

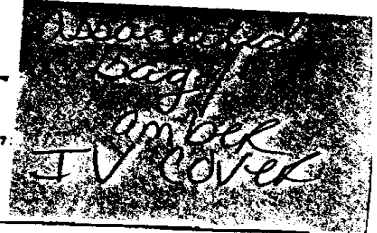
MSDS Covers all poly items



MATERIAL SAFETY DATA SHEET

EXXON CHEMICAL COMPANY POLYMERS GROUP, P. O. BOX 3272, HOUSTON, TEXAS 77263-3272
A DIVISION OF EXXON CORPORATION

POLYMERS GROUP -- a Quality business



ESCORENE GRADE: DL1015

PAGE: 1
DATE PREPARED: AUG 20, 1992
MSDS NO.: 89177044

SECTION 1 PRODUCT IDENTIFICATION & EMERGENCY INFORMATION

PRODUCT NAME: DL1015
CHEMICAL NAME: Polyethylene or Ethylene-Olefin Copolymer
CHEMICAL FAMILY: Ethylene-Based Polymer
PRODUCT DESCRIPTION: Odorless opaque white pellets or granules.

EMERGENCY TELEPHONE NUMBERS: EXXON CHEMICAL AMERICAS 713-870-6000
CHEMTREC 800-424-9300

SECTION 2 HAZARDOUS INGREDIENT INFORMATION

This product is not hazardous as defined in 29 CFR 1910.1200

SECTION 3 HEALTH INFORMATION & PROTECTION

NATURE OF HAZARD

EYE CONTACT: Particulates may scratch eye surfaces/cause mechanical irritation.
SKIN CONTACT: Negligible hazard at ambient temperatures (-18 to +38 degrees C; 0 to 100 degrees F). Exposure to hot material may cause thermal burns.
INHALATION: Negligible hazard at ambient temperature (-18 to 38 Deg C; 0 to 100 Deg F) Vapors and/or aerosols which may be formed at elevated temperatures may be irritating to eyes and respiratory tract. Low order of toxicity.
INGESTION: Minimal toxicity.

FIRST AID

EYE CONTACT: This product is an inert solid. If in eye, remove as one would any foreign object.
SKIN CONTACT: For hot product, immediately immerse in or flush the affected area with large amounts of cold water to dissipate heat. Cover with clean cotton sheeting or gauze and get prompt medical attention. No attempt should be made to remove material from skin or to remove contaminated clothing, as the damaged flesh can be easily torn.
INHALATION: First aid is normally not required.
INGESTION: First aid is normally not required.



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WORKPLACE EXPOSURE LIMITS

OSHA REGULATION 29CFR1910.1000 REQUIRES THE FOLLOWING PERMISSIBLE EXPOSURE LIMITS:

5 mg/m³ (respirable dust), and 15 mg/m³ (total dust) based on the OSHA PEL for nuisance dust.

THE ACGIH RECOMMENDS THE FOLLOWING THRESHOLD LIMIT VALUES:

a TWA of 10 mg/m³ (total dust) for nuisance dust.

PRECAUTIONS

PERSONAL PROTECTION:

For open systems at ambient temperature (-18 to 38 degrees C) where contact is likely, wear safety glasses with side shields. Where contact may occur with hot material, wear thermal resistant gloves, arm protection, and a face shield.

VENTILATION:

Local exhaust ventilation of process equipment may be needed to control particulate exposures to below the recommended exposure limit. See personal protection recommendations.

SECTION 4 FIRE & EXPLOSION HAZARD

FLASHPOINT: 649 Deg F. METHOD: ASTM E136 NOTE: Estimated Minimum
FLAMMABLE LIMITS: NOTE: Not applicable
AUTOIGNITION TEMPERATURE: 649 Deg F. NOTE: Estimated Minimum

GENERAL HAZARD:

Solid material, may burn at or above the flashpoint, and airborne dust may explode if ignited.
Toxic gases will form upon combustion.
Static Discharge, material can accumulate static charges which can cause an incendiary electrical discharge.

FIRE FIGHTING:

Use water spray to cool fire exposed surfaces, protect personnel, and extinguish the fire.
Respiratory and eye protection required for fire fighting personnel.

HAZARDOUS COMBUSTION PRODUCTS:

Oxygen-lean conditions may produce carbon monoxide and irritating smoke.

SECTION 5 SPILL CONTROL PROCEDURE

LAND SPILL:

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.



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WATER SPILL:

Recover spilled material and place in suitable containers for recycle or disposal. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

Plastic pellets are defined by the U. S. EPA as a "significant material" thereby requiring any industrial plant that may expose pellets to storm water to secure a storm water permit. Violations of the rule (i. e. failing to apply for a permit) carry the same penalties as other Clean Water Act violations. Pellets found in storm water runoff are subject to EPA regulation with the potential for substantial fines and penalties.

EXXON NOTES

NOTES:

National Fire Protection Association standards NFPA 654 and 6A indicate possible explosion hazard of dust particulate. Conform accordingly. Avoid accumulation of dust or dust clouds; operate handling and storage systems leak free, practice good housekeeping. Keep from sources of ignition. Do not store near heat, flame, or strong oxidizers. Assure proper electrical grounding of all handling equipment.

For more information see "Guide for Handling and Storage of ESCORENE Polyethylene Resins."

Product may also contain varying levels of additives, such as slip and antiblocking agents (talc or silica), antioxidants, stabilizers, and corrosion inhibitors.

SPECIAL PRECAUTIONS:

Should significant vapors/fumes be generated during thermal processing of this product, it is recommended that work stations be monitored for the presence of thermal degradation by-products which may evolve at elevated temperatures. It is recommended that the current ACGIH-TLVs for these materials be observed. Contact your Exxon representative for further information.

HAZARD RATING SYSTEMS:

This information is for people trained in:
National Paint & Coatings Association's (NPCA)
Hazardous Materials Identification System (HMIS)
National Fire Protection Association (NFPA 704)
Identification of the Fire Hazards of Materials

	NPCA-HMIS	NFPA 704	KEY
HEALTH	2	2	4 = Severe
FLAMMABILITY	1	1	3 = Serious
REACTIVITY	0	0	2 = Moderate
			1 = Slight
			0 = Minimal

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SECTION 7 REGULATORY INFORMATION

DEPARTMENT OF TRANSPORTATION (DOT):
DOT HAZARD CLASS: Not regulated
DOT IDENTIFICATION NUMBER: Not Available

FLASHPOINT: 649 Deg F. METHOD: ASTM E136 NOTE: Estimated Minimum

TSCA:
This product is listed on the TSCA Inventory.

CERCLA:
If this product is accidentally spilled, it is not subject to any special reporting under the requirements of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). We recommend you contact local authorities to determine if there may be other local reporting requirements.

SARA TITLE III:
Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the following hazard categories:
Not Hazardous.
This product does not contain Section 313 Reportable Ingredients.

SECTION 8 TYPICAL PHYSICAL & CHEMICAL PROPERTIES

SPECIFIC GRAVITY:
0.92 - 0.970

SOLUBILITY IN WATER, WT. % AT °F:
Insoluble

SP. GRAV. OF VAPOR, at 1 atm (Air=1):
Not applicable

EVAPORATION RATE, n-Bu Acetate=1:
Not applicable

VAPOR PRESSURE, mmHg at °F:
Not applicable

VISCOSITY OF LIQUID, CST AT °F:
Not applicable

FREEZING/MELTING POINT, °F:
225 to 229 Deg F

BOILING POINT, °F:
Not applicable

SECTION 9 REACTIVITY DATA

STABILITY:
Stable

CONDITIONS TO AVOID INSTABILITY:
Temperatures over 650 F (343 C) may cause resin degradation.

MATERIALS AND CONDITIONS TO AVOID INCOMPATIBILITY:
Fluorine
Strong Oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS:
Not applicable

HAZARDOUS POLYMERIZATION:
Will not occur



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SECTION 10 STORAGE AND HANDLING

ELECTROSTATIC ACCUMULATION HAZARD:

Yes, use proper grounding procedure

STORAGE TEMPERATURE, °F:

Ambient

STORAGE/TRANSPORT PRESSURE, mmHg:

Atmospheric

LOADING/UNLOADING TEMPERATURE, °F:

Ambient

VISC. AT LOADING/UNLOADING TEMP., cSt:

Solid

REVISION SUMMARY:

Since JULY 19, 1992 this MSDS has been revised in Section(s):

7

REFERENCE NUMBER:

HDHA-K-10103

DATE PREPARED:

August 20, 1992

SUPERSEDES ISSUE DATE:

July 19, 1992

FOR ADDITIONAL PRODUCT INFORMATION, CONTACT YOUR TECHNICAL SALES REPRESENTATIVE
FOR ADDITIONAL HEALTH/SAFETY INFORMATION, CALL 713-870-6884

THIS INFORMATION RELATES TO THE SPECIFIC MATERIAL DESIGNATED AND MAY NOT BE VALID FOR SUCH MATERIAL USED IN COMBINATION WITH ANY OTHER MATERIALS OR IN ANY PROCESS. SUCH INFORMATION IS TO THE BEST OF OUR KNOWLEDGE AND BELIEF, ACCURATE AND RELIABLE AS OF THE DATE COMPILED. HOWEVER, NO REPRESENTATION, WARRANTY OR GUARANTEE IS MADE AS TO ITS ACCURACY, RELIABILITY OR COMPLETENESS. IT IS THE USER'S RESPONSIBILITY TO SATISFY HIMSELF AS TO THE SUITABILITY AND COMPLETENESS OF SUCH INFORMATION FOR HIS OWN PARTICULAR USE. WE DO NOT ACCEPT LIABILITY FOR ANY LOSS OR DAMAGE THAT MAY OCCUR FROM THE USE OF THIS INFORMATION NOR DO WE OFFER WARRANTY AGAINST PATENT INFRINGEMENT.

Amber Color concentrate for 91 series

Plastics Color Chip

M A T E R I A L S A F E T Y D A T A S H E E T

FOR COATINGS, RESINS AND RELATED MATERIALS

DATE OF PREP
07/10/91

ESSENTIALLY SIMILAR TO FORM OSHA-20

REVISED DATE
07/10/91

NAME : Plastics Color Chip
ADDRESS: 2 Campus Drive

Somerset, NJ 08875

MANUFACTURER

EMERGENCY TELEPHONE NO.
DAY: 908-469-5600
NIGHT: 908-469-5600

SECTION I -- PRODUCT

NUMBER : V75348
NAME : AMBER P/E
CLASS : CONCENTRATE

F.G.

H M I S CODE
HEALTH : 1
FLAMMABILITY : 1
REACTIVITY : 0
PROTECTIVE EQUIP : B

SECTION II -- HAZARDOUS INGREDIENTS

THE TOXIC CHEMICALS LISTED BELOW ARE SUBJECT TO THE REPORTING REQUIREMENTS OF SECTION 313 OF THE EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT OF 1986 AND OF 40 CFR 372.

INGREDIENT	C.A.S. REGISTRY NO	% BY WT.
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SECTION III -- PHYSICAL DATA

BILING POINT : N/A	FREEZING POINT : N/A	DEG. F
AP. PRES. (820 DEG. C) : N/A	VAPOR DENSITY (AIR=1) : N/A	EST.
PICIFIC GRAVITY : N/A	SOLUBILITY IN WATER : NEGLIGIBLE	
VAPORATION RATE : N/A	% VOLATILE BY VOLUME : N/A	
RELATIVE TO N-BUTYL ACETATE)		

PEARANCE & ODOR : PELLETS/NONE

SECTION IV -- FIRE AND EXPLOSION HAZARD DATA

ASHPOINT : N/A DEG. F.
METHOD USED) N/A
LMMABLE LIMITS:
LEL : N/A
UEL : N/A
XTINGUISHING MEDIA
WATER FOG
FOAM
ALCOHOL FOAM
CARBON DIOXIDE (CO2)
DRY CHEMICAL
PECIAL FIRE FIGHTING PROCEDURES
USE WATER FOG TO COOL CONTAINERS

WEAR PROTECTIVE CLOTHING
FIGHT FIRE FROM A SAFE DISTANCE
USE SELF-CONTAINED BREATHING APPARATUS
DO NOT DIRECT A SOLID STREAM OF WATER OR FOAM ONTO BURNING
MOLTEN MATERIAL; THIS MAY CAUSE SPATTERING AND SPREAD FIRES.
UNUSUAL FIRE AND EXPLOSION HAZARDS
DUSTS MAY FORM EXPLOSIVE MIXTURE WITH AIR
DECOMPOSITION AND COMBUSTION PRODUCTS MAY BE TOXIC

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SECTION V -- TOXICOLOGICAL INFORMATION
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INGREDIENT	PEL	TLV (TWA)	LD50 (MG/KG)	LD50 (PPM)
MATERIAL DESCRIPTION	mg/m3	MG/M3 PPM	(RAT) ORAL	(RBT) DERMAL (RAT) INHAL
NONE	N/A	N/A	N/A	N/A

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SECTION VI -- HEALTH HAZARD DATA
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PRECAUTIONARY INFORMATION

AVOID CONTACT WITH SKIN AND EYES. DO NOT INGEST. AFTER
WORKING WITH THIS MATERIAL, WASH THOROUGHLY BEFORE EATING,
DRINKING OR SMOKING. TREAT AS A NUISANCE DUST, AVOID
BREATHING FUMES FROM MOLTEN MATERIAL.

PRIMARY ROUTES OF EXPOSURE

INHALATION-DUST MAY CAUSE UPPER RESPIRATORY TRACT IRRITATION
SKIN CONTACT-PROLONGED CONTACT MAY CAUSE SKIN IRRITATION
EYE CONTACT-EYE IRRITATION MAY RESULT FROM CONTACT WITH DUST
INGESTION-MAY IRRITATE THE DIGESTIVE SYSTEM

EMERGENCY AND FIRST AID PROCEDURES

INHALATION - REMOVE TO FRESH AIR
EYES - FLUSH EYES WITH WATER TO REMOVE DUST PARTICLES
IF IRRITATION PERSISTS, CONSULT A PHYSICIAN
SKIN - WASH WITH MILD SOAP AND WATER, REMOVE CONTAMINATED
CLOTHING
INGESTION - CONTACT PHYSICIAN OR POISON CONTROL CENTER IF
SWALLOWED

=====
SECTION VII -- REACTIVITY DATA
=====

STABILITY: STABLE

STABILITY CONDITIONS TO AVOID

OPEN FLAMES OR SPARKS

INCOMPATIBILITY: MATERIAL(S) TO AVOID

STRONG OXIDIZING AGENTS

HAZARDOUS DECOMPOSITION PRODUCTS (MAY INCLUDE)

CARBON MONOXIDE

CARBON DIOXIDE

NITROGEN OXIDES

METAL OXIDES

AND OTHER ORGANIC COMPOUNDS

HAZARDOUS POLYMERIZATION : WILL NOT OCCUR

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SECTION VIII -- SPILL OR LEAK PROCEDURES
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MATERIAL SPILLAGE

VACUUM OR SCOOP UP SPILLED MATERIAL AND DISCARD IN PROPER

WASTE CONTAINER

SPILLED PELLETS MAY CREATE SLIPPERY CONDITIONS

WASTE DISPOSAL
DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL
REGULATIONS

===== SECTION IX -- SPECIAL PROTECTION INFORMATION =====

RESPIRATORY PROTECTION

GENERALLY NOT REQUIRED UNLESS MATERIAL IS HEATED OR IF DUSTY
CONDITIONS EXIST, THEN A NIOSH APPROVED RESPIRATOR IS
RECOMMENDED

VENTILATION

GOOD GENERAL VENTILATION SHOULD BE PROVIDED TO KEEP DUST
CONCENTRATIONS BELOW OSHA EXPOSURE LIMITS.

PROTECTIVE GLOVES

WEAR IMPERVIOUS GLOVES

EYE PROTECTION

WEAR SAFETY GLASSES OR GOGGLES

OTHER PROTECTIVE EQUIPMENT

IMPERVIOUS CLOTHING MAY BE USEFUL BUT IS NOT GENERALLY
REQUIRED

===== SECTION X -- OTHER PRECAUTIONS =====

HANDLING AND STORAGE PRECAUTIONS

KEEP CONTAINER CLOSED WHEN NOT IN USE
FOR INDUSTRIAL USE ONLY

OTHER PRECAUTIONS

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ATIONS CONTAINED HEREIN ARE ACCURATE AND RELIABLE, HOWEVER,
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OUT WARRANTY, REPRESENTATION, INDUCEMENT OR LICENSE OF ANY
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OR MERCHANTABILITY AND FITNESS FOR A PARTICULAR USE OR PUR-
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