



SECTION I
PRODUCT IDENTIFICATION



MATERIAL SAFETY DATA SHEET

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Tough Coat™ General Purpose Paints - 1

TCGP1/ISD

SECTION II		ACGM TLV <STEL>	OSHA PEL <STEL>	Units	Vapor Pressure (mm Hg)	S00325 Machinery Dk. Gray	S00326 Machinery Lt. Gray	S00329 Machinery Blue Gray	S01000 Clear Gloss Top Coat	S01003 Int. Harvester Red	S01005 Bright Red	S01006 Alts Chalmers Orange	S01008 Ford Blue	S01009 Fed. Highway Yellow	S01101 Cherry Red	S01110 OSHA Red	S01150 Zinger Pink	
CAS No.	HAZARDOUS INGREDIENT (percent by weight)																	
74-98-8	Propane		1000	PPM	760.0	14	14	14	11	14	14	14	14	14	14	14	14	
106-97-8	Butane	800	800	PPM	760.0	13	13	13	11	13	13	13	13	13	13	13	13	
108-88-3 [§]	Toluene	50	100 <150>	PPM (Skin)	22.0				9								3	
100-41-4 [§]	Ethylbenzene	100 <125>	100 <125>	PPM	7.1	4	4	4		4	5	4	4	5	4	4	4	
1330-20-7 [§]	Xylene	100 <150>	100 <150>	PPM	5.9	22	22	25		24	26	23	25	26	24	24	20	
64-17-5	Ethanol	1000	1000	PPM	44.0				2									
67-64-1	Acetone	750 <1000>	750 <1000>	PPM	180.0	29	27	27	43	27	27	27	26	25	26	27	27	
78-93-3 [§]	Methyl Ethyl Ketone	200 <300>	200 <300>	PPM	70.0				8									
763-69-9	Ethyl 3-Ethoxypropionate	Not Established				1.1			8									
14807-96-6	Talc	2	2	Mg/M3 as Resp. Dust		4.2	6.4											
13463-67-7	Titanium Dioxide	10	10(5)	Mg/M3 as Dust (Resp.)		2.8	2.1							1.0			5.2	
Weight per Gallon (lbs.)						6.43	6.49	6.24	6.31	6.23	6.24	6.27	6.26	6.28	6.27	6.26	6.44	
VOC as a percent by weight per BAAQMD Rule 49						53.0	53.1	56.5	48.4	56.3	57.4	55.3	56.5	57.8	55.3	55.6	53.8	
VOC (Volatile Organic Compounds) Total - lbs./gal.						3.40	3.44	3.52	3.05	3.50	3.57	3.46	3.55	3.61	3.48	3.48	3.44	
HMIS (NFPA) Rating (health - flammability - reactivity)						2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0	2 4 0

percent by weight

[§] Ingredient subject to the reporting requirements of the Superfund Amendments and Reauthorization Act (SARA) Section 313, 40 CFR 372.65 C

Tough Coat™ General Purpose Paints

TCGP/ISD

Section III — PHYSICAL DATA

PRODUCT WEIGHT - N.A.
SPECIFIC GRAVITY - N.A.
BOILING RANGE - +0-195 °F
SOLUBILITY IN WATER - N.A.
EVAPORATION RATE - Faster than Ether
VAPOR DENSITY - Heavier than Air
MELTING POINT - N.A.

Section IV — FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION FLASH POINT <0 F PHCC LEL 0.7 UEL 12.8
HDD LABEL - Extremely Flammable, Flash below 21 °F

EXTINGUISHING MEDIA

Carbon Dioxide, Dry Chemical, Foam

UNUSUAL FIRE AND EXPLOSION HAZARDS

Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat. Application to hot surfaces requires special precautions. During emergency conditions overexposure to decomposition products may cause a health hazard. Symptoms may not be immediately apparent. Obtain medical attention.

SPECIAL FIRE FIGHTING PROCEDURES

Full protective equipment including self-contained breathing apparatus should be used. Water spray may be ineffective. If water is used, fog nozzles are preferable. Water may be used to cool closed containers to prevent pressure build-up and possible autoignition or explosion when exposed to extreme heat.

Section V — HEALTH HAZARD DATA

ROUTES OF EXPOSURE

Exposure may be by INHALATION and/or SKIN or EYE contact, depending on conditions of use. To minimize exposure, follow recommendations for proper use, ventilation, and personal protective equipment.

ACUTE Health Hazards

EFFECTS OF OVEREXPOSURE

Irritation of eyes, skin and respiratory system. May cause nervous system depression. Extreme overexposure may result in unconsciousness and possibly death.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

Headache, dizziness, nausea, and loss of coordination are indications of excessive exposure to vapors or spray mist.

Redness and itching or burning sensation may indicate eye or excessive skin exposure.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

None generally recognized.

EMERGENCY AND FIRST AID PROCEDURES

If INHALED: If affected, remove from exposure. Restore breathing. Keep warm and quiet.
If ON SKIN: Wash affected area thoroughly with soap and water.
Remove contaminated clothing and launder before re-use.
If in EYES: Flush eyes with large amounts of water for 15 minutes. Get medical attention.
If SWALLOWED: Never give anything by mouth to an unconscious person. DO NOT INDUCE VOMITING. Give several glasses of water. Seek medical attention.

CHRONIC Health Hazards

No ingredient in this product is an IARC, NTP or OSHA listed carcinogen. Prolonged overexposure to solvent ingredients in Section II may cause adverse effects to the liver, urinary, blood-forming, cardiovascular, and reproductive systems.

Methyl Ethyl Ketone may increase the nervous system effects of other solvents. Rats exposed to titanium dioxide dust at 250 mg./m developed lung cancer, however, such exposure levels are not attainable in the workplace.

Reports have associated repeated and prolonged overexposure to solvents with permanent brain and nervous system damage.

Section VI — REACTIVITY DATA

STABILITY - Stable

INCOMPATIBILITY

None known.

HAZARDOUS DECOMPOSITION PRODUCTS

By fire: Carbon Dioxide, Carbon Monoxide

HAZARDOUS POLYMERIZATION - Will Not Occur

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Remove all sources of ignition. Ventilate and remove with inert absorbent.

WASTE DISPOSAL METHOD

Waste from this product may be hazardous as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Waste must be tested for ignitability to determine the applicable EPA hazardous waste numbers. Waste from products containing Methyl Ethyl Ketone may also require testing for extractability.

Do not incinerate. Depressurize container. Dispose of in accordance with Federal, State, and Local regulations regarding pollution.

Section VIII — PROTECTION INFORMATION

PRECAUTIONS TO BE TAKEN IN USE

Use only with adequate ventilation. Avoid breathing vapor and spray mist. Avoid contact with skin and eyes. Wash hands after using.

This coating may contain materials classified as nuisance particulates (listed 'as Dust' in Section II) which may be present at hazardous levels only during sanding or abrading of the dried film. If no specific dusts are listed in Section II, the applicable limits for nuisance dusts are ACGIH TLV 10 mg./m (total dust), OSHA PEL 15 mg./m (total dust), 5 mg./m (respirable fraction).

VENTILATION

Local exhaust preferable. General exhaust acceptable if the exposure to materials in Section II is maintained below applicable exposure limits. Refer to OSHA Standards 1910.94, 1910.107, 1910.108.

RESPIRATORY PROTECTION

If personal exposure cannot be controlled below applicable limits by ventilation, wear a properly fitted organic vapor/particulate respirator approved by NIOSH/MSHA for protection against materials in Section II.

When sanding or abrading the dried film, wear a dust/mist respirator approved by NIOSH/MSHA for protection against non-volatile materials in Section II.

PROTECTIVE GLOVES

Wear gloves which are recommended by glove supplier for protection against materials in Section II.

EYE PROTECTION

Wear safety spectacles with vaporperated side shields.

Section IX — PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Contents are EXTREMELY FLAMMABLE. Keep away from heat, sparks, and open flame. Vapors will accumulate readily and may ignite explosively.

During use and until all vapors are gone: Keep area ventilated - Do not smoke - Extinguish all flames, pilot lights, and heaters - Turn off stoves, electric tools and appliances, and any other sources of ignition.

Consult NFPA Code. Use approved Bonding and Grounding procedures.

Contents under pressure. Do not puncture, incinerate, or expose to temperature above 120 °F. Heat from sunlight, radiators, stoves, hot water, and other heat sources could cause containers to burst. Do not take internally. Keep out of the reach of children.

OTHER PRECAUTIONS

Intentional misuse by deliberately concentrating and inhaling the contents can be harmful or fatal.

Section X — OTHER REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65

WARNING: These products contain a chemical/s known to the State of California to cause cancer and birth defects or other reproductive harm.

TSCA CERTIFICATION

All chemicals in this product are listed, or are exempt from listing, on the TSCA inventory.

This Material Safety Data Sheet conforms to the Hazard Communication standard, 29 CFR 1910.1200(g)(4), for similar complex mixtures.

The above information pertains to this product as currently formulated, and is based on the information available at this time. Addition of reducers or other additives to this product may substantially alter the composition and hazards of the product. Since conditions of use are outside our control, we make no warranties, express or implied, and assume no liability in connection with any use of this information.