

(10784)

Material Safety Data Sheet



Revision Number: 004.0

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name:	Color Guard® Tough Rubber Coating Yellow	IDH number:	334918
Product use:	Aerosol, Coating	Item number:	34897
Company address:	Henkel Canada Corporation 2515 Meadowpine Boulevard Mississauga, Ontario L5N 6C3	Region:	Canada
		Contact information:	Telephone: 905.814.6511 MEDICAL EMERGENCY Phone: Poison Control Center 1-877-671-4608 (toll free) or 1-303-592-1711 TRANSPORT EMERGENCY Phone: CHEMTREC 1-800-424-9300 (toll free) or 1-703-527-3887 Internet: www.henkelna.com

2. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW	
Physical state:	Aerosol
Color:	Yellow
Odor:	Solvent
WHMIS hazard class:	A, B.5, D.2.A, D.2.B
DANGER:	EXTREMELY FLAMMABLE LIQUID AND VAPOR. CONTENTS UNDER PRESSURE. MAY BE HARMFUL OR FATAL IF SWALLOWED OR INHALED. VAPOR HARMFUL.

Relevant routes of exposure: Skin, Inhalation, Eyes

Potential Health Effects

Inhalation:	Inhalation of vapors or mists of the product may be irritating to the respiratory system. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Vapors may cause headaches, nausea, dizziness and respiratory tract irritation.
Skin contact:	May cause irritation. Prolonged contact with skin may cause dermatitis.
Eye contact:	Vapors irritate the eyes. Contact with liquid or mist will irritate the eyes.
Ingestion:	Not a likely route of entry. May cause an aspiration hazard if swallowed.

Existing conditions aggravated by exposure: Eye, skin and respiratory disorders.

See Section 11 for additional toxicological information.

APPROVED MATERIAL

APR 22 2014

MSDS # 10784

APPROVED BY *[Signature]*

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous components	CAS NUMBER	%
Propane	74-98-6	10 - 30
Solvent naphtha (petroleum), light aliph., <0.1% Benzol, highly flammable	64742-89-8	10 - 30
Xylenes	1330-20-7	10 - 30
Heptane, branched, cyclic and linear	426260-76-6	10 - 30
Butane (< 0.1 % butadiene)	106-97-8	10 - 30
Ethylbenzene	100-41-4	1 - 5
Heptan-2-one	110-43-0	1 - 5
2-[(2-Methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide	6358-31-2	0.1 - 1
n-Heptane	142-82-5	0.1 - 1
Titanium dioxide	13463-67-7	0.1 - 1

4. FIRST AID MEASURES

Inhalation:	Move to fresh air. If symptoms persist, seek medical advice.
Skin contact:	Wash affected area immediately with soap and water. If symptoms develop and persist, get medical attention.
Eye contact:	Immediately flush eyes with plenty of water for at least 15 minutes. Seek medical advice.
Ingestion:	Do not induce vomiting. Seek medical advice.

5. FIRE FIGHTING MEASURES

Flash point:	Not applicable to aerosols.
Flashback:	This product exhibits flashback when tested for flame extension.
Autoignition temperature:	Not available.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Extinguishing media:	water, carbon dioxide, foam, powder
Special firefighting procedures:	Wear self-contained breathing apparatus and full protective clothing, such as turn-out gear. If water is used, fog nozzles are preferable.
Unusual fire or explosion hazards:	Cool pressurized can containers with jet of water. Containers may explode.
Hazardous combustion products:	Oxides of carbon. Irritating organic vapours.
Sensitivity to Mechanical Impact:	Not available.
Sensitivity to static discharge:	Not available.

6. ACCIDENTAL RELEASE MEASURES

Use personal protection recommended in Section 8, isolate the hazard area and deny entry to unnecessary and unprotected personnel.

Environmental precautions:	Do not allow to enter the ground / soil.
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Clean-up methods:

Remove all sources of ignition. Spilled liquid is combustible and can be ignited by heat, flames, sparks, or other sources of ignition. Store in a closed container until ready for disposal. Soak up with inert absorbent.

7. HANDLING AND STORAGE

Handling:

Keep away from heat, spark and flame.

Storage:

Store in a cool, dry, well-ventilated area. Store away from heat, sparks, flames, or other sources of ignition.

Shelf Life Statement: Not available.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Employers should complete an assessment of all workplaces to determine the need for, and selection of, proper exposure controls and protective equipment for each task performed.

Hazardous components	ACGIH TLV	OSHA PEL	AIHA WEEL	OTHER
Propane	Included in the regulation but with no data values. See regulation for further details	1,000 ppm (1,800 mg/m ³) PEL	None	None
Solvent naphtha (petroleum), light aliph., <0.1% Benzol, highly flammable	None	None	None	None
Xylenes	100 ppm TWA 150 ppm STEL	100 ppm (435 mg/m ³) PEL	None	None
Heptane, branched, cyclic and linear	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m ³) PEL	None	None
Butane (< 0.1 % butadiene)	1,000 ppm STEL	None	None	None
Ethylbenzene	20 ppm TWA	100 ppm (435 mg/m ³) PEL	None	None
Heptan-2-one	50 ppm TWA	100 ppm (465 mg/m ³) PEL	None	None
2-[(2-Methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide	None	None	None	None
n-Heptane	400 ppm TWA 500 ppm STEL	500 ppm (2,000 mg/m ³) PEL	None	None
Titanium dioxide	10 mg/m ³ TWA	15 mg/m ³ PEL Total dust.	None	None

Engineering controls:

Use local ventilation if general ventilation is insufficient to maintain vapor concentration below established exposure limits.

Respiratory protection:

Use an organic vapor respirator for concentrations exceeding the Occupational Exposure Limit. Do not inhale vapors and fumes.

Eye/face protection:

Safety goggles or safety glasses with side shields.

Skin protection:

Chemical resistant, impermeable gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Aerosol
Color:	Yellow
Odor:	Solvent
Odor threshold:	Not available.
pH:	Not available.
Vapor pressure:	760 mm hg
Boiling point/range:	Not available.
Melting point/ range:	Not available.
Specific gravity:	0.67
Vapor density:	Not available.

Flash point:	Not applicable to aerosols.
Flashback:	This product exhibits flashback when tested for flame extension.
Flammable/Explosive limits - lower:	Not available.
Flammable/Explosive limits - upper:	Not available.
Autoignition temperature:	Not available.
Evaporation rate:	Not available.
Solubility in water:	Insoluble
Solubility in water:	Insoluble
Partition coefficient (n-octanol/water):	Not available.
VOC content:	87 %; 768.4 g/l

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous reactions:	Will not occur.
Hazardous decomposition products:	Oxides of carbon. Irritating and toxic gases or fumes may be released during a fire.
Incompatible materials:	Acids and bases. Oxidizing agents. Oxidizing and spontaneously flammable products. Keep away from heat, spark and flame.
Conditions to avoid:	Keep away from heat, ignition sources and incompatible materials.

11. TOXICOLOGICAL INFORMATION

Toxicologically synergistic products: Not available.

Refer to the following for Irritancy of Product, Sensitization to Product, Carcinogenicity, Reproductive Toxicity, Teratogenicity, and Mutagenicity.

Hazardous Component(s)	NTP Carcinogen	IARC Carcinogen	OSHA Carcinogen (Specifically Regulated)
Propane	No	No	No
Solvent naphtha (petroleum), light aliph., <0.1% Benzol, highly flammable	No	No	No
Xylenes	No	No	No
Heptane, branched, cyclic and linear	No	No	No
Butane (< 0.1 % butadiene)	No	No	No
Ethylbenzene	No	Group 2B	No
Heptan-2-one	No	No	No
2-[(2-Methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide	No	No	No
n-Heptane	No	No	No
Titanium dioxide	No	Group 2B	No

Hazardous components	LD50s and LC50s	Health Effects/Target Organs
Propane	Inhalation LC50 (RAT, 15 min) = > 1,442.847 mg/l Inhalation LC50 (RAT, 15 min) = > 1,464 mg/l	Cardiac, Central nervous system, Irritant
Solvent naphtha (petroleum), light aliph., <0.1% Benzol, highly flammable	None	Irritant
Xylenes	Oral LD50 (RAT) = 6,670 mg/kg Oral LD50 (RAT) = 3,523 - 8,600 mg/kg Oral LD50 (RAT) = 4,300 mg/kg Dermal LD50 (RABBIT) > 43 g/kg Inhalation LC50 (RAT, 4 h) = 6,350 mg/l	Cardiac, Central nervous system, Irritant, Kidney, Liver
Heptane, branched, cyclic and linear	None	Irritant, Central nervous system
Butane (< 0.1 % butadiene)	Inhalation LC50 (RAT, 4 h) = 658 mg/l	Cardiac, Central nervous system, Irritant
Ethylbenzene	Oral LD50 (RAT) = 5.46 g/kg Oral LD50 (RAT) = 3,500 mg/kg Dermal LD50 (RABBIT) = 17,800 mg/kg	Irritant, Central nervous system
Heptan-2-one	Oral LD50 (RAT) = 1.670 g/kg Dermal LD50 (RABBIT) = 12,600 mg/kg	Irritant, Central nervous system
2-[(2-Methoxy-4-nitrophenyl)azo]-N-(2-methoxyphenyl)-3-oxobutyramide	None	Behavioral, Blood, Developmental, Gastrointestinal, Kidney, Liver, Muscle, Nervous System, Reproductive, Skin, Some evidence of carcinogenicity, Thyroid, Vascular
n-Heptane	Inhalation LC50 (RAT, 4 h) = 103 mg/l	Central nervous system, Irritant
Titanium dioxide	None	Irritant, Respiratory, Some evidence of carcinogenicity

12. ECOLOGICAL INFORMATION

Ecological information: Not available.

13. DISPOSAL CONSIDERATIONS

Information provided is for unused product only.

Recommended method of disposal: Do not puncture or incinerate pressurized containers. Dispose of according to Federal, State and local governmental regulations.

14. TRANSPORT INFORMATION

Canada Transportation of Dangerous Goods - Ground

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

International Air Transportation (ICAO/IATA)

Proper shipping name: Aerosols, flammable
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

Water Transportation (IMO/IMDG)

Proper shipping name: AEROSOLS
Hazard class or division: 2.1
Identification number: UN 1950
Packing group: None

15. REGULATORY INFORMATION

Canada Regulatory Information

CEPA DSL/NDSL Status: All components are listed on or are exempt from listing on the Canadian Domestic Substances List.

United States Regulatory Information

TSCA 8 (b) Inventory Status: All components are listed or are exempt from listing on the Toxic Substances Control Act Inventory.

16. OTHER INFORMATION

This material safety data sheet contains changes from the previous version in sections: 7, 12

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulation (CPR), and the MSDS contains all the information required by the CPR.

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