

SAFETY DATA SHEET

1. Identification

Product identifier	Upside Down Marking Spray Paint - Caution Yellow - 1 lb 1 oz		
Other means of identification			
Product Code	No. 18201 (Item# 1005218)		
Recommended use	Coating		
Recommended restrictions	None known.		
Manufacturer/Importer/Supplier/	Distributor information		
Manufactured or sold by:			
Company name	CRC Industries, Inc.		
Address	885 Louis Dr.		
	Warminster, PA 18974 US		
Telephone			
General Information	215-674-4300		
Technical Assistance	800-521-3168		
Customer Service	800-272-4620		
24-Hour Emergency (CHEMTREC)	800-424-9300 (US)		
Website	www.crcindustries.com		
2. Hazard(s) identification			
Physical hazards	Flammable aerosols	Category 1	
	Gases under pressure	Liquefied gas	
Health hazards	Carcinogenicity	Category 2	
	Specific target organ toxicity, single exposure	Category 3 respiratory tract irritation	
	Specific target organ toxicity, repeated exposure	Category 2	
	Aspiration hazard	Category 1	
Environmental hazards	Hazardous to the aquatic environment, acute hazard	Category 2	
	Hazardous to the aquatic environment, long-term hazard	Category 2	
	Not classified.		
OSHA defined hazards			

Signal word Hazard statement

Extremely flammable aerosol. Contains gas under pressure; may explode if heated. May be fatal if swallowed and enters airways. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure.

Danger

Precautionary statement	
Prevention	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Keep away from heat/sparks/open flames/hot surfaces No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Do not apply while equipment is energized. Extinguish all flames, pilot lights, and heaters. Vapors will accumulate readily and may ignite. Use only with adequate ventilation; maintain ventilation during use and until all vapors are gone. Do not breathe mist/vapors. Open doors and windows or use other means to ensure a fresh air supply during use and while product is drying. If you experience any symptoms listed on this label, increase ventilation or leave the area. Wear protective gloves/eye protection/face protection.
Response	If swallowed: Immediately call a poison center/doctor. Do NOT induce vomiting. If inhaled: Remove person to fresh air and keep comfortable for breathing. Get medical advice/attention if you feel unwell. If exposed or concerned: Get medical advice/attention.
Storage	Store in a well-ventilated place. Keep container tightly closed. Store locked up. Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F. Exposure to high temperature may cause can to burst.
Disposal	Dispose of contents/container in accordance with local/regional/national/international regulations.
Hazard(s) not otherwise classified (HNOC)	None known.
Supplemental information	None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
water		7732-18-5	20 - 30
propane		74-98-6	15 - 25
solvent naphtha (petroleum), light aliph.		64742-89-8	15 - 25
calcium carbonate		1317-65-3	15 - 20
n-butane		106-97-8	10 - 15
distillates (petroleum), hydrotreated light		64742-47-8	1 - 5
titanium dioxide		13463-67-7	1 - 5

Specific chemical identity and/or percentage of composition has been withheld as a trade secret.

4. First-aid measures	
Inhalation	Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a poison center or doctor/physician if you feel unwell.
Skin contact	Wash off with soap and water. Take off contaminated clothing and wash before reuse. Get medical attention if irritation develops and persists.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
Ingestion	Call a physician or poison control center immediately. Clean mouth with water and drink afterwards plenty of water. Aspiration may cause pulmonary edema and pneumonitis. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.
Most important symptoms/effects, acute and delayed	Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Direct contact with eyes may cause temporary irritation. May cause respiratory irritation. Prolonged exposure may cause chronic effects.
Indication of immediate medical attention and special treatment needed	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.
General information	IF exposed or concerned: Get medical advice/attention. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
5. Fire-fighting measures	
Suitable extinguishing media	Carbon dioxide (CO2). Dry chemical powder. Water spray.
Insuitable extinguishing	Do not use water let as an extinguisher, as this will spread the fire

media	Do not use water jet as an extinguisher, as this will spread the life.
Specific hazards arising from the chemical	Contents under pressure. Pressurized container may rupture when exposed to heat or flame. During fire, gases hazardous to health may be formed.

Special protective equipment and precautions for firefighters	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.	
Fire-fighting equipment/instructions	n case of fire: Stop leak if safe to do so. Move containers from fire area if you can do so without isk. Containers should be cooled with water to prevent vapor pressure build up. Use standard irefighting procedures and consider the hazards of other involved materials. In the event of fire and/or explosion do not breathe fumes.	
General fire hazards	Extremely flammable aerosol. Contents under pressure. Pressurized container may rupture when exposed to heat or flame.	
6. Accidental release mea	sures	
Personal precautions, protective equipment and emergency procedures	Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Keep out of low areas. Many gases are heavier than air and will spread along ground and collect in low or confined areas (sewers, basements, tanks). Wear appropriate protective equipment and clothing during clean-up. Do not breathe mist/vapors. Emergency personnel need self-contained breathing equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ventilate closed spaces before entering them. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.	
Methods and materials for containment and cleaning up	Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Keep combustibles (wood, paper, oil, etc.) away from spilled material. Collect spillage. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk. Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. Put material in suitable, covered, labeled containers. For waste disposal, see section 13 of the SDS.	
Environmental precautions	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of al environmental releases. Prevent further leakage or spillage if safe to do so. Do not contaminate water. Avoid discharge into drains, water courses or onto the ground.	
7. Handling and storage		
Precautions for safe handling	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Pressurized container: Do not pierce or burn, even after use. Do not use if spray button is missing or defective. Do not spray on a naked flame or any other incandescent material. Do not smoke while using or until sprayed surface is thoroughly dry. Do not cut, weld, solder, drill, grind, or expose containers to heat, flame, sparks, or other sources of ignition. Use caution around energized equipment. The metal container will conduct electricity if it contacts a live source. This may result in injury to the user from electrical shock and/or flash fire. Do not breathe mist/vapors. Avoid prolonged exposure. Should be handled in closed systems, if possible. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Wash hands thoroughly after handling. Avoid release to the environment. Do not empty into drains. Observe good industrial hygiene practices. For product usage instructions, see the product label.	
Conditions for safe storage,	Level 3 Aerosol.	
including any incompatibilities	Pressurized container. Protect from sunlight and do not expose to temperatures exceeding 50°C/122 °F. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. This material can accumulate static charge which may cause spark and become an ignition source. Store in tightly closed container. Store in a well-ventilated place. Stored containers should be periodically checked for general condition and leakage. Store away from incompatible materials (see Section 10 of the SDS).	

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for A Components	ir Contaminants (29 CFR 1910.7 Type	1000) Value	Form
calcium carbonate (CAS 1317-65-3)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
propane (CAS 74-98-6)	PEL	1800 mg/m3	
		1000 ppm	
solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)	PEL	400 mg/m3	

Components	for Air Contaminants (29 CFR 1910.100 Type	Value	Form
		100 ppm	
titanium dioxide (CAS 13463-67-7)	PEL	15 mg/m3	Total dust.
US. OSHA Table Z-3 (29 CF			
Components	Туре	Value	Form
titanium dioxide (CAS 13463-67-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.
US. ACGIH Threshold Limi		Value	
Components	Туре	Value	
n-butane (CAS 106-97-8)	STEL	1000 ppm	
titanium dioxide (CAS 13463-67-7)	TWA	10 mg/m3	
US. NIOSH: Pocket Guide t			_
Components	Туре	Value	Form
calcium carbonate (CAS 1317-65-3)	TWA	5 mg/m3	Respirable.
		10 mg/m3	Total
distillates (petroleum), hydrotreated light (CAS 64742-47-8)	TWA	100 mg/m3	
n-butane (CAS 106-97-8)	TWA	1900 mg/m3	
, , , , , , , , , , , , , , , , , , ,		800 ppm	
propane (CAS 74-98-6)	TWA	1800 mg/m3	
,		1000 ppm	
solvent naphtha (petroleum), light aliph. (CAS 64742-89-8)	TWA	400 mg/m3	
		100 ppm	
logical limit values	No biological exposure limits noted for	the ingredient(s).	
propriate engineering trols	Good general ventilation should be use applicable, use process enclosures, loc maintain airborne levels below recomm established, maintain airborne levels to	al exhaust ventilation, or oth ended exposure limits. If exp	er engineering controls to
vidual protection measures	, such as personal protective equipmer	nt	
Eye/face protection	Wear safety glasses with side shields (or goggles).	
Skin protection			
Hand protection	Wear protective gloves such as: Silver	Shield®. Nitrile.	
Other	Wear appropriate chemical resistant clothing.		
Respiratory protection	If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, us NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.		
Thermal hazards	Wear appropriate thermal protective clo	othing, when necessary.	
neral hygiene siderations	Observe any medical surveillance requ observe good personal hygiene measu eating, drinking, and/or smoking. Routi remove contaminants.	res, such as washing after ha	andling the material and be

9. Physical and chemical properties

9. Physical and chemical	properties
Appearance	
Physical state	Liquid.
Form	Aerosol.
Color	Yellow
Odor	Aromatic.
Odor threshold	Not available.
рН	Not available.
Melting point/freezing point	Not available.
Initial boiling point and boiling range	95 °F (35 °C) estimated
Flash point	-2.2 °F (-19.0 °C)
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or exp	losive limits
Flammability limit - lower (%)	1.7 %
Flammability limit - upper (%)	10.9 %
Vapor pressure	4080.5 hPa estimated
Vapor density	Not available.
Relative density	0.77 - 0.85
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	410 °F (210 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Percent volatile	92.3 % estimated
Other information	
VOC-State Aerosol Coatings (MIR)	0.52

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.
Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Heat, flames and sparks. Contact with incompatible materials. Avoid freezing.
Incompatible materials	Acids. Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

Information on likely routes of exposure

Inhalation	May cause irritation to the respiratory system. Prolonged inhalation may be harmful.	
Skin contact	Prolonged skin contact may cause temporary irritation.	
Eye contact	Direct contact with eyes may cause temporary irritation.	
Ingestion	May be fatal if swallowed and enters airways. Droplets of the product aspirated into the lungs through ingestion or vomiting may cause a serious chemical pneumonia.	

Aspiration may cause pulmonary edema and pneumonitis. Dizziness. Direct contact with eyes may cause temporary irritation. May cause respiratory irritation.

Information on toxicological effects

Acute toxicity May be fatal if swallowed and enters airways.

Acute toxicity	May be fatal if swallowed and enters airways. Species Test Results		
Product			
Upside Down Marking Spray Pain	t - Caution Yellow - 1 lb 1 oz		
<u>Acute</u>			
Dermal			
LD50	Rabbit	> 10000 mg/kg	
Inhalation			
Dust and mist.			
LC50	Rat	> 6.82 mg/l, 4 hours	
Oral			
LD50	Rat	> 20000 mg/kg	
Components	Species	Test Results	
distillates (petroleum), hydrotreate	ed light (CAS 64742-47-8)		
Acute			
Dermal			
LD50	Rabbit	> 2000 mg/kg	
Inhalation			
LC50	Rat	> 5 mg/l, 4 hours	
Oral			
LD50	Rat	> 5000 mg/kg	
n-butane (CAS 106-97-8)			
Acute			
Inhalation			
LC50	Rat	658 mg/l, 4 Hours	
titanium dioxide (CAS 13463-67-7)		
Acute			
Dermal			
LD50	Rabbit	> 10000 mg/kg	
Oral			
LD50	Rat	> 10000 mg/kg	
* Estimatos for product movil	be based on additional component da	ata nat ahawa	
Skin corrosion/irritation	Prolonged skin contact may cause		
	Direct contact with eyes may cause		
Serious eye damage/eye irritation	Direct contact with eyes may Caus	של האיניים איניים אינ	
Respiratory or skin sensitizatio	n		
Respiratory sensitization	Not a respiratory sensitizer.		
Skin sensitization	This product is not expected to ca	use skin sensitization.	
Germ cell mutagenicity		uct or any components present at greater than 0.1% are	
	mutagenic or genotoxic.		
Carcinogenicity	Suspected of causing cancer.		
IARC Monographs. Overall titanium dioxide (CAS 13	Evaluation of Carcinogenicity 463-67-7) 2E	3 Possibly carcinogenic to humans.	
	ed Substances (29 CFR 1910.1001		
Not listed.	ogram (NTP) Report on Carcinoge	ne	
Not listed.	ogram (NTF) Report on Carcinoge	115	
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects		
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.		

Specific target organ toxicity - single exposure	May cause respiratory irritation.
Specific target organ toxicity - repeated exposure	May cause damage to organs through prolonged or repeated exposure.
Aspiration hazard	May be fatal if swallowed and enters airways.
Chronic effects	Prolonged inhalation may be harmful. May cause damage to organs through prolonged or repeated exposure. Prolonged exposure may cause chronic effects.

12. Ecological information

Ecotoxicity	Toxic to a	quatic life with long lasting ef	fects.
Product	Species Test Results		
Upside Down Marking Spra	ay Paint - Caut	ion Yellow - 1 lb 1 oz	
Aquatic			
Acute			
Crustacea	EC50	Daphnia	9130.4346 mg/l, 48 hours
Fish	LC50	Fish	15239.5098 mg/l, 96 hours
* Estimates for product ma Persistence and degradability	5	additional component data n s available on the degradabili	
Bioaccumulative potential	No data a	Ŭ	······
Partition coefficient n-oc	tanol / water (log Kow)	
n-butane		2.89	
propane	2.36		
Bioconcentration factor (BCF)		
titanium dioxide		352	
Mobility in soil	No data a	vailable.	
Other adverse effects		No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.	

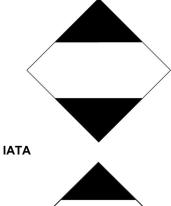
Disposal instructions	If discarded, this product is considered a RCRA ignitable waste, D001. Empty container can be recycled. Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Contents under pressure. Incinerate the material under controlled conditions in an approved incinerator. Do not incinerate sealed containers. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national regulations.
Hazardous waste code	D001: Waste Flammable material with a flash point <140 F
Contaminated packaging	Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

14. Transport information

DOT	
UN number	UN1950
UN proper shipping name	Aerosols, flammable, Limited Quantity
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Label(s)	2.1
Packing group	Not applicable.
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Special provisions	N82
Packaging exceptions	306
Packaging non bulk	304
Packaging bulk	None
ΙΑΤΑ	
UN number	UN1950
UN proper shipping name	Aerosols, flammable, Limited Quantity

Transport beyond close (co)	
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
ERG Code	10L
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.
IMDG	
UN number	UN1950
UN proper shipping name	AEROSOLS, Limited Quantity
Transport hazard class(es)	
Class	2.1
Subsidiary risk	-
Packing group	Not applicable.
Environmental hazards	
Marine pollutant	Yes, but exempt from the regulations.
EmS	F-D, S-U
Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

DOT; IMDG





15. Regulatory information

US federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

CERCLA Hazardous Substance List (40 CFR 302.4)

Not listed.

CERCLA Hazardous Substances: Reportable quantity

Not listed.

Spills or releases resulting in the loss of any ingredient at or above its RQ require immediate notification to the National Response Center (800-424-8802) and to your Local Emergency Planning Committee.

Other federal regulations

Other rederal regulations		
Clean Air Act (CAA) Section	112 Hazardous Air Pollutants	(HAPs) List
Not regulated. Clean Air Act (CAA) Section	112(r) Accidental Release Pre	vention (40 CFR 68.130)
n-butane (CAS 106-97-8) propane (CAS 74-98-6)		
Safe Drinking Water Act (SDWA)	Contains component(s) regula	ted under the Safe Drinking Water Act.
Food and Drug Administration (FDA)	Not regulated.	
Superfund Amendments and Re	authorization Act of 1986 (SAF	RA)
Classified hazard categories	Flammable (gases, aerosols, li Gas under pressure Carcinogenicity Specific target organ toxicity (s Aspiration hazard	
SARA 302 Extremely hazard Not listed.	lous substance	
SARA 311/312 Hazardous chemical	Yes	
SARA 313 (TRI reporting) Not regulated.		
US state regulations		
US. New Jersey Worker and	Community Right-to-Know Ad	t
titanium dioxide (CAS 134 US. Massachusetts RTK - Si calcium carbonate (CAS n-butane (CAS 106-97-8) propane (CAS 74-98-6) solvent naphtha (petroleu titanium dioxide (CAS 134 US. Pennsylvania Worker an calcium carbonate (CAS	um), light aliph. (CAS 64742-89-8 463-67-7) ubstance List 1317-65-3) um), light aliph. (CAS 64742-89-8 463-67-7) nd Community Right-to-Know 1317-65-3) drotreated light (CAS 64742-47-4) Law
	ım), light aliph. (CAS 64742-89-8 463-67-7))
n-butane (CAS 106-97-8) propane (CAS 74-98-6)	drotreated light (CAS 64742-47-6) ım), light aliph. (CAS 64742-89-8	
California Proposition 65		
		emicals including ethylbenzene, which are known to the State of re information go to www.P65Warnings.ca.gov.
ethylbenzene (CAS titanium dioxide (CAS	S 13463-67-7)	enic substance Listed: June 11, 2004 Listed: September 2, 2011

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

distillates (petroleum), hydrotreated light (CAS 64742-47-8) n-butane (CAS 106-97-8) solvent naphtha (petroleum), light aliph. (CAS 64742-89-8) titanium dioxide (CAS 13463-67-7)

Volatile organic compounds (VOC) regulations

EPA

Aerosol coatings (40	Compliant
CFR 59, Subpt. E)	

State

Aerosol coatings This product is regulated as a Ground Traffic and Marking Coating. This product is compliant for sale in all 50 states.
Maximum incremental 0.52

Maximum incremental reactivity (MIR)

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s) A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date Prepared by Version #	02-17-2021 Danica Fulmer 01
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Revision information	This document has undergone significant changes and should be reviewed in its entirety.