at least 15 minutes. Get medical attention if irritation develops and persists.

Inhalation IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Administer oxygen if breathing is difficult. If symptoms persist, call a physician.

Ingestion Rinse mouth. Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

Most important symptoms and effects, both acute and delayed

Symptoms The most important known symptoms and effects are described in Section 11.

Indication of any immediate medical attention and special treatment needed

Note to physicians ASPIRATION HAZARD IF SWALLOWED - CAN ENTER LUNGS AND CAUSE DAMAGE.

5. FIRE-FIGHTING MEASURES

Flash point	No information available
Flammability Limit in Air	
Upper flammability limit:	No information available
Lower flammability limit:	No information available
Self ignition	No information available
Ignition temperature	No information available
Minimum Ignition Energy	No information available
Impact Sensitivity	No information available
Hazardous combustion products	Carbon monoxide. Carbon dioxide (CO2). Hydrocarbons. Hydrogen chloride. Hazardous decomposition products due to incomplete combustion. Nitrogen oxides (NOx). Hazardous Organic Compounds. Aldehydes. Hazardous metal fumes and oxides. Emits toxic and/or corrosive gases.
Suitable extinguishing media	Water spray (fog). Carbon dioxide (CO2). Foam. Dry chemical.
Unsuitable extinguishing media	Do not scatter spilled material with high pressure water streams.

Specific hazards arising from the chemical

Combustible material. In the event of fire and/or explosion do not breathe fumes. Thermal decomposition can lead to release of irritating and toxic gases and vapors. Runoff may pollute waterways. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

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 Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Wash thoroughly after handling.

Environmental precautions

Environmental precautions 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. Dike far ahead of spill; use dry sand to contain the flow of material.

Methods for cleaning up Prevent product from entering drains. Use only non-sparking tools. Take precautionary measures against static discharges. Take up with sand or other non-combustible absorbent material and place into containers for later disposal. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Do not breathe dust/fume/gas/mist/vapors/spray. Keep away from heat, sparks, flame and other sources of ignition (i.e., pilot lights, electric motors and static electricity).

Conditions for safe storage, including any incompatibilities

Storage Conditions Keep in a dry, cool and well-ventilated place. Keep container tightly closed. Do not store near combustible materials. Keep in an area equipped with sprinklers. Keep from freezing.

Incompatible materials Strong oxidizing agents. Strong acids. Strong bases. Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Exposure Guidelines .

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Iron oxide (Fe2O3) 1309-37-1	TWA: 5 mg/m³ respirable fraction	TWA: 10 mg/m³ fume TWA: 15 mg/m³ total dust TWA: 5 mg/m³ respirable fraction (vacated) TWA: 10 mg/m³ fume and total dust Iron oxide (vacated) TWA: 5 mg/m³ respirable fraction regulated under Rouge	IDLH: 2500 mg/m³ Fe dust and fume TWA: 5 mg/m³ Fe dust and fume
Proprietary Chromium Compound	-	TWA: 0.5 mg/m³ Cr (vacated) TWA: 0.5 mg/m³ Cr (vacated) Ceiling: 0.1 mg/m³ Ceiling: 0.1 mg/m³ CrO3 applies to any operations or sectors for which the Hexavalent Chromium standard [29 CFR 1910.1026] is stayed or is otherwise not in effect	IDLH: 15 mg/m³ Cr(VI) IDLH: 25 mg/m³ Cr(III) TWA: 0.0002 mg/m³ Cr TWA: 0.5 mg/m³ Cr
Carbon Black 1333-86-4	TWA: 3 mg/m³ inhalable fraction	TWA: 3.5 mg/m³ (vacated) TWA: 3.5 mg/m³	IDLH: 1750 mg/m³ TWA: 3.5 mg/m³ TWA: 0.1 mg/m³ Carbon black in presence of Polycyclic aromatic hydrocarbons PAH
Chromium oxide (Cr2O3) 1308-38-9	TWA: 0.5 mg/m³ Cr	TWA: 0.5 mg/m³ Cr (vacated) TWA: 0.5 mg/m³ Cr	IDLH: 25 mg/m³ Cr(III) TWA: 0.5 mg/m³ Cr

Appropriate engineering controls

Engineering Controls

Showers
Eyewash stations
Ventilation systems. Local exhaust recommended when appropriate to control employee exposure to dust or process vapors.

Individual protection measures, such as personal protective equipment

Eye/face protection Safety glasses with side-shields. Chemical Splash Goggles with Face Shield.

Hand Protection Wear protective nitrile rubber gloves.

Skin and body protection Wear appropriate personal protective clothing to prevent skin contact.

Respiratory protection Respiratory protection is not required under normal use. Use NIOSH/MSHA approved respirators following manufacturer's recommendations where mist or spray mist may be generated.

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		
Appearance	liquid	**Odor**	No significant odor
Color	Varies	**Odor threshold**	No information available

Property	**Values**	**Remarks • Method**
pH	No information available	
Melting point/freezing point	No information available	
Boiling point / boiling range	No information available	
Flash point	No information available	
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	No information available	
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	
Minimum Ignition Energy	No information available	
Impact Sensitivity	No information available	
Kinematic viscosity	No information available	
Dynamic viscosity	No information available	
Explosive properties	No information available	
Oxidizing properties	No information available	

10. STABILITY AND REACTIVITY

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated

Chemical stability
Stable.

Possibility of Hazardous Reactions
Under normal conditions of storage and use, hazardous reactions will not occur.

Conditions to avoid
Avoid open flames, sources of ignition and excessive heat.

Incompatible materials
Strong oxidizing agents. Strong acids. Strong bases. Strong reducing agents.

Hazardous Decomposition Products
Hydrocarbons. Hazardous Organic Compounds. Hydrogen chloride. Aldehydes.

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Product Information No data available

Inhalation Aspiration into lungs can produce severe lung damage.

Eye contact See Section 2 for any known hazards.

Skin Contact See Section 2 for any known hazards.

Ingestion Not an expected route of exposure.

Numerical measures of toxicity - Component Information

The information provided on the hazardous ingredient(s) listed below applies to the individual ingredient(s) in their pure form. The form of the ingredient(s) provided to you is either liquid or encapsulated in plastic and as a consequence the values presented by this data may not be representative of the finished product. No data exists on the finished product. Individual component information is listed below

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Iron oxide (Fe2O3) 1309-37-1	> 2,000 mg/kg (Rat)	-	> 219 mg/m³ (Rat) 4 h
Proprietary Ingredient	> 34,600 mg/kg (Rat)	> 10,250 mg/kg (Rat)	> 17,300 mg/L (Rat) 4 h
Proprietary Chromium Compound	> 5,000 mg/kg (Rat)	-	-
Carbon Black 1333-86-4	> 5,000 mg/kg (Rat)	> 3,000 mg/kg (Rat)	-
Chromium oxide (Cr2O3) 1308-38-9	> 5,000 mg/kg (Rat)	-	= 5.41 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
Iron oxide (Fe2O3) 1309-37-1	-	Group 3	-	-
Proprietary Chromium Compound	-	Group 3	-	-
Carbon Black 1333-86-4	A3	Group 2B	-	X
Chromium oxide (Cr2O3) 1308-38-9	-	Group 3	-	-

Reproductive toxicity No information available.
STOT - single exposure No information available.
STOT - repeated exposure No information available.
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 .

ATEmix (oral)	6613 mg/kg
ATEmix (dermal)	35877 mg/kg mg/l
ATEmix (inhalation-dust/mist)	7 mg/l

12. ECOLOGICAL INFORMATION

Ecotoxicity Toxic to aquatic life with long lasting effects

Persistence and degradability No information available.

Bioaccumulation No information available.

Other adverse effects No information available

Ozone depletion potential (ODP) No information available

13. DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal of wastes Disposal should be in accordance with applicable regional, national and local laws and regulations.

14. TRANSPORT INFORMATION

DOT Not regulated

TDG Not regulated

IATA Not regulated

IMDG Not regulated

15. REGULATORY INFORMATION

International Inventories

TSCA All components of this product are listed or excluded from listing on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) Inventory

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

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	Weight-%	SARA 313 - Threshold Values %
C.I. Pigment Yellow 119 (Zinc ferrite brown spinel) - 68187-51-9	10 - 30	1.0
Proprietary Chromium Compound -	1 - 5	1
Chromium oxide (Cr2O3) - 1308-38-9	1 - 5	1

SARA 311/312 Hazard Categories

Acute health hazard	Yes
Chronic Health Hazard	Yes
Fire hazard	No
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
C.I. Pigment Yellow 119 (Zinc ferrite brown spinel) 68187-51-9	-	X	-	-
Proprietary Chromium Compound	-	X	-	-
Chromium oxide (Cr2O3) 1308-38-9	-	X	-	-

CERCLA

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355). There may be specific reporting requirements at the local, regional, or state level pertaining to releases of this material

16. OTHER INFORMATION, INCLUDING DATE OF PREPARATION OF THE LAST REVISION

Revision Date 07-Aug-2015
Revision Note
No information available

Disclaimer

This information is supplied under the OSHA Hazard Communication Standard, 29 CFR 1910.1200, and is offered in good faith based on data available to us that we believe to be true and accurate. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable to the material. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate for that use. No warranty, express or implied, is made regarding the accuracy of this data, the hazards connected with the use of the material, or the results to be obtained from the use thereof. We assume no responsibility for damage or injury from the use of the product described herein. Data provided here are typical and not intended for use as product specifications.

End of Safety Data Sheet