Safety Data Sheet: MEGA TOP COAT BLACK

Supercedes Date 11/21/2011 **Issuing Date** 09/15/2014

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name MEGA TOP COAT BLACK
Recommended use Non-Slip Coating
Information on Manufacturer
Mega Metals,Partsmaster,Div of NCH Corp.
P.O. Box 655326
Dallas, TX 75265-5326

Product Code 00200083
Chemical nature mixture
Emergency Telephone Number
CHEMTREC® 800-424-9300
Telephone inquiry
800-336-0450

2. HAZARD IDENTIFICATION

Color Black **Physical State** Aerosol **Odor** Aromatic

GHS Classification

Physical Hazards

Flammable aerosols	Category 1
Gases under pressure	Compressed Gas

Health Hazard

Acute Oral Toxicity	Category 4
Acute Inhalation Toxicity - Gas	Category 4
Acute Inhalation Toxicity - Dusts and Mists	Category 4
Skin Corrosion/Irritation	Category 3
Serious Eye Damage/Eye Irritation	Category 2
Germ Cell Mutagenicity	Category 1B
Carcinogenicity	Category 1A
Specific target organ systemic toxicity (single exposure)	Category 3
Specific target organ systemic toxicity (repeated exposure)	Category 2

Other hazards
None

Labeling
Signal Word
DANGER

Hazard Statements
H222 - Extremely flammable aerosol
H319 - Causes serious eye irritation
H302 - Harmful if swallowed
H332 - Harmful if inhaled
H336 - May cause drowsiness or dizziness
H340 - May cause genetic defects
H350 - May cause cancer
H373 - May cause damage to organs through prolonged or repeated exposure
H280 - Contains gas under pressure; may explode if heated

Precautionary Statements
P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P210 - Keep away from heat, sparks, open flames or hot surfaces.
P211 - Do not spray on an open flame or other ignition source
P251 - Pressurized container: Do not pierce or burn, even after use
P260 - Do not breathe mist or gas.
P271 - Use in a well-ventilated area.
P270 - Do not eat, drink or smoke when using this product
P281 - Use personal protective equipment as required
P280 - Wear protective gloves, protective clothing and eye protection.
P264 - Wash face, hands and any exposed skin thoroughly after handling.
P308 + P313 - IF exposed or concerned, get medical attention
P301+ P312 - IF SWALLOWED: Call a physician if unwell
P330 - Rinse mouth
P304 + P340 - IF INHALED: Remove person to fresh air and keep at rest in a position comfortable for breathing.
P312 - Call a physician if unwell.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313 - If eye irritation persists, get medical attention.
P410 + P412 - Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F
P403 - Store in a well-ventilated place

P405 - Store locked up
P501 - Dispose of contents and container to an approved waste disposal plant.

26.14 % of the mixture consists of ingredient(s) of unknown toxicity

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS-No	Weight %
Acetone	67-64-1	15-40
Propane	74-98-6	15-40
Butane	106-97-8	5-10
Xylenes (o-, m-, p- isomers)	1330-20-7	5-10
Propylene glycol monomethyl ether acetate	108-65-6	5-10
Methylisobutyl ketone	108-10-1	5-10
Calcium carbonate	1317-65-3	1-5
Silicon dioxide	112926-00-8	1-5
Ethyl benzene	100-41-4	1-5

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4. FIRST AID MEASURES

General advice Avoid contact with skin, eyes and clothing. Avoid breathing vapors, mist, or gas.

Eye Contact Rinse thoroughly with plenty of water, also under the eyelids. Get medical attention if irritation develops and persists.

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

Inhalation If inhaled, remove to fresh air. Get medical attention if symptoms occur. Call a physician or poison control center immediately.

Ingestion Get medical attention immediately. Do NOT induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Rinse mouth.

Notes to physician Symptoms of poisoning may not be immediately evident after exposure . Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Flash Point -2 °F / -19 °C **Method** Estimated
Upper 10.9 **Lower** 1.7

Suitable Extinguishing Media
Carbon dioxide (CO2). Water spray. Dry chemical.

Specific hazards arising from the chemical
Solvent vapors are heavier than air and may spread along floors. Vapors may ignite and explode. Material can create slippery conditions.

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.

Aerosol Level (NFPA 30B) - 1

NFPA	**Health** 1	**Flammability** 4	**Instability** 3
HMIS	**Health** 1	**Flammability** 4	**Instability** 3

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Remove all sources of ignition. Ensure adequate ventilation. Use personal protective equipment. Prevent further leakage or spillage if safe to do so. Material can create slippery conditions.

Environmental Precautions Do not flush into surface water or sanitary sewer system.

Methods for Containment Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

Methods for Cleaning Up Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust)

Neutralizing Agent Not applicable.

7. HANDLING AND STORAGE

Handling Keep away from open flames, hot surfaces and sources of ignition. Take precautionary measures against static discharges. Always store material in its original container. Keep container tightly closed when not in use . Avoid breathing vapors or mists. Comply with RPM rating on each product . Use enough ventilation, local exhaust at the arc or both, to keep the fumes and gases below the TLV'S in the workers breathing zone and the general area. Train the welder to keep his head out of the fumes. see ANSI/ASCZ49.1 section 5 . Store in low humidity environment at ambient

temperature. Keep sealed in original packing material until ready to use .

Storage Keep away from open flames, hot surfaces and sources of ignition.

Storage Temperature	**Minimum**	32 °F / 0 °C		**Maximum**	120 °F / 49 °C		
Storage Conditions	**Indoor**	X	**Outdoor**	**Heated**		**Refrigerated**	

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Component	ACGIH TLV	OSHA PEL	NIOSH
Acetone	TWA: 500 ppm STEL: 750 ppm	TWA: 1000 ppm TWA: 2400 mg/m^3	2500 ppm TWA: 250 ppm TWA: 590 mg/m^3
Propane	TWA: 1000 ppm	TWA: 1000 ppm TWA: 1800 mg/m^3	2100 ppm TWA: 1000 ppm TWA: 1800 mg/m^3
Butane	STEL: 1000 ppm	No data available	TWA: 800 ppm TWA: 1900 mg/m^3
Xylenes (o-, m-, p- isomers)	TWA: 100 ppm STEL: 150 ppm	TWA: 100 ppm TWA: 435 mg/m^3	No data available
Methylisobutyl ketone	TWA: 20 ppm STEL: 75 ppm	TWA: 100 ppm TWA: 410 mg/m^3	500 ppm STEL 75 ppm STEL 300 mg/m^3 TWA: 50 ppm TWA: 205 mg/m^3
Calcium carbonate	No data available	TWA: 15 mg/m^3 TWA: 5 mg/m^3	TWA: 10 mg/m^3 TWA: 5 mg/m^3
Ethyl benzene	TWA: 20 ppm	TWA: 100 ppm TWA: 435 mg/m^3	800 ppm STEL 125 ppm STEL 545 mg/m^3 TWA: 100 ppm TWA: 435 mg/m^3

Engineering Measures Use only with adequate ventilation. Use with local exhaust ventilation.

Personal Protective Equipment

Eye/Face Protection Tightly fitting safety goggles.

Skin Protection Wear suitable protective clothing, Impervious gloves.

Respiratory Protection In case of inadequate ventilation wear respiratory protection. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

General Hygiene Considerations Keep away from food, drink and animal feeding stuffs. Wash hands before breaks and immediately after handling the product. Do not eat, drink or smoke when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Aerosol	**Viscosity**	Not applicable
Color	Black	**Odor**	Aromatic
Odor Threshold	Not applicable	**Appearance**	Transparent
pH	No information available	**Specific Gravity**	.85
Evaporation Rate	No information available	**Percent Volatile (Volume)**	No information available
VOC Content (%)	43.9	**VOC Photoreactive (Y/N)**	Yes
VOC Content (g/L)	506.4 (MIR 1.28)	**Vapor Pressure**	2750 hPa
Vapor Density	No information available	**Solubility**	Soluble
n-Octanol/Water Partition	No data available	**Melting Point/Range**	No data available
Decomposition Temperature	No data available	**Boiling Point/Range**	-47 °F / -44 °C
Flammability (solid, gas)	No data available		
Flash Point	-2 °F / -19 °C	**Method**	Estimated
Autoignition Temperature	Not applicable		

Upper 10.9 **Lower** 1.7

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions. Stable up to approximately 48.8°C.

Conditions to Avoid Keep away from open flames, hot surfaces, and sources of ignition

Incompatible Products None

Hazardous Decomposition Products Carbon oxides

Possibility of Hazardous Reactions None under normal processing

11. TOXICOLOGICAL INFORMATION

Product Information

The following values are calculated based on chapter 3.1 of the GHS document (Rev. 3, 2009):

Oral LD50 1047
Dermal LD50 No information available
Inhalation LC50
Gas 6951
Mist 2.812
Vapor No information available

Principle Route of Exposure Eye contact, Skin contact, Inhalation.
Primary Routes of Entry Inhalation
Acute Effects
Eyes Moderately irritating to the eyes.
Skin Not hazardous.
Inhalation May cause central nervous system depression. Symptoms and signs include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases, loss of consciousness. Inhalation may cause central nervous system effects.
Ingestion Aspiration hazard if swallowed - can enter lungs and cause damage. May be fatal if swallowed and enters airways.
Chronic Toxicity Harmful if inhaled and may cause delayed lung injury. Chronic inhalation of solvents like Xylene have caused heartbeat irregularity, heartbeat increase, and permanent central and peripheral nervous system damage, resulting in decreased learning ability, loss of memory, personality changes, and disturbances in gait. A condition known as "Painter's Syndrome" can occur causing a loss of sensation in the arms and hands (peripheral neuropathy). Prolonged or repeated exposure may cause cardiac sensitization . Repeated or prolonged exposure may cause central nervous system damage.
Target Organ Effects Central nervous system, Kidney, Liver, Respiratory system.
Aggravated Medical Conditions Neurological disorders, Central nervous system, Kidney disorders, Liver disorders.

Component Information

Acute Toxicity

Component	LD50 Oral	LD50 Dermal	LC50 Inhalation	Draize Test	Other
Acetone	no data available	no data available	= 50100 mg/m^3 (Rat) 8 h	no data available	no data available
Propane	no data available	no data available	= 658 mg/L (Rat) 4 h	no data available	no data available
Butane	no data available	no data available	= 658 g/m^3 (Rat) 4 h	no data available	no data available
Xylenes (o-, m-, p- isomers)	= 4300 mg/kg (Rat)	> 1700 mg/kg (Rabbit)	= 47635 mg/L (Rat) 4 h > 5.04 mg/L (Rat) 4 h	no data available	no data available
Propylene glycol monomethyl ether acetate	= 8532 mg/kg (Rat)	> 5 g/kg (Rabbit)	no data available	no data available	no data available
Methylisobutyl ketone	= 2080 mg/kg (Rat)	> 16000 mg/kg (Rabbit)	= 8.2 mg/L (Rat) 4 h	no data available	no data available
Calcium carbonate	= 6450 mg/kg (Rat)	no data available	no data available	no data available	no data available
Ethyl benzene	= 3500 mg/kg (Rat)	= 15354 mg/kg (Rabbit)	= 17.2 mg/L (Rat) 4 h	no data available	no data available

Component	Mutagenicity	Sensitization	Developmental Toxicity	Reproductive Toxicity	Target Organ Effects
Acetone	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, skin
Propane	no data available	no data available	no data available	no data available	CNS, heart
Butane	no data available	no data available	no data available	no data available	CNS, heart
Xylenes (o-, m-, p- isomers)	no data available	no data available	yes	no data available	heart, lung, CNS, PNS, respiratory system, ears, liver, kidney
Methylisobutyl ketone	no data available	no data available	no data available	no data available	eyes, CNS, respiratory system, liver, skin, kidneys
Calcium carbonate	no data available	no data available	no data available	no data available	eyes, respiratory system, skin
Ethyl benzene	no data available	no data available	yes	no data available	eyes, CNS, respiratory system, skin

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

Component	ACGIH	IARC	NTP	OSHA	Other
Xylenes (o-, m-, p- isomers)	not applicable	Group 3	not applicable	not applicable	not applicable
Methylisobutyl ketone	A3	Group 2B	not applicable	X	not applicable
Silicon dioxide	not applicable	Group 3	not applicable	not applicable	not applicable
Ethyl benzene	A3	Group 2B	not applicable	X	not applicable

12. ECOLOGICAL INFORMATION

Product Information: No information available.

Component Information

Component	Toxicity to Algae	Toxicity to Fish	Microtox	Water Flea	log Pow
Acetone	no data available	LC50 4.74 - 6.33 mL/L Oncorhynchus mykiss 96 h LC50 6210 - 8120 mg/L Pimephales promelas 96 h LC50 = 8300 mg/L Lepomis macrochirus 96 h	EC50 = 14500 mg/L 15 min	EC50 10294 - 17704 mg/L Daphnia magna 48 h EC50 12600 - 12700 mg/L Daphnia magna 48 h	-0.24
Propane	no data available	no data available	no data available	no data available	2.3
Butane	no data available	no data available	no data available	no data available	2.89
Xylenes (o-, m-, p- isomers)	EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h	LC50 13.1 - 16.5 mg/L Lepomis macrochirus 96 h LC50 13.5 - 17.3 mg/L Oncorhynchus mykiss 96 h LC50 2.661 - 4.093 mg/L Oncorhynchus mykiss 96 h LC50 23.53 - 29.97 mg/L Pimephales promelas 96 h LC50 30.26 - 40.75 mg/L Poecilia reticulata 96 h LC50 7.711 - 9.591 mg/L Lepomis macrochirus 96 h LC50 = 13.4 mg/L Pimephales promelas 96 h LC50 = 19 mg/L Lepomis macrochirus 96 h LC50 = 780 mg/L Cyprinus carpio 96 h LC50 > 780 mg/L Cyprinus carpio 96 h	EC50 = 0.0084 mg/L 24 h	LC50 0.6 mg/L Gammarus lacustris 48 h EC50 3.82 mg/L water flea 48 h	3.15
Propylene glycol monomethyl ether acetate	no data available	LC50 = 161 mg/L Pimephales promelas 96 h	no data available	EC50 500 mg/L Daphnia magna 48 h	0.43
Methylisobutyl ketone	EC50 = 400 mg/L Pseudokirchneriella subcapitata 96 h	LC50 496 - 514 mg/L Pimephales promelas 96 h	EC50 = 79.6 mg/L 5 min	EC50 170 mg/L Daphnia magna 48 h	1.19
Ethyl benzene	EC50 1.7 - 7.6 mg/L Pseudokirchneriella subcapitata 96 h EC50 2.6 - 11.3 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 11 mg/L Pseudokirchneriella subcapitata 72 h EC50 = 4.6 mg/L Pseudokirchneriella subcapitata 72 h EC50 > 438 mg/L Pseudokirchneriella subcapitata 96 h	LC50 11.0 - 18.0 mg/L Oncorhynchus mykiss 96 h LC50 7.55 - 11 mg/L Pimephales promelas 96 h LC50 9.1 - 15.6 mg/L Pimephales promelas 96 h LC50 = 32 mg/L Lepomis macrochirus 96 h LC50 = 4.2 mg/L Oncorhynchus mykiss 96 h LC50 = 9.6 mg/L Poecilia reticulata 96 h	EC50 = 9.68 mg/L 30 min EC50 = 96 mg/L 24 h	EC50 1.8 - 2.4 mg/L Daphnia magna 48 h	3.118

Persistence and Degradability No information available.
Bioaccumulation No information available.
Mobility No information available.

13. DISPOSAL CONSIDERATIONS

Product Disposal Dispose of in accordance with all Federal, state, and local regulations. .
Container Disposal Empty containers should be taken for local recycling, recovery, or waste disposal.

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Consumer Commodity
Hazard Class ORM-D
Description Consumer Commodity, ORM-D

TDG

Proper shipping name Aerosols

Hazard Class ORM-D
Description UN1950, Aerosols, 2.2 (5.1)

ICAO

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
Shipping Description UN1950, Aerosols, flammable, 2.1, LTD QTY

IATA

UN-No UN1950
Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
ERG Code 10L
Shipping Description UN1950, Aerosols, flammable,2.1, LTD QTY

IMDG/IMO

Proper Shipping Name Aerosols, flammable
Hazard Class 2.1
UN-No UN1950
EmS No. F-D, S-U
Shipping Description UN1950, Aerosols, 2.1, LTD QTY

15. REGULATORY INFORMATION

Inventories
TSCA Complies
DSL Complies
U.S. 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

Component	CAS-No	Weight %	SARA 313 - Threshold Values
Xylenes (o-, m-, p- isomers)	1330-20-7	5-10	1.0
Methylisobutyl ketone	108-10-1	5-10	1.0
Ethyl benzene	100-41-4	1-5	0.1

SARA 311/312 Hazardous Categorization

Acute Health Hazard	Chronic Health Hazard	Fire Hazard	Sudden Release of Pressure Hazard	Reactive Hazard
Yes	Yes	Yes	Yes	Yes

CERCLA

Component	Hazardous Substances RQs	CERCLA EHS RQs
Acetone	5000 lb	Not applicable
Xylenes (o-, m-, p- isomers)	100 lb	Not applicable
Methylisobutyl ketone	5000 lb	Not applicable
Ethyl benzene	1000 lb	Not applicable

U.S. State Regulations
California Proposition 65 This product contains the following Proposition 65 chemicals

Component	CAS-No	California Prop. 65
Methylisobutyl ketone	108-10-1	carcinogen
Ethyl benzene	100-41-4	carcinogen

16. OTHER INFORMATION

Prepared By Christopher Drogin
Supercedes Date 11/21/2011
Issuing Date 09/15/2014
Reason for Revision No information available.
Glossary No information available.
List of References. No information available.

Mega Metals,Partsmaster,Div of NCH Corp.assumes no responsibility for personal injury or property damage caused by the use, storage, or disposal of the product in a manner not recommended on the product label. Users assume all risks associated with such unrecommended use, storage or disposal of the product. The information provided on this document 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as 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 material or in any process, unless specified in the text.